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HDR3700



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EN Hard Disk/DVD Recorder

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**VIDEO Plus+**<sup>®</sup>





VIDEO Plus+ and PlusCode are registered trademarks of Gemstar Development Corporation. The VIDEO Plus+ system is manufactured under license from Gemstar Development Corporation.

**PHILIPS**

# Introduction

## Precautions

**WARNING:** TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

 <div style="text-align: center;"> <p><b>CAUTION</b></p> <p><b>RISK OF ELECTRIC SHOCK</b></p> <p><b>DO NOT OPEN</b></p> </div> 	 <p>The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.</p>
<p><b>CAUTION:</b> TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>	 <p>The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.</p>

The important note is located on the rear of the cabinet.

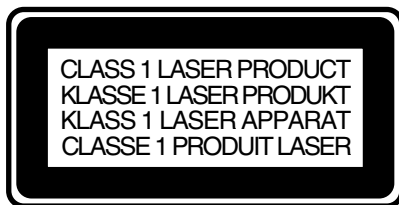
## Laser Safety

This unit employs a laser. Only a qualified service personnel should remove the cover or attempt to service this unit, due to the possibility of eye injury.

**CAUTION:** USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

**CAUTION:** VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED. DO NOT STARE INTO BEAM.

**LOCATION:** INSIDE, NEAR THE DECK MECHANISM.



## Power Supply

The power supply is connected and the unit is live when the mains cable is plugged into a 220 - 240 V~, 50 Hz AC outlet. To operate the unit, press [⏻ (STANDBY-ON)].

**WARNING:** LIVE PARTS INSIDE.  
DO NOT REMOVE ANY SCREWS.

## Caution

- Do not attempt to open the cabinet. There are no parts inside you can service. Refer all servicing to qualified service personnel.
- Slots and openings in the cabinet at the sides and underneath are provided for ventilation. To ensure reliable operation and to protect the unit from overheating, these openings must not be blocked or covered. Avoid installation in enclosed spaces such as bookcases unless suitable ventilation is provided.
- Keep the unit away from radiators and other heat sources.
- Avoid use near strong magnetic fields.
- Do not push objects of any kind into the unit through the cabinet slots or openings as they could touch electrically live parts or short circuit parts resulting in a fire or electric shock.
- To prevent fire or shock hazard, do not expose this apparatus to dripping or splashing, no objects filled with liquids, such as vases, should be placed on the apparatus.
- Do not stand the unit vertically. Use the unit in a horizontal (flat) position only.
- This product is in Stand-by mode when turned off while the mains cable is connected.
- Do not place any combustible objects on the device (candles, etc.).
- Before moving the unit, be sure to remove any discs and unplug the mains cable from the AC outlet.
- Disconnect the mains plug to shut off the unit, if you suspect a fault has developed, or if it will not be used for an extended period.
- The mains plug shall remain readily operable.
- Read both instruction manuals to ensure correct and safe installation and interconnection of the unit in multimedia systems.
- Keep a distance of 20 cm around the ventilation openings of the apparatus.



This product complies with the radio interference requirements of the European Community. This product complies with the requirements of the following directives and guidelines: 2006/95/EC, 2004/108/EC.

Philips Consumer Electronics  
Philips, Glaslaan 25616 JB Eindhoven,  
The Netherlands

## Recycle Notice

### A NOTE ABOUT RECYCLING

This product's packaging materials are recyclable and can be reused. Please dispose of any materials in accordance with your local recycling regulations.

This product consists of materials which can be recycled and reused if disassembled by a specialised company.



### Following information is only for EU-member states:

The use of the symbol indicates that this product may not be treated as household waste. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.



### Following information is only valid EU-member States:

#### Disposal of batteries and/or accumulators

The crossed out wheeled dust bin symbol indicates that batteries and/or accumulators must be collected and disposed of separately from household waste.

If the battery or accumulator contains more than the specified values of lead (Pb), mercury (Hg), and/or cadmium (Cd) defined in the Battery Directive (2006/66/EC), then the chemical symbols for lead (Pb), mercury (Hg) and/or cadmium (Cd) will appear below the crossed out wheeled dust bin symbol.

By participating in separate collection of batteries, you will help to assure the proper disposal of products and batteries and thus help to prevent potential negative consequences for the environment and human health. For more detailed information about the collection and recycling programmes available in your country, please contact your local city office or the shop where you purchased the product.



Pb, Hg, Cd

## Important Notes for Users in U.K.

### Mains plug

This apparatus is fitted with an approved 13 Amp plug. To change a fuse in this type of plug proceed as follows:

1. Remove fuse cover and fuse.
2. Fix new fuse which should be a BS1362 5 Amp, A.S.T.A. or BSI approved type.
3. Refit the fuse cover.

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place.

If the mains plug contains a fuse, this should have a value of 5 Amp. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5 Amp.

Note: The severed plug must be disposed off to avoid a possible shock hazard should it be inserted into a 13 Amp socket elsewhere.

### Mains plug

The wires in the mains lead are coloured with the following code: blue = neutral (N), brown = live (L).

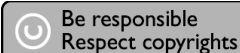
- As these colours may not correspond with the colour markings identifying the terminals in your plug, proceed as follows:
  - Connect the blue wire to the terminal marked N or coloured black.
  - Connect the brown wire to the terminal marked L or coloured red.
- Do not connect either wire to the earth terminal in the plug, marked E (or e) or coloured green (or green and yellow).

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead - not simply over the two wires.

### Copyright in the U.K.

Recording and playback of material may require consent. See Copyright Act 1956 and The Performer's Protection Acts 1958 to 1972.

## Copyright Notice



Be responsible  
Respect copyrights

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorised by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorised by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

## Installation Location

For safety and optimum performance of this unit:

- Install the unit in a horizontal and stable position.
- Keep the unit away from electronic equipment such as an amplifier, TV, etc. to prevent warping, damage, fire and malfunction.
- Do not place anything directly on top of the unit.
- Shield the unit from direct sunlight and keep away from sources of intense heat. Avoid dusty or humid locations. Avoid locations with insufficient ventilation for suitable heat dissipation. Do not block the ventilation holes on the sides of the unit. Avoid locations subject to strong vibration or strong magnetic fields.

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## Avoid the Hazards of Electrical Shock and Fire

- Do not handle the mains cable with wet hands.
- Do not pull on the mains cable to disconnect it from AC outlet. Grasp it by the plug.
- If, by accident, water is spilled on the unit, unplug the mains cable immediately and take the unit to an authorised service centre for servicing.

## Moisture Condensation Warning

Moisture condensation may occur inside the unit when it is moved from a cold place to a warm place, after heating a cold room, or under conditions of high humidity. Do not use the unit for at least 2 hours to allow the inside to dry.

## Notice for the Progressive Scan Outputs

Consumers should note that not all high definition television sets are fully compatible with this product and may cause artifacts to be displayed in the picture. In case of picture problems with 480 or 576 progressive scan output, it is recommended that the user switch the connection to the 'standard definition' output. If there are questions regarding your TV set compatibility with this 480p or 576p product, please contact our customer service centre.

### Italia

#### DICHIARAZIONE DI CONFORMITA'

Si dichiara che l'apparecchio HDR3700 Philips risponde alle prescrizioni dell'art. 2 comma 1 del D.M. 28 Agosto 1995 n. 548.

Fatto a Eindhoven

Philips Consumer Electronics  
Philips, Glaslaan 25616 JB Eindhoven,  
The Netherlands

### Norge

Typeskiltfinnes på apparatens underside.

**Observer: Nettbryteren er sekundert innkopleet. Den innebygde nettdelen er derfor ikke frakopleet nettet så lenge apparatet er tilsluttet nettkontakten.**

For å redusere faren for brann eller elektrisk støt, skal apparatet ikke utsettes for regn eller fuktighet.

### For Customer Use

Enter below the Serial No. which is located on the rear of the cabinet. Retain this information for future reference.

Model No. \_\_\_\_\_  
Serial No. \_\_\_\_\_



Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

"Dolby® Digital Stereo Creator enables consumers to create stereo DVD-Videos with stunning Dolby Digital sound tracks at home. The technology, when utilised instead of PCM recording, also saves recordable disc space, allowing for higher video resolution or extended recording time on each DVD. DVDs mastered using Dolby Digital Stereo Creator will play back on all DVD-Video players."

Note: This is true when the players are compatible with actual recordable DVD discs.



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DivX, DivX Ultra Certified, and associated logos are trademarks of DivX, Inc. and are used under license.



DVB is a registered trademark of the DVB project



## Maintenance

### CLEANING THE UNIT

Use a soft cloth slightly moistened with a mild detergent solution. Do not use solutions containing alcohol, spirits, ammonia or abrasives.

### CLEANING DISCS

If a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the centre out. Do not wipe in a circular motion.

Do not use solvents such as benzene, thinners, commercially available cleaners, detergent, abrasives, cleaning agents or antistatic spray intended for analogue records.

### DISC HANDLING

Handle the discs so that fingerprints and dust do not adhere to the disc surfaces.

Always store the disc in its protective case when it is not in use.

### HDD HANDLING

- HDD is a precision apparatus that is susceptible to vibration, strong impact or dirt. Depending on the installation environment or handling, the unit may become partially damaged or in the worst case, recording or replaying may not be available. Especially while the HDD is in motion, do not subject it to vibration or strong impact or pull out the power plug. And if a power failure occurs, the content of the recording / replaying programme may be lost.
- HDD rotates at high speed when in operation. Be sure that rotation has stopped and then move the unit without subjecting it to strong impact or vibration.

### SERVICING

If the unit becomes inoperative, do not try to correct the problem by yourself. There are no user serviceable parts inside. Turn the unit off, unplug the mains cable, and consult your dealer or an authorised service centre.

### CLEANING THE DISC LENS

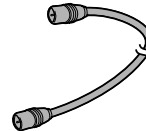
If the unit does not perform correctly even though you have referred to "Troubleshooting" and the relevant sections in the User Manual, the laser optical pickup unit may be dirty. Consult your dealer or an authorised service centre for inspection and cleaning of the laser optical pickup unit.

## Accessories Supplied

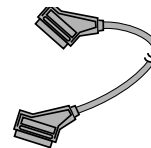
- Remote control with two R6 (AA) batteries



- RF cable



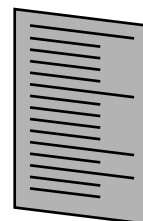
- Scart cable



- User Manual



- Quick Start Guide



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## Features

The following features are available with this unit.

### Analogue-Digital tuner:

This product is equipped with a hybrid analogue-digital tuner. It features analogue TV reception, digital terrestrial TV and Radio reception. To select between the analogue and digital TV modes, simply press **[SOURCE]** repeatedly.

### Video upscaling to 1080p: [▶ Page 18]

You can now watch the DVDs in the highest picture quality available for your HDTV.

This unit offers full high-definition video playback up to 1080p resolution for an amazing viewing experience. A highly detailed picture and increased sharpness delivers a more true-to-life picture.

### FlexTime: [▶ Page 56]

You can be truly flexible with your time now with FlexTime. FlexTime allows you to start watching a TV programme while it is still being recorded, you do not need to wait for the recording to finish before starting to watch it.

### Time Shift Buffer : [▶ Pages 29 - 30]

As soon as you turn on your unit, the TV channel it is tuned to will be stored into the Time Shift Buffer. Think of this as a temporary storage for TV programmes allowing you great flexibility. It can contain up to 6 hour of TV programmes and will automatically flush anything that is older. You can keep the contents in HDD for later viewing or copying to recordable DVD. The unit needs to be turned on for the Time Shift Buffer to be active. When the unit is turned off, the Time Shift Buffer is automatically cleared.

### EPG(Electronic Programme Guide,

#### On-screen TV guide): [▶ Pages 23 - 24]

The EPG lists all the digital TV programme information for the upcoming 7 days. You can also use it to schedule recordings.

### VIDEO Plus+: [▶ Page 35]

This is a simple programming system for recorders. To use it, enter the programming numbers associated with your television programme. You can find this number in your favourite listings magazine.

### EasyLink: [▶ Pages 81 - 82]

EasyLink uses the HDMI CEC (Consumer Electronics Control) industry standard protocol to share functionality with all HDMI CEC compliant devices over HDMI. It enables the connected devices to control each other with a single remote control.

### Satellite recording: [▶ Pages 37 - 38]

This function enables you to record a programme from your Satellite Receiver or any other device. Make sure that the device is connected to the AV2 (AUX) socket of this unit, and the timer setting has been done on the connected device.

### i.LINK: [▶ Pages 40 - 41]

i.LINK, also known as "Fire Wire" or "IEEE 1394", is a digital connection for connecting your camcorder to enable you to make high quality copies of your camcorder videos.













The connector can be found behind the front flap door.

## Guide to the User Manual

### Symbols Used in the User Manual

To show what recording mode or disc type applies to each function, the following symbols appear at the beginning of each operating item.

- \* DVD-RW/-R recorded in VR mode or non compatible recording format are not playable.
- \* DVD-RW recorded in the mode other than +VR is not recordable on this unit unless you erase all contents in the disc. (See page 71.)
- \* DVD-R recorded in the mode other than +VR is not recordable on this unit.

Symbol	Description
	Available to (internal) HDD
	Available to DVD-Videos
	Available to DVD+RW discs
	Available to DVD+R discs
	Available to DVD-RW discs
	Available to DVD-R discs
	Available to Audio CDs
	Available to Video CDs
	Available to DVD+RW/+R, DVD-RW/-R and CD-RW/-R discs with MP3 files
	Available to DVD+RW/+R, DVD-RW/-R and CD-RW/-R discs with Windows Media™ Audio files
	Available to DVD+RW/+R, DVD-RW/-R and CD-RW/-R discs with JPEG files
	Available to DVD+RW/+R, DVD-RW/-R and CD-RW/-R discs with DivX® files

### Symbols for Tuner Setting

The following is the description for the symbols for tuner setting used in this manual.

- ANALOG** : Settings only for the Analogue mode
- DIGITAL** : Settings only for the digital mode

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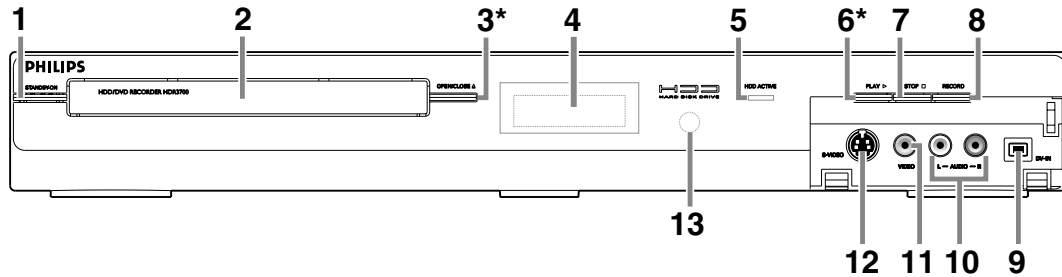
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## Functional Overview

### Front Panel



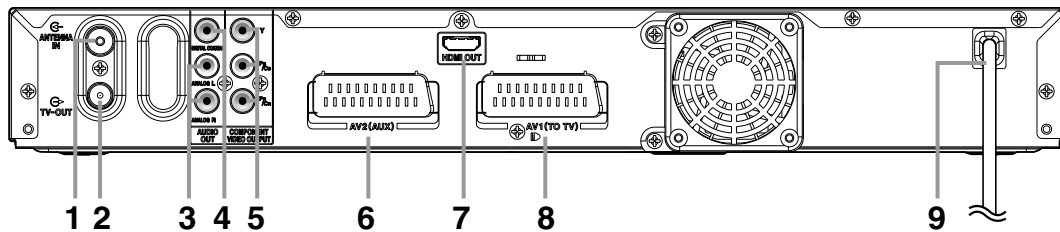
(\*) You can also turn on the unit by pressing these buttons.

- |   |  |
|---|--|
| <p><b>1 STANDBY-ON button</b></p> <ul style="list-style-type: none"> <li>• Press to turn the unit on and off.</li> </ul> <p><b>2 Disc tray</b></p> <ul style="list-style-type: none"> <li>• Place a disc when the disc tray is opened.</li> </ul> <p><b>3 OPEN/CLOSE ▲ button*</b></p> <ul style="list-style-type: none"> <li>• Press to open or close the disc tray.</li> </ul> <p><b>4 Display</b></p> <ul style="list-style-type: none"> <li>• Refer to “Front Panel Display Guide” on page 16.</li> </ul> <p><b>5 HDD ACTIVE indicator</b></p> <ul style="list-style-type: none"> <li>• Appears when HDD is in recording, dubbing, or playback.</li> </ul> <p><b>6 PLAY ► button*</b></p> <ul style="list-style-type: none"> <li>• Press to start or resume playback.</li> </ul> <p><b>7 STOP ■ button</b></p> <ul style="list-style-type: none"> <li>• Press to stop playback or recording.</li> <li>• Press to stop timer recording.</li> </ul> | <p><b>8 RECORD button</b></p> <ul style="list-style-type: none"> <li>• Press once to start a recording. Press repeatedly to start one-touch timer recording.</li> </ul> <p><b>9 DV IN jack (AV4)</b></p> <ul style="list-style-type: none"> <li>• Use to connect the Digital Video output of external device with a DV cable.</li> </ul> <p><b>10 AUDIO input jacks (AV3)</b></p> <ul style="list-style-type: none"> <li>• Use to connect external device with an RCA audio cable.</li> </ul> <p><b>11 VIDEO input jack (AV3)</b></p> <ul style="list-style-type: none"> <li>• Use to connect external device with an RCA video cable.</li> </ul> <p><b>12 S-VIDEO input jack (AV3)</b></p> <ul style="list-style-type: none"> <li>• Use to connect the S-video output of external device with an S-video cable.</li> </ul> <p><b>13 Infrared sensor window</b></p> <ul style="list-style-type: none"> <li>• Receive signals from your remote control so that you can control the unit from a distance.</li> </ul> |
|---|--|

#### Button names described in the User Manual

The instructions in this manual are described mainly with the operations using the remote control. Some operations can be carried out using the buttons on the front panel.

## Rear Panel



- 1 ANTENNA IN**
  - Connect to an antenna or a cable.
- 2 TV-OUT**
  - Connect to the Aerial jack on your TV, cable box or direct broadcast system to output the signal received. Use the supplied RF cable.
- 3 AUDIO OUT (ANALOG L/R) jacks**
  - Connect to the audio input jacks on your TV. Use a commercially available Audio cable.
- 4 AUDIO OUT (DIGITAL COAXIAL) jack**
  - Connect to an amplifier with a digital input jack such as a Dolby Digital decoder or MPEG decoder. Use a commercially available Coaxial cable.
- 5 COMPONENT VIDEO OUTPUT jacks**
  - Connect to the component video input jacks on your TV. Use a commercially available Component Video cable.
- 6 AV2 (AUX) socket**
  - Connect to VCR, camcorder, or other Audio-Video equipment (Cable Box, Satellite Receiver, etc). Use a commercially available Scart cable.
- 7 HDMI OUT jack**
  - Connect to a display with an HDMI compatible port. Use a commercially available HDMI cable.
- 8 AV1 (TO TV) socket**
  - Connect to the Scart socket on your TV. Use the supplied Scart cable.
- 9 Mains cable**
  - Connect to a standard AC outlet.

### Note

- Do not touch the inner pins of the jacks on the rear panel. Electrostatic discharge may cause permanent damage to the unit.
- **After turning off the unit, leave the mains cable plugged for about one minute. Otherwise it may cause the data loss or the unit may not work properly.**
- **This unit does not have an RF modulator.**

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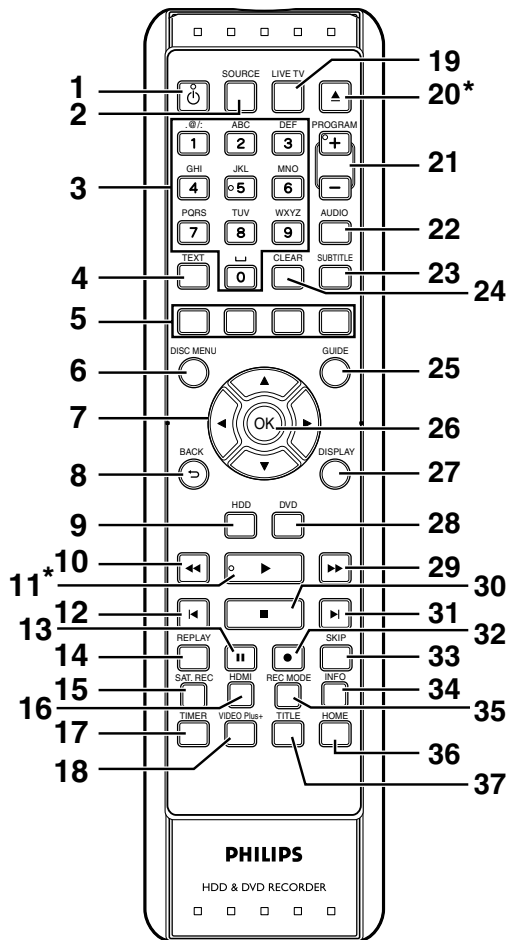
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## Remote Control



(★) The unit can also be turned on by pressing these buttons.

- 1  $\phi$  (STANDBY-ON) button**
  - Press to turn on or off the unit.
- 2 SOURCE button**
  - Press to select the digital, analogue mode or appropriate input (AV1, AV2, AV3, DV (AV4)).
- 3 Alphanumeric keypad**
  - Press to select channel numbers.
  - Press to select a title / chapter / track on the display.
  - Press to enter values for settings in "HOME" menu.
  - Press to enter the characters in edit function.
  - Press to enter the VIDEO Plus+ number when you programme the timer recording with the VIDEO Plus+ system.
- 4 TEXT button**
  - Press to switch Teletext on or off. (for digital broadcast services)
- 5 RED/GREEN/YELLOW/BLUE button**
  - Press to follow the digital TV instruction displayed on-screen (EPG, Edit Channels (DIGITAL), etc).
- 6 DISC MENU button**
  - Press to display the Disc menu during playback.

- 7 Direction  $\blacktriangle$  /  $\blacktriangledown$  /  $\blacktriangleleft$  /  $\blacktriangleright$  buttons**
  - Press to move the cursor and determine items or settings.
- 8 BACK  $\curvearrowright$  button**
  - Press to return to the previously displayed menu screen.
- 9 HDD button**
  - Press to select the HDD output mode.
- 10  $\blacktriangleleft$  (REW) button**
  - During playback, press to start fast reverse.
  - When playback is paused, press to start reverse in slow motion.
- 11  $\blacktriangleright$  (PLAY) button\***
  - Press to start or resume playback.
- 12  $\blacktriangleleft$  (PREV) button**
  - During playback, press twice in quick successions to skip to the previous chapter or track.
  - When playback is paused, press to play reverse step by step.
- 13  $\parallel$  (PAUSE) button**
  - Press to pause playback or recording.
- 14 REPLAY button**
  - Press to replay by the amount of time set in advance.
- 15 SAT.REC button (HDD)**
  - Press to activate the Satellite Timer Recording.
- 16 HDMI button**
  - Press to set the HDMI connector's video signal output mode.
- 17 TIMER button**
  - Press to display the timer programme setting menu.
- 18 VIDEO plus+ button**
  - Press to program a timer recording with the VIDEO Plus+ system.
- 19 LIVE TV button**
  - While playing back the Time Shift Buffer, press to switch to Live TV mode to view current broadcast programme.
- 20  $\blacktriangle$  (OPEN/CLOSE) button (DVD)\***
  - Press to open or close the disc tray.
- 21 PROGRAM + / - buttons**
  - Press to change the channel up or down.
- 22 AUDIO button**
  - For analogue channels when receiving a bilingual broadcast, press to change the audio out setting to "Main", "Sub" or "Main/Sub".
  - Press to change the bilingual audio source of an external equipment to "Main", "Sub" or "Main / Sub". (Available only when the "External Input Audio" in "HOME" menu is set to "Bilingual" in advance.)
  - Press to select the sound mode for digital channels.
  - Press to display the audio menu during playback.
- 23 SUBTITLE button**
  - During playing back DVD or watching a digital channel which has subtitle information, press to call up the Subtitle menu.

**24 CLEAR button**

- Press to clear the password once entered.
- Press to erase tracks on "Programme Play".
- Press to clear the selecting marker number in the marker setup mode.
- Press to clear the programme once entered in the CD programme playback mode.
- Press to clear all the selected titles after selecting the titles on "Delete Multiple Titles" in HDD mode.

**25 GUIDE button**

- Press to enter/exit the Electronic Programme Guide (On-screen TV guide) in digital mode.

**26 OK button**

- Press to acknowledge or approve a menu selection.
- While watching a digital channel, press to display the "Quick select" menu.

**27 DISPLAY button**

- Press to display the On-Screen Display.

**28 DVD button**

- Press to select the DVD output mode.

**29 ►► (FFW) button**

- During playback, press to start fast forward.
- When playback is paused, press to start forward in slow motion.

**30 ■ (STOP) button**

- Press to stop playing back or recording.

**31 ► (NEXT) button**

- During playback, press to skip to the next chapter or track.
- When playback is paused, press to advance step by step.

**32 ● (RECORD) button**

- Press once to start a recording.
- Press repeatedly to start a One-touch Timer Recording.

**33 SKIP button**

- Skips by the amount of time set in advance.

**34 INFO button**

- Press to display the digital TV programme information.

**35 REC MODE button**

- Press to switch the recording mode.

**36 HOME button**

- Press to display "HOME" menu in stop mode.

**37 TITLE button**

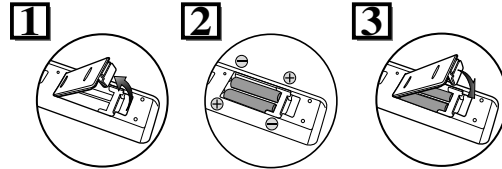
- Press to display the Title list.

**Button names described in the User Manual**

The instructions in this manual are described mainly with the operations using the remote control. Some operations can be carried out using the buttons on the front panel.

## Installing Batteries in the Remote Control

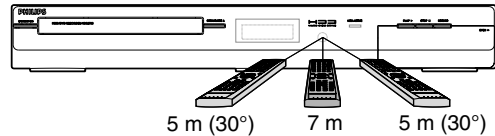
Install two R6 (AA) batteries (supplied) into the remote control, carefully match with the polarity indicated inside the battery compartment.

**Caution**

- Incorrect use of batteries can result in hazards such as leakage and bursting.
- Do not mix new and old batteries together.
- Do not use different kinds of batteries together.
- Make sure that the plus (+) and minus (-) ends of each battery match the indications inside the battery compartment.
- Remove batteries if the equipment will not be used for a month or more.
- When disposing used batteries, please comply with governmental regulations or the public instructions for environmental protection that apply in your country or area.
- Do not recharge, short-circuit, heat, burn or disassemble batteries.

## About the Remote Control

- Make sure there is no obstacle between the remote control and the remote control sensor on the unit.
- Use within the operating range and angle as shown.



Remote control

- The maximum operable range as follows:

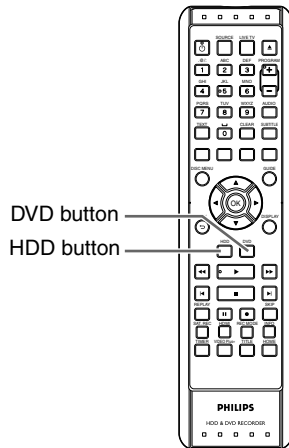
**Line of sight:** approximately 7 m

**Either side of centre:** approximately 5 m within 30 degrees

- Remote control operation may become unreliable if the remote control sensor of the unit is being exposed by the strong sunlight or fluorescent light.
- Remote controls for different devices can interfere with each other. Be careful when using remote controls for other equipment located close to the unit.
- Replace the batteries when the operating range of the remote control reduces.

## Switching HDD / DVD mode

Because this unit is a combination of an HDD and a DVD recorder, you must select which component you want to operate first. Unit will wake up from standby in last defined mode. Refer to HDD ACTIVE indicator or on-screen indication to know which mode the unit is in.



### HDD

Press **[HDD]** on the remote control.

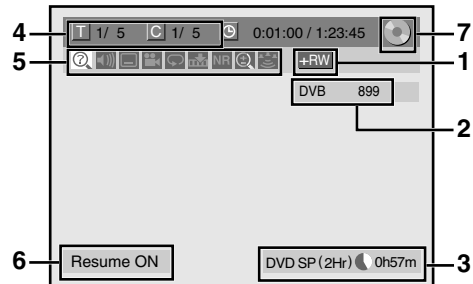
### DVD

Press **[DVD]** on the remote control.

## Guide to On-Screen Displays

### DISPLAY Menu

With a disc inserted into the unit, press **[DISPLAY]** to display the On-Screen Display. The menu shows information about what is recorded on the disc.



This is an example screen for explanation. Displayed items vary depending on the actual mode.

- 1 Indicates a disc type. (DVD mode only)**
- 2 Indicates a channel number, station name (analogue channel only) or selected external input mode.**
- 3 Indicates a media, recording mode and possible recording time left.**
- 4 Indicates the current title number/total number of titles, the current chapter number/total number of chapters, and time lapse of the current title playback/total duration of the title.**
- 5 Each icon means:**
  - : Search
  - : Audio
  - : Subtitle
  - : Angle
  - : Repeat
  - : Marker
  - : Noise Reduction
  - : Zoom
  - : Surround
- 6 Indicates an operation status.**
- 7 Indicates the component in use.**
  - : HDD
  - : DVD

### Note

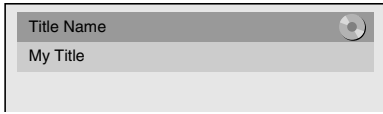
- For some descriptions on this manual, only one disc type is indicated as an example.



Press **[DISPLAY]** while the On-Screen Display is displayed to display the following information.

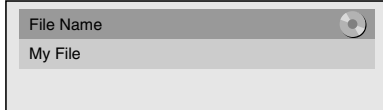
**<Title / File Name Information>**

Title name information



(only when DVD or HDD is in playback)

File name information

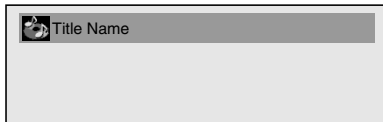


(only when DVD or CD with MP3/Windows Media™ Audio/JPEG/DivX®/Kodak Picture CD files is in playback)

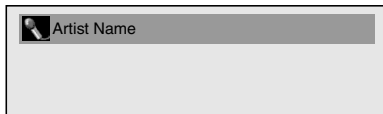
**<MP3 / Windows Media™ Audio Tag Information>**

(only when DVD or CD with MP3 / Windows Media™ Audio files is in playback)

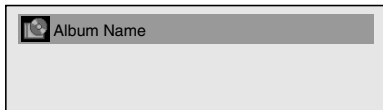
Title name information



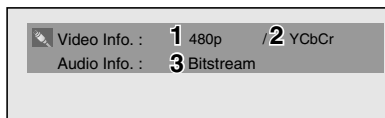
Artist name information



Album name information



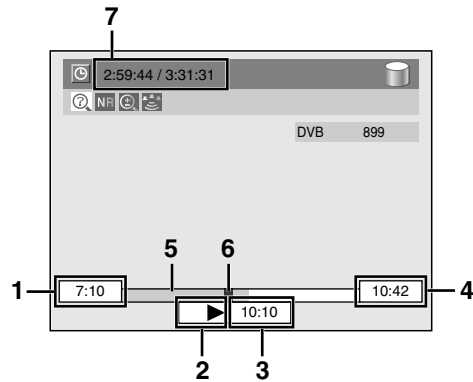
**<HDMI Information>**



(only for the images output through the HDMI output)

- 1 Indicates the resolution of the HDMI output image.**
- 2 Indicates the HDMI video format.**
- 3 Indicates the HDMI audio format.**
- “- -” will be displayed, when it does not have any information.

**<Time Shift Buffer Information>**

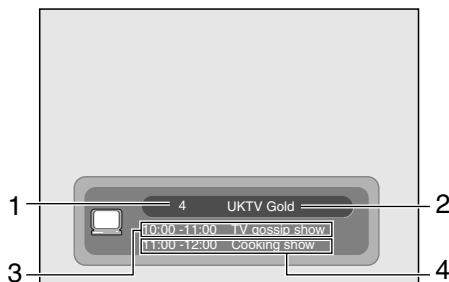


- 1 Start time of the Time Shift Buffer**
- 2 Status of the Time Shift Buffer**  
Live: Indicates when watching Live TV  
▶ : Indicates playback from Time Shift Buffer
- 3 Time of current Time Shift Buffer playback**
- 4 Current time of the Live TV programme broadcast**
- 5 The progress of the Time Shift Buffer**
- 6 Current point of the playback of Time Shift Buffer**
- 7 Elapsed time of the playback of the Time Shift Buffer / total time of the Time Shift Buffer**

**INFO Menu**

**DIGITAL**

Press **[INFO]** while viewing a digital TV programme to display the programme information.



- 1 Channel number**
- 2 Channel name**
- 3 Current programme information**
- 4 Next programme information**

The window will automatically close after 3 seconds, or press **[INFO]** to exit.

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## Home

Press **[HOME]** to display the main menu. Then use **[▲ / ▼]** to select a menu and press **[OK]** to display the sub menu. These menus provide entries to all main functions of the unit.

HOME		PHILIPS	
1	Title List		Press HOME to exit
2	Timer Programming		
3	Disc Editing		
4	HDD Settings		
5	Dubbing		
6	Disc Playback Mode		
7	General Settings		

### 1 Title List:

To call up the title list.

### 2 Timer Programming:

To program a timer recording.

### 3 Disc Editing:

To edit discs.

### 4 HDD Settings:

To set up the HDD setting.

### 5 Dubbing:

To dub the content of the HDD to DVD or vice versa.

- "Dubbing" is available only when a recordable disc is loaded.

### 6 Disc Playback Mode:

To set up the disc playback setting.

- "Disc Playback Mode" is available only when an audio CD, a video CD, a DVD or a CD with MP3 / Windows Media™ Audio / JPEG / DivX® / Kodak Picture CD files is inserted into the unit.

### 7 General Settings:

To go to "General Settings" menu.

## General Settings

General Settings		PHILIPS	
General Settings			
1	Disc Playback	Parental Lock	
2	Display	Disc Audio	
3	Video	Disc Menu Language	
4	Recording	Audio Language	
5	Clock	Subtitle Language	
6	Channel	Angle Icon	
7	DivX	Still Mode	

General Settings		PHILIPS	
General Settings			
8	HDMI	Format	
9	Digital TV Settings	HDMI Audio	
10	Reset All	Black Level	
		EasyLink	

### 1 Disc Playback:

To set up the unit to play discs as you prefer.

### 2 Display:

To set up the OSD screen as you prefer.

### 3 Video:

To set up the video setting.

### 4 Recording:

To set up the unit to record to HDD/DVD as you prefer.

### 5 Clock:

To set up the clock of the unit as you need.

### 6 Channel:

To adjust the channel installation of the unit as you prefer.

### 7 DivX:

To set up the DivX® playback setting.

### 8 HDMI:

To set up the HDMI connection setting.  
You cannot select if the HDMI cable is not connected.

### 9 Digital TV Settings:

To set up the digital TV setting.

### 10 Reset All:

To reset all the settings to the factory default.

## Digital TV Settings

General Settings		PHILIPS	
Digital TV Settings			
1	Adult Lock	ON	
2	Language	OFF	
3	Tuner Version Info		

### 1 Adult Lock:

To set the Pincode for "Adult Lock".

### 2 Language:

To set up the language for audio, subtitle and Teletext.

### 3 Tuner Version Info:

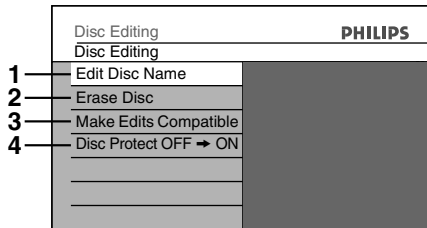
To display the information of the software of digital TV module.

See page 88.

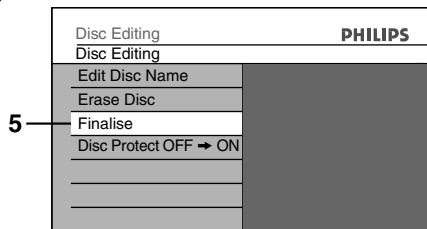
## Disc Editing / Disc Playback Mode / HDD Settings / Dubbing

### <Disc Editing menu>

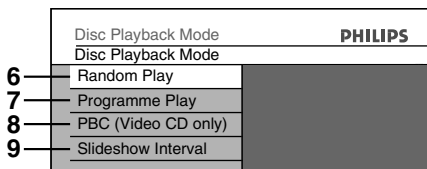
e.g.) DVD+RW



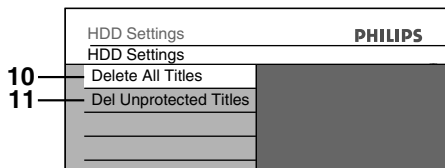
e.g.) DVD-RW



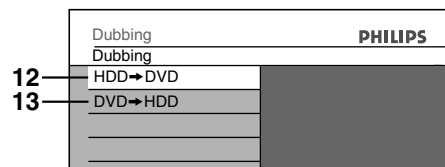
### <Disc Playback Mode menu>



### <HDD Settings menu>



### <Dubbing menu>



- 1 Edit Disc Name:**  
Allows you to edit disc name.
- 2 Erase Disc (DVD+RW/DVD-RW only):**  
Allows you to erase all the contents in the disc and format it.
- 3 Make Edits Compatible (DVD+RW only):**  
If you had edited the disc, (e.g. deleted or hidden chapters), this setting allows edits on disc to be seen on playback on other units.
- 4 Disc Protect OFF → ON:**  
Allows you to protect a disc from accidental editing or recording.
- 5 Finalise (DVD+R/DVD-RW/-R only):**  
Allows recordings to be played back in other units. Do note that no edits/delete is possible after finalisation.

- 6 Random Play:**  
Allows you to activate the random playback feature.
- 7 Programme Play (Audio CD/Video CD only):**  
Allows you to activate the programme playback feature.
- 8 PBC (Video CD only):**  
Allows you to select images or information on the menu screen by activating PBC (playback control) function.
- 9 Slideshow Interval (JPEG/Kodak Picture CD files only):**  
Allows you to select the display time of the slide show mode.
- 10 Delete All Titles:**  
Allows you to delete all titles, including the protected titles in the HDD title list.
- 11 Del Unprotected Titles:**  
Allows you to delete all unprotected titles in the HDD title list.
- 12 HDD → DVD:**  
Allows you to dub from HDD to DVD.
- 13 DVD → HDD:**  
Allows you to dub from DVD to HDD.

#### Note

- Items in the “Dubbing” menu may be greyed out depending upon what media is loaded into the unit, and copy protection that may be present.

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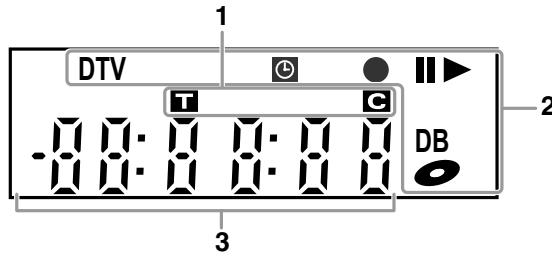
Playback

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## Front Panel Display Guide



### 1 Title / Track and Chapter number

- T** : Title / track number
- G** : Chapter number

### 2 Current status of the unit

- ||** : Appears when disc playback is paused. Appears during step by step playback.
- ▶** : Appears when playing back an HDD or disc.
- ||▶** : Appears during slow forward / reverse playback.
- ⏰** : Appears when
  - Timer Programming
  - One-touch Timer Recording (OTR) is set and is operating
  - Satellite Recording standby mode
 Flashes when timer programming was not executed because of some error.
- : Appears when recording or dubbing. Flashes when recording being paused.

: Appears when a disc is in this unit.

**DB** : Appears during dubbing.

**DTV** : Appears when the channel is in digital mode.

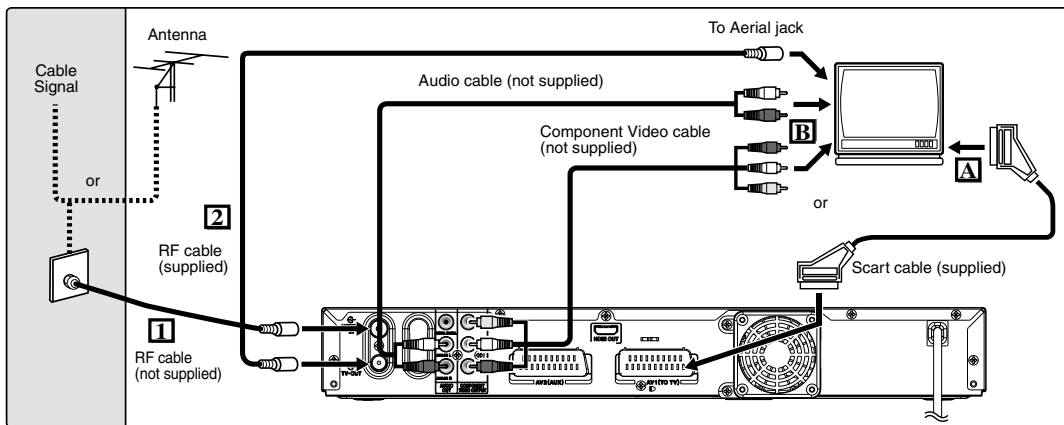
### 3 Displays the following

- Playback time
- Current title / chapter / track number
- Recording time / remaining time
- Clock
- Channel number
- One-touch Timer Recording (OTR) remaining time
- Selected HDMI output mode

## Display Messages

	The disc tray is opening.		Appears when HDMI output mode (480p) is selected.
	The PBC function of the Video CD is activated.		Appears when HDMI output mode (576p) is selected.
	The disc tray is closing.		Appears when HDMI output mode (720p) is selected.
	A disc is loading.		Appears when HDMI output mode (1080i) is selected.
	Data is being recorded on a disc.		Appears when HDMI output mode (1080p) is selected.
	Appears when the unit is in standby for Satellite recording.		

# Connections



## Connections

### Connecting to a TV

Connect the unit to a TV after considering the capabilities of your existing equipment.

**Before installation, unplug your TV and this unit.**

- 1 Connect the antenna or cable to the **ANTENNA IN** jack of this unit.
- 2 Connect the **TV-OUT** jack of this unit to the **Aerial** jack of your TV. Use the supplied RF cable.

For video/audio connections, you can use **SCART** cable, component cables or **HDMI** cable (for **HDMI-compatible TV**).

#### A. Using the Scart socket

**Connect AV1 (TO TV) Scart socket of this unit to the Scart socket of your TV. Use the supplied Scart cable.**

#### Note

- Switch the input selector on your TV to an appropriate external input channel.
- Connect this unit directly to the TV. If the AV cables are connected to a VCR, pictures may be distorted due to the copy protection system.
- When changing the "Active Video Output" setting to "SCART(RGB)", "Component (Interlace)" or "Component (Progressive)", connect to the corresponding jack on the TV. If the setting is changed, for example, to "Component (Interlace)" or "Component (Progressive)" while the scart cable is connected to the TV, a distorted video may be output at Scart output for a short while.
- If the external equipment (e.g. cable box, Canal+ decoder) is connected to AV2, the picture of the external equipment will be output except during the DVD playback of this unit. Turn off the external equipment or press **[DISPLAY]** to output the picture of this unit.

#### B. Using the COMPONENT VIDEO OUTPUT jacks and the AUDIO OUT (ANALOG L/R) jacks (for DVD or Tuner)

If your TV has Component Video input jacks, use a Component Video cable and an Audio cable (to connect the **AUDIO OUT (ANALOG L/R)** jacks).

- The progressive scan video quality is only available when using Component connection and a progressive scan TV. It provides superior picture quality when watching DVD movies.

- 1 Connect the component video cables (red/ blue/green - not supplied) from the **COMPONENT VIDEO OUTPUT** jacks of this unit to the corresponding component video input jacks (usually labelled as **Y Pb/ Cb Pr/Cr** or **YUV**) on the TV.
- 2 Connect the audio cable (red/white - not supplied) from the **AUDIO OUT (ANALOG L/R)** jacks of this unit to the audio input jacks on your TV.

#### Note

- Switch the input selector on your TV to an appropriate external input channel.
- After you have made the connections, set the "Active Video Output" setting. (See pages 79 - 80.)
- The default setting is "SCART(RGB)".

**To enable component video connection, you must set the unit's video output correctly.**

- 1 Make an addition video connection from this unit to your TV using the supplied Scart cable.
  - 2 Turn on your TV to the correct viewing channel for the Scart connection.
  - 3 When you have completed the "Initial Setup", set "Active Video Output" to "Component(Progressive)" in "HOME" menu.
- If your TV is not compatible with progressive scan, set "Active Video Output" setting to "Component (Interlace)".
  - Use a commercially available adaptor if the Video input jacks of your TVs or monitors are the BNC type.
  - Only component and HDMI connections are compatible with the Progressive Scan.

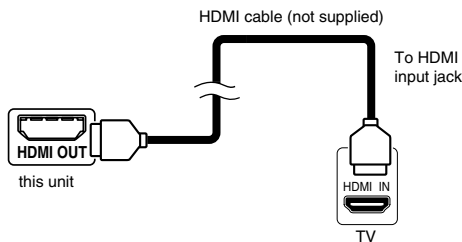
## C. Connecting to a TV with an HDMI Compatible Port (for DVD or Tuner)

### [HDMI CONNECTION]

A simple 1-cable connection with a device having an HDMI (high-definition multimedia interface) connector allows digital transfer of both digital video signals and multi-channel audio signals. This is the best method to connect this unit. It can minimise the deterioration of image quality.

Use the HDMI cable (commercially available) for connection.

Connect the HDMI output jack of this unit to the HDMI input jack of TV.



### Selecting HDMI mode

Press **[HDMI]** to select the HDMI output mode. The output mode changes as follows every time **[HDMI]** is pressed. 576p (PAL) / 480p (NTSC) → 720p → 1080i → 1080p (An HDMI mode that is not supported by the display device will be skipped.)

### Actual Output Modes by Media

Audio recording format of the disc		Dolby Digital / MPEG setting of this unit	Actual output
DVD-video	Dolby Digital	PCM	2channel PCM
		Stream	Dolby Digital
	LPCM	PCM	2channel PCM
		Stream	MPEG
	MPEG	PCM	2channel PCM
		Stream	MPEG
DivX®	Dolby Digital	PCM	2channel PCM
		Stream	Dolby Digital
	MP3	PCM	2channel PCM
		Stream	MPEG
	MP2	PCM	2channel PCM
		Stream	MPEG

For Audio CD, Video CD and MP3 files, 2 channel PCM will be output regardless of the "Dolby Digital" setting.

If the connected device is not compatible with HDMI BITSTREAM, audio will be output as PCM even if you select "Stream" in "Dolby Digital" setting. (See page 76.)

### Copyright protection system

To play back the digital video images of a DVD via an HDMI connection, it is necessary that both the player and the display device (or an AV amplifier) support a copyright protection system called HDCP (high-bandwidth digital content protection system). HDCP is copy protection technology that comprises data encryption and authentication of the connected AV device. This unit supports HDCP. Please read the operating instructions of your display device (or AV amplifier) for more information.

\* HDMI: High Definition Multimedia Interface

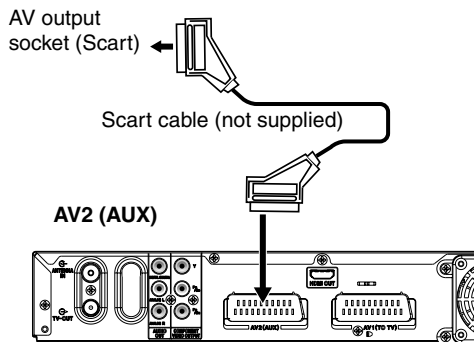
### Note

- Switch the input selector on your TV to an appropriate external input channel.
- Some HDMI TVs/monitors from different manufacturers may adhere to different standards resulting in unreliable signal transfers.
- When using an HDCP-incompatible display device, the image will not be viewed properly.
- Among the devices that support HDMI, some devices can control other devices via the HDMI.
- The audio signals from the HDMI connector (including the sampling frequency, the number of channels and bit length) may be limited by the device that is connected.
- Among the monitors that support HDMI, some do not support audio output (for example, projectors). In connection with device such as this unit, audio signals are not output from the HDMI output connector.
- When this unit's HDMI connector is connected to a DVI-D compatible monitor (HDCP compatible) with an HDMI-DVI conversion cable, the signals are output in digital RGB.

## Connecting to an External Equipment

This unit has four input terminals which can be selected using [PROGRAM + / -] on the remote control, AV1 or AV2 on the rear panel and AV3 or AV4 on the front panel. Be sure that all the units are switched off before making connections.

### Recording from a DVD player, VCR, Satellite Box or other Audio-Video equipment with a Scart output socket (AV2)



#### Note

- Switch the input selector on your TV to an appropriate external input channel.
- When you record a TV programme from a Cable Box/Satellite Receiver, you must connect a Scart cable to AV2 (AUX). (See pages 37 - 38.)
- When AV2 is connected to an active source (e.g. cable box, Canal+ decoder), the source will be automatically seen on TV connected at AV1. If you want to monitor the signal from other input, you must press [DISPLAY] first. Then, select the desired input to monitor with [SOURCE] or [PROGRAM + / -].
- Switch the input selector on your TV to an appropriate external input channel.

### Recording from a camcorder or other Audio-Video equipment with no Scart output socket (AV3 / AV4)

Connect to AUDIO input jacks on the front panel using an RCA audio cable.

- 1 If no S-VIDEO input jack is available, connect to VIDEO input jack on the front panel using an RCA Video cable.
- 2 Change the setup when using S-VIDEO input jack. (Refer to "Active Video Input" on this page.)
- 3 When connecting a DV-camcorder, use DV input jack of AV4 (Front) instead of S-VIDEO IN or VIDEO IN jack.

For AV3 jacks, you have to select S-VIDEO input or VIDEO input jacks depending on the connected devices.

### Active Video Input

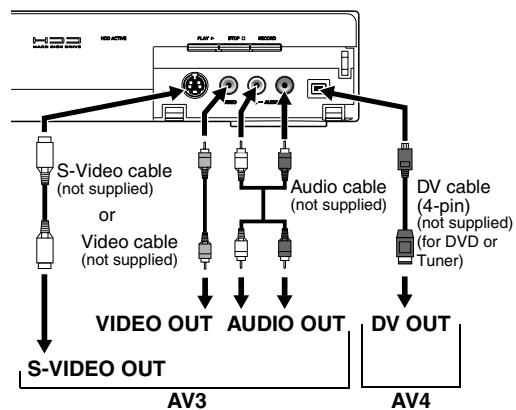
- 1 In stop mode, press [HOME]. Select "General Settings" using [▲ / ▼], then press [OK].
- 2 Select "Video" using [▲ / ▼], then press [OK].
- 3 Select "Active Video Input" using [▲ / ▼], then press [OK].
- 4 Select the input jack type to be used using [▲ / ▼], then press [OK].

General Settings		PHILIPS
Video	Active Video Input	
TV Shape	Video In	
Active Video Input	S-Video In	
Active Video Output		

- If you want to use VIDEO input jack (Composite), select "Video In".
- If you want to use S-VIDEO input jack, select "S-Video In".

- 5 Press [HOME] to exit.

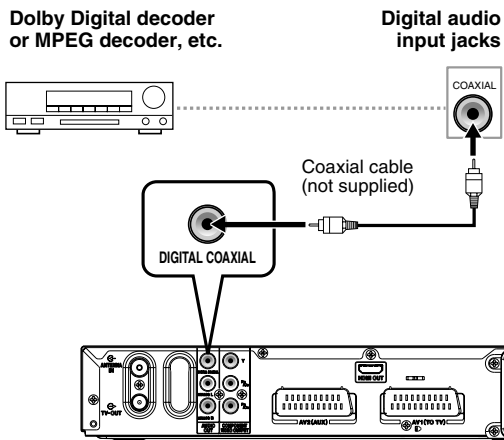
### AV3 / AV4 (Front)



#### Note

- When connecting an external device of monaural output to this unit, use AUDIO L jack of AV3.
- Switch the input selector on your TV to an appropriate external input channel.

## Digital Audio for Better Sound Quality (for DVD or Tuner)



The connections illustrated above are optional for better sound

### 1 For clear digital sound quality, connect the AUDIO OUT (DIGITAL COAXIAL) of the unit to your digital audio equipment.

If the audio format of the digital output does not match the capabilities of your receiver, the receiver will produce a strong, distorted sound or no sound at all.

### Connecting a Dolby Digital™ decoder or MPEG decoder

- Connecting multi-channel Dolby Digital decoder allows you to enjoy the Multi-channel Dolby Digital surround system.
- After connecting to a Dolby Digital decoder, set "Dolby Digital" to "Stream" in "Disc Audio" menu. (See page 76.)
- After connecting to a MPEG decoder, set "MPEG" to "Stream" in "Disc Audio" menu. (See page 76.)
- Switch the input selector on your TV to an appropriate external input channel.

### Connecting to an MD deck or DAT deck

- The audio source recorded in Dolby Digital Multi-channel surround format cannot be recorded using an MD or DAT deck as a digital sound.
- If not connected to a Dolby Digital decoder, set "Dolby Digital" to "PCM" in "Disc Audio" menu. Playing back a DVD using incorrect settings may generate noise distortion and damage speakers.
- Set "Dolby Digital" and "MPEG" to "PCM" in "Disc Audio" menu for connecting to an MD or DAT deck.
- You can use AUDIO OUT (ANALOG L/R) jacks for the connection of your audio system.
- Switch the input selector on your TV to an appropriate external input channel.

## After You Have Completed Connections

Switch the input selector on your TV to an appropriate external input channel. For details, refer to the User Manual of your TV.

### Note

- Connect this unit directly to the TV. If the AV cables are connected to a VCR, pictures may be distorted due to the effects of the copy protection system.

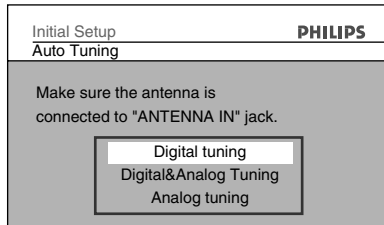


# Initial Setup

## Initial Setup

When you turn on this unit for the first time, you need to follow these steps.

- 1 Press [⏻ (STANDBY-ON)].
- 2 Turn on the TV. Select the input to which the unit is connected.  
"Initial Setup" will automatically appear.
- 3 Select the type of tuner to install using [▲ / ▼]. Then press [OK].



The unit will start scanning channels available in your area.

### Digital tuning:

Only the digital channels receivable in your area are automatically scanned and stored.

### Digital&Analog Tuning:

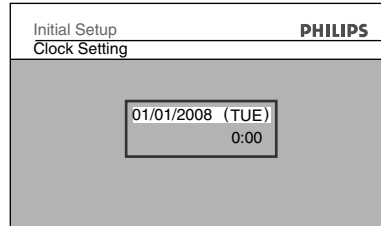
Both analogue and digital channels receivable in your area are automatically scanned and stored.

### Analog tuning:

Only the analogue channels receivable in your area are automatically scanned and stored.

- If no channel has been stored, the antenna confirmation display will appear. Press [OK] to start auto scanning again or press [BACK ↵] to cancel the Initial Setup.
- Make sure this unit, TV and Cable Box/Satellite Receiver (if available) are all connected correctly and switched on.

- 4 After the channel search is finished, "Clock Setting" will appear. Press [OK] if you want to adjust the current date and time, then follow steps below, or press [BACK ↵] or [HOME] to exit.



- The current date and time will appear automatically.
- The message : "Wait for a moment." will appear while the clock data is being updated.

- 5 Enter the date (day / month / year) using [▲ / ▼].

Press [▶] to move the cursor to the next field. If you want to go back to the previous field, press [◀].

- 6 Enter the time (hour / minute) using [▲ / ▼].

The clock will start.

- Although seconds are not displayed, they will be counted from zero.

- 7 Press [OK] to exit.

### Note

- Leave the unit in standby for 1 minute after completing the initial installation and do not unplug the mains power of the unit. The unit needs this 1 minute to store all the channels. After 1 minute, you can remove the mains power if you need to.

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## Selecting the TV Shape

You can select the TV aspect ratio to ensure match of programme format with the connected TV (4:3 standard or 16:9 Widescreen TV).

- 1** In stop mode, press [HOME]. Select "General Settings" using [▲ / ▼], then press [OK].
- 2** Select "Video" using [▲ / ▼], then press [OK].
- 3** Select "TV Shape" using [▲ / ▼], then press [OK].

General Settings		PHILIPS
Video		
TV Shape	4:3 Letter Box	
Active Video Input	4:3 Pan scan	
Active Video Output	16:9 Widescreen	

- 4** Select the desired option using [▲ / ▼], then press [OK].

TV Shape
4:3 Letter Box
4:3 Pan scan
16:9 Widescreen

- 5** Press [HOME] to exit.

### Hint

If you have a standard TV:

- Select "4:3 Letter Box" for a full width picture with black bars at the top and bottom.
- Select "4:3 Pan scan" for a full height picture with both sides trimmed.

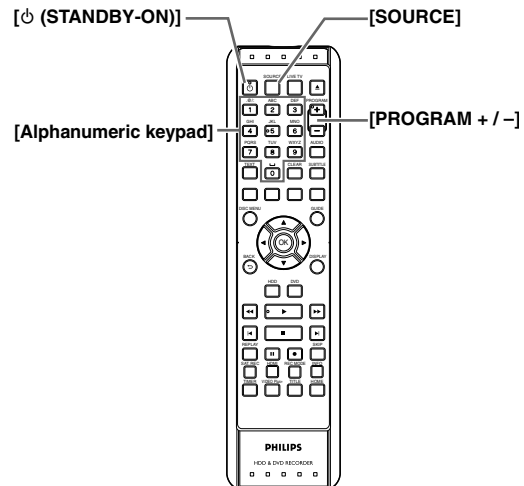
If you have a wide screen TV:

- Select "16:9 Widescreen".

## Control TV Programmes

The following operations are available while viewing TV channels through this unit's tuner.

### Viewing Live TV



- 1** Press [STANDBY-ON] to turn on the unit.

Turn on the TV and be sure to select the input to which the unit is connected.

- 2** Press [SOURCE] to select digital, analogue or external input mode, then select the desired channel to record using [PROGRAM +/-] or [Alphanumeric keypad].

**The TV programme you are tuned to is automatically stored in the Time Shift Buffer. This allows you to pause the Live TV and resume playback at any time.**

- To record the contents of Time Shift Buffer, refer to "Recording the Contents of the Time Shift Buffer" on pages 29 - 30.
- To play back of Time Shift Buffer, refer to "Playback of Time Shift Buffer" on page 57.

### Watching digital TV broadcast

This unit is able to receive free-to-air DVB-T (Digital Video Broadcast-Terrestrial) television and radio channels. As new services are added over time, make sure to regularly update and install new channels. See "Manual Tuning (DIGITAL)" on page 85 for details.

#### Changing the subtitle/audio language

This operation works only for broadcasts with multiple subtitle/audio languages.

- Press [AUDIO] or [SUBTITLE] on the remote control. (See page 24 for more details.)

#### Showing the programme information

- Press [INFO] on the remote control to display programme information screen. After 3 seconds, programme information screen will automatically disappear.

## Select a Channel

### Using [Alphanumeric keypad]:

You can select a channel using [Alphanumeric keypad].

e.g.) digital channel

6 ch: Press [6], then wait for 2 seconds or press [0], [0], [6].

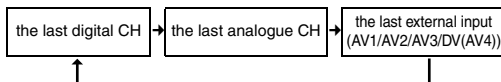
15 ch: Press [1], [5], then wait for 2 seconds or press [0], [1], [5].

173 ch: Press [1], [7], [3], then wait for 2 seconds (entering three-digit channel number is only valid with digital channels).

- Analogue channels will be stored in channel 1-99 and digital channels will be stored in channel 1-899 after it is scanned by this unit.

### Using [SOURCE] button:

You can switch between digital channels, analogue channels and external input (AV1/AV2/AV3/DV(AV4)) by pressing [SOURCE] repeatedly. The mode changes as follows:



Please be noted that the analogue/digital channel will be skipped when it is not stored at all.

### Using [PROGRAM + / -] button:

- You can switch between digital channels when watching digital programmes.
- You can switch between analogue channels when watching analogue programmes.
- You can switch between the external inputs when enjoying data from external devices.

### Note

- You cannot switch between the digital channels, the analogue channels and external inputs.

## Selecting the Audio Mode

### ANALOG

You can switch between TV audio modes by pressing [AUDIO]. Each mode is indicated on the TV screen.

- During reception of analogue bilingual broadcasts

Mode	Audio output	Display on the TV screen
Main	Main audio from both speakers	Main
Sub	Sub audio from both speakers	Sub
Main / Sub	<ul style="list-style-type: none"> <li>• Main audio from the left speaker</li> <li>• Sub audio from the right speaker</li> </ul>	Main/Sub

- If the programme does not have more than one sound track, [AUDIO] is not effective.

## Digital Text Service

### DIGITAL

Many broadcasters provide a Digital Text Service in the form of a dedicated Teletext channel. This Digital Text Service includes high quality text and graphics along with advanced navigation options.

### 1 Press [TEXT] to display Teletext screen.

- Digital Text for the TV channel you have selected will be displayed.

### 2 Use [RED] / [GREEN] / [YELLOW] / [BLUE] to follow the instructions on screen.

### 3 Press [TEXT] to switch the Teletext display off.

### Note

- This unit supports MHEG5 data service.
- This unit does not support MHP data service.
- If you display the Teletext screen during the recording, the Teletext screen will be recorded. In addition, you cannot use [Alphanumeric keypad] for changing Teletext pages. Use [▲ / ▼ / ◀ / ▶] and [OK] to change the Teletext pages.

## EPG (Electronic Programme Guide)

### DIGITAL

Electronic programme guide (On-screen TV guide) gives you a list of the digital TV programmes and detailed information about the programmes.

### 1 In stop mode, press [GUIDE].

- Select the TV programme using [▲ / ▼ / ◀ / ▶], then press [HOME] or [GUIDE] to exit.
  - From the EPG screen, you can also set the timer recording. Select the TV programme using [▲ / ▼ / ◀ / ▶], then press [OK] or [BLUE] to go to "Timer Programming" menu. Refer to "Timer Recording (EPG)" on page 33.
- e.g.) Daily mode



- EPG menu mode
- Current date / time
- Date of selected programme
- Channel number / name
- Channel programme
- Currently Highlighted Programme on EPG
- Programmes set for the timer recording

**S**: Programmes set for the series link timer recording.

**⌚**: Once only timer recording.

- For the series link timer recording, refer to "Series Link Timer Recording" on page 34.

- Press **[GUIDE]** to exit.
- Press **[RED]** or **[GUIDE]** to switch between “Daily mode” and “Weekly mode”.
- Press **[GREEN]** to see another series/part of the selected programme or recommended programme related to the selected program.
- Press **[BLUE]** to set a timer recording for the selected TV programme.
- Press **[YELLOW]** to see more detailed information of the selected programme.

#### Using user guide

Press **[INFO]** to display the user guide. You can see each explanation of the buttons which can be used in “EPG” menu. Press **[BACK ↵]** to return to “EPG” menu.

#### Note

- EPG cannot be displayed during recording.
- For “Daily mode”, only programme listings for current viewed channel is displayed.
- For “Weekly mode”, program listings for channels available are displayed. The display is not constrained to only one channel.
- **[GREEN]** is available only when the selected programme has the series link tag.

## Multiaudio

### DIGITAL

Digital channels also contain multiple audio languages. You can select the desired audio language.

- 1 While viewing a digital TV programme, press **[AUDIO]**.



- 2 Select “Stereo”, “Right” or “Left” using **[◀ / ▶]**.

- 3 Select your desired audio language using **[▲ / ▼]**.

- The available audio language varies depending on the digital TV broadcasts.

- 4 Press **[OK]** to activate the settings.

#### Note

- If the programme is changed, the audio language will be switched back to the default language you set in the “Digital TV Settings”. Refer to “Language Setting” on page 88.

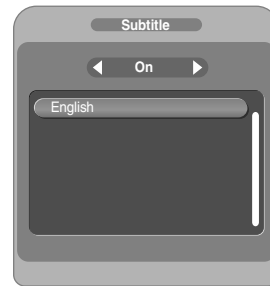
## Subtitle

### DIGITAL

Digital channels also contain subtitles. You can select the desired subtitle.

- 1 While viewing a digital TV programme, press **[SUBTITLE]**.

- If the programme has no subtitle information, “No information” will appear.



- 2 Select “ON” using **[◀ / ▶]**.

- If you do not want to display the subtitle, select “Off” using **[◀ / ▶]**.

- 3 Select your desired subtitle language using **[▲ / ▼]**.

- The available subtitle language varies depending on the digital TV broadcasts.

- 4 Press **[OK]** to activate the settings.

#### Note

- If the programme is changed, the subtitle language will be switched back to the default language you set in the “Digital TV Settings”. Refer to “Language Setting” on page 88. If the default subtitle language is not available on the new programme, no subtitle will be displayed.

# Recording

## Information on Recording







### Recordable Discs

This unit can record to DVD+RW, DVD+R, DVD-RW and DVD-R.

DVD+R/DVD-R can only be recorded to once.

DVD+RW/ DVD-RW can be recorded to and erased many times.

**DVD-RW/-R will be recorded in the DVD+VR mode automatically in this unit.**

Logo	Attributes
 DVD+ReWritable	 DVD+R
 DVD+RW	 DVD+R
 DVD-RW	 DVD-R

8 cm/12 cm, single-sided, single layer disc  
Approx. max. recording time (SLP mode):  
360 minutes (4.7 GB) (for 12 cm)  
108 minutes (1.4 GB) (for 8 cm)

- Following discs are recommended for good recording quality and are proven to be compatible with this unit.

However, depending on the media condition the unit may not read the disc properly.

Verbatim	DVD+R 8x, DVD-R 8x,	DVD+RW 4x, DVD-RW 2x
JVC	DVD-RW 4x	
Maxell	DVD+R 4x/8x/16x, DVD-R 8x/16x	
SONY	DVD+R 4x/8x/16x, DVD+RW 4x	
TDK	DVD+R 4x/8x/16x	

Performance of any other discs are not guaranteed.

- **You can play back DVD+RW on most DVD players without finalising. However, if you have added or deleted chapters, or made chapters hidden, you must perform "Make Edits Compatible" before being able to see those effects on other units. (Refer to page 72 for more details.) To play back discs other than DVD+RW on other DVD players, you will need to finalise.**

### Unrecordable Discs

- DVD-RW recorded in the mode other than +VR is not recordable on this unit unless you erase all contents in the disc (refer to page 71).
- DVD-R recorded in the mode other than +VR is not recordable on this unit.

### Maximum Recordable Numbers of Title / Chapters

HDD :	600 titles 99 chapters per title
DVD :	49 titles per disc 254 chapters per disc 99 chapters per title

## Recording Mode

You can select a recording mode from 6 options. The recording time will vary depending on the recording mode you select as follows.

Disc	Recording Mode	Recording Time	Video / Sound Quality
DVD 8 cm	HQ (1Hr)	18 min	☆☆☆☆☆
	SP (2Hr)	36 min	☆☆☆☆☆
	SPP (2.5Hr)	45 min	☆☆☆☆
	LP (3Hr)	54 min	☆☆☆
	EP (4Hr)	72 min	☆☆
	SLP (6Hr)	108 min	☆
DVD 12 cm	HQ (1Hr)	60 min	☆☆☆☆☆
	SP (2Hr)	120 min	☆☆☆☆☆
	SPP (2.5Hr)	150 min	☆☆☆☆
	LP (3Hr)	180 min	☆☆☆
	EP (4Hr)	240 min	☆☆
	SLP (6Hr)	360 min	☆
HDD 160 GB	HQ	30 hrs	☆☆☆☆☆
	SP	60 hrs	☆☆☆☆☆
	SPP	75 hrs	☆☆☆☆
	LP	90 hrs	☆☆☆
	EP	120 hrs	☆☆
	SLP	180 hrs	☆

- The recording times are estimates and actual recording time may differ.
- The audio and video quality gets poorer as the recording time gets longer.

### Note

- This unit cannot record on CD-RW or CD-R discs.
- DVD+RW/+R, DVD-RW/-R and CD-RW/-R discs recorded on a personal computer or a DVD or CD recorder may not be played back if the disc is damaged or dirty or if there is condensation on the recorder's lens.
- If you record a disc using a personal computer, even if it is recorded in a compatible format, it may not be played back because of the settings of the application software used to create the disc. (Check with the software publisher for more detailed information.)
- Since recording is performed using the Variable Bit Rate (VBR) method, the actual remaining time for recording may be a little shorter than the remaining time displayed on the OSD, depending on the picture you are recording.
- You can only record "Copy-once only" programme on an internal HDD.

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## About HDD

HDD is a special device which has high recording density and is suited for long-time recording or high-speed cueing but by contrast, has many factors which can cause breakage. Use HDD on the premise that you should dub the recorded programmes to a DVD disc to protect your precious videos.

### HDD is a temporary storage location:

HDD is not a permanent storage location of the recorded contents. Be sure to use it as a temporary storage location until you watch the programmes once, edit them, or dub them to a DVD disc.

### Be sure to dub (back up) data promptly if you find abnormalities in HDD:

If there is mechanical trouble with the HDD, grinding or other sounds may be heard or blocky noise may appear on the image. If you continue to use as it is, deterioration may continue and eventually the HDD may not be used at all. If you notice any symptoms of a failing HDD, promptly dub the data to a DVD disc. When an HDD fails, recovery of recorded content (data) may be impossible.

### About the remaining capacity of HDD recording time:

In recording to HDD, the Remaining Capacity Display may differ from the actual recordable time as this unit adopts Variable Bit Rate encoding, which varies the recording (storage) amount of data in accordance with the amount of information in the video signal. Before recording to the HDD, ensure there is sufficient space on the HDD by deleting unnecessary titles in advance.

## Make Recording Compatible



Use this feature to make the unfinalised +VR mode discs recorded on other unit recordable on this unit. When you make an additional recording on this unit with "Make Rec. Compatible" set to "ON", the title list is automatically converted to this unit's style.

- 1 In stop mode, press [HOME]. Select "General Settings" using [▲ / ▼], then press [OK].**
- 2 Select "Recording" using [▲ / ▼], then press [OK].**
- 3 Select "Make Rec. Compatible" using [▲ / ▼], then press [OK].**
- 4 Select "ON" or "OFF" using [▲ / ▼], then press [OK].**

General Settings		PHILIPS
Recording		Make Rec. Compatible
Auto Chapter	ON	
Auto Finalise	OFF	
Make Rec. Compatible		
Recording Language		
External Input Audio		
Video Standard		

ON: Title list will be replaced when you make additional recordings to the discs recorded by other units.

OFF: Prohibiting additional record to the disc that has a title list created by other units.

- 5 Press [HOME] to exit.**

## Setting Auto Chapter



The unit inserts a chapter marker periodically (every 5 minutes by default) during recording. Using the "Auto Chapter" menu, you can turn this function off or change the time period.

- 1 In stop mode, press [HOME]. Select "General Settings" using [▲ / ▼], then press [OK].**
- 2 Select "Recording" using [▲ / ▼], then press [OK].**
- 3 Select "Auto Chapter" using [▲ / ▼], then press [OK].**

General Settings		PHILIPS
Recording		Auto Chapter
Auto Chapter	OFF	
Auto Finalise	5 minutes	
Make Rec. Compatible	10 minutes	
Recording Language	15 minutes	
External Input Audio	30 minutes	
Video Standard	60 minutes	

- 4 If you want to set "Auto Chapter" off, select "OFF" using [▲ / ▼], then press [OK].**

General Settings		PHILIPS
Recording		Auto Chapter
Auto Chapter	OFF	
Auto Finalise	5 minutes	
Make Rec. Compatible	10 minutes	
Recording Language	15 minutes	
External Input Audio	30 minutes	
Video Standard	60 minutes	

If you want to change the time period for "Auto Chapter", select the required time period using [▲ / ▼], then press [OK].

- 5 Press [HOME] to exit.**

### Note

- The interval for auto chapter may be up to 2 minutes different from the time option you set.
- While recording, no more chapter mark will be added after coming up to the maximum chapter mark number.

## Selecting the Sound Mode

This unit can receive bilingual audio broadcasts.

You can switch between different audio by pressing [AUDIO]. When you do a manual record of an analogue or digital channel, only selected audio will be recorded.

### Setting External Input Audio



When the external input audio is a bilingual broadcast, you can choose "Stereo" or "Bilingual" to record on an HDD/DVD. This setting is only for recording external input (AV1/AV2/AV3).

- 1 In stop mode, press [HOME]. Select "General Settings" using [▲ / ▼], then press [OK].
- 2 Select "Recording" using [▲ / ▼], then press [OK].
- 3 Select "External Input Audio" using [▲ / ▼], then press [OK].

General Settings PHILIPS	
Recording	External Input Audio
Auto Chapter	Stereo
Auto Finalise	Bilingual
Make Rec. Compatible	
Recording Language	
External Input Audio	
Video Standard	

- 4 Select "Stereo" or "Bilingual" using [▲ / ▼], then press [OK].

General Settings PHILIPS	
Recording	External Input Audio
Auto Chapter	Stereo
Auto Finalise	Bilingual
Make Rec. Compatible	
Recording Language	
External Input Audio	
Video Standard	

- 5 Press [HOME] to exit.

#### Hint

- If you select "Stereo":  
Audio will be recorded as "stereo audio".
- If you select "Bilingual":  
Audio will be recorded as "bilingual audio". (See "Setting Recording Language" on this page for more detail.)

## Setting Recording Language



You can select either "Main" or "Sub" audio to record a bilingual broadcast.

This setting is only for recording analogue channel.

- 1 In stop mode, press [HOME]. Select "General Settings" using [▲ / ▼], then press [OK].
- 2 Select "Recording" using [▲ / ▼], then press [OK].
- 3 Select "Recording Language" using [▲ / ▼], then press [OK].
- 4 Select "Main" or "Sub" using [▲ / ▼], then press [OK].

General Settings PHILIPS	
Recording	Recording Language
Auto Chapter	Main
Auto Finalise	Sub
Make Rec. Compatible	
Recording Language	
External Input Audio	
Video Standard	

- 5 Press [HOME] to exit.

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## Basic Recording



Follow the steps below to record a TV programme.

### 1 Press [⏻ (STANDBY-ON)] to turn on the unit.

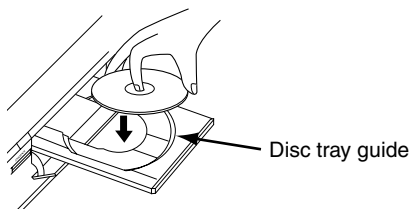
Turn on the TV and be sure to select the input to which the unit is connected.

If you are recording to the HDD, press [HDD], then proceed to step 5.

If you are recording to a disc, press [DVD].

### 2 Press [▲ (OPEN/CLOSE)] to open the disc tray.

### 3 Place the disc on the disc tray with its label facing up. Be sure to align the disc with the disc tray guide.



### 4 Press [▲ (OPEN/CLOSE)] to close the disc tray.

### 5 Select the recording mode using [REC MODE]. (See page 25.)

### 6 Press [SOURCE] to select digital, analogue or external input mode, then select the desired channel to record using [PROGRAM + / -] or [Alphanumeric keypad].

### 7 Press [● (RECORD)] to start recording.

The "● HDD" or "● DVD" mark will be displayed on the TV screen briefly.

To pause the recording, press [⏸ (PAUSE)].

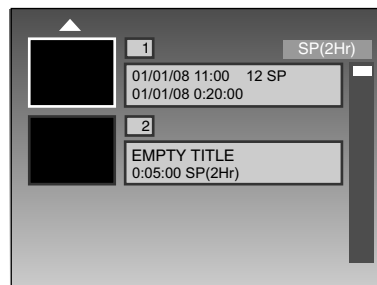
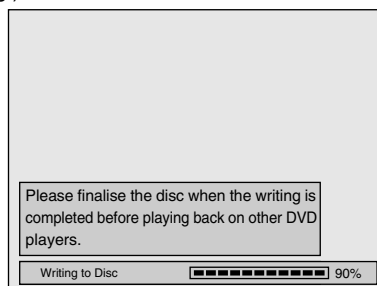
Press [⏸ (PAUSE)] or [● (RECORD)] again to restart the recording.

### 8 Press [■ (STOP)] to stop the recording.

This operation may take a few moments to complete.

As for DVD recording, the title list will appear automatically after writing to a disc complete. (Refer to "Guide to a Title List" on page 63.)

e.g.) DVD+R



- Press [■ (STOP)] to exit the title list.

#### Hint

- You can change the channel in the REC pause mode.

#### Note

- Recording continues until the disc is full (as for HDD, 12 hours after the recording starts) or you stop the recording.
- If the clock is not set, the date and time of title names will be 01/01/08 and 00:00.
- You cannot change the recording mode in the pause mode.
- Even if the analogue channel you are recording is in SECAM TV system, this unit automatically converts it to PAL TV system during recording.
- If the external equipment (e.g. cable box, Canal+ decoder) is connected to AV2, the picture of the external equipment will be output except during the DVD playback of this unit. Turn off the external equipment or press [DISPLAY] to output the picture from this unit.
- You can play back a title on one component while making a recording on the other component. To do so, simply select the component (HDD or DVD) you want to use for the playback by pressing [HDD] or [DVD] during HDD / DVD recording. And then follow the normal playback procedure.
- If playback and recording are in progress at the same time, select the appropriate component by pressing [HDD] or [DVD] before you press [⏸ (PAUSE)] or [■ (STOP)] to pause or stop the operation.
- NTSC recording is prohibited in this unit.
- This unit cannot record images as aspect ratio of 16:9. The 16:9 images will be recorded as 4:3.
- When you record a TV programme, you have to select the TV channel audio beforehand. Only the selected channel audio will be recorded.
- Pressing [⏻ (STANDBY-ON)] during recording will terminate the recording.



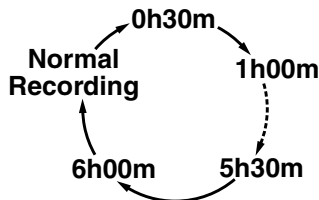
## One-touch Timer Recording (OTR)



This is a simple way to set the recording time in blocks of 30 minutes. Ensure the disc you are recording to has enough space to contain the OTR Record duration.

- 1 Follow steps 1 to 6 in “Basic Recording” on page 28.
- 2 Press [● (RECORD)] repeatedly until the desired recording time (30 minutes to 6 hours) appears on the TV screen.

One-touch Timer Recording will start.



- When the unit reaches the specified time, it will be turned off automatically.
- To change the recording length during One-touch Timer Recording, press [● (RECORD)] repeatedly until the desired length appears.
- To cancel One-touch Timer Recording within the specified time, press [■ (STOP)].

### Hint

- The remaining recording time will appear on the TV screen during One-touch Timer Recording. Press [DISPLAY] to see it on the TV screen.
- The remaining recording time will be displayed on the front panel display during One-touch Timer Recording.
- Unlike the timer recording, you can perform the following operations during One-touch Timer Recording.
  - Put unit to standby. (One-touch timer recording will be cancelled.)
  - Use [● (RECORD)] on the remote control.

### Note

- You cannot use the pause function during One-touch Timer Recording.
- The unit will be turned off automatically under the following conditions.
  - No space remains on the disc.
  - If a power failure occurs.
- You cannot change the channel when this unit is in any recording mode (normal recording, One-touch Timer Recording or timer recording).
- Pressing [⏻ (STANDBY-ON)] during recording will terminate the recording.

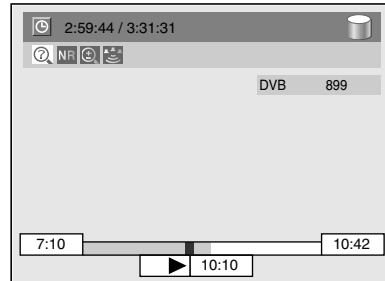
## Time Shift Buffer



Every time you turn on this unit, this unit automatically records the channel currently viewed and temporarily stores the recorded content to the HDD (Time Shift Buffer). By using this function, you can pause or view earlier parts of the current TV programme. You may also start to record from the beginning of the TV programme. Time shift buffer can store programmes up to a duration of 6 hours. If maximum duration is exceeded, earliest programme will be removed.

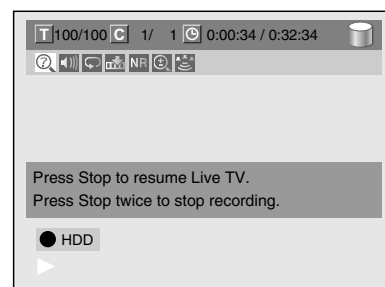
### Recording the Contents of the Time Shift Buffer

- 1 When watching TV programme through this unit's tuner, use [◀ (PREV)], [◀◀ (REW)], or [REPLAY] to locate your desired point to start recording.



- If you press [DISPLAY], the Time Shift Buffer information will appear.
- It is possible to skip to your desired time by the time search on the display of the Time Shift Buffer in addition to [◀ (PREV)], [◀◀ (REW)] or [REPLAY].

- 2 Press [● (RECORD)] to start recording.



From the selected point, the contents of the Time Shift Buffer become a recording title in the HDD while the unit continues to record the current content of the channel.

- 3 Press [■ (STOP)] twice to stop recording.

The recording stops.

If you press [■ (STOP)] once, the image on the TV screen goes back to current content of the channel while Time Shift Buffer continues.

**The Time Shift Buffer will be stopped, cleared in following cases:**

- Turning off the power
- Start recording
- Editing titles or goes into editing menu
- Start dubbing
- Digital Video input (AV4)
- Using any functions in "Disc Editing" or "HDD Settings"
- Selecting items in "Channel" setting:
  - "Digital&Analog Tuning"
  - "Digital Channel Setup" → "Edit Channels"
  - "Digital Channel Setup" → "Auto Tuning"
  - "Digital Channel Setup" → "Manual Tuning"
  - "Digital Channel Setup" → "Signal Information"
  - "Analog Channel Setup" → "Auto Tuning"
  - "Analog Channel Setup" → "Manual Tuning"
  - "Analog Channel Setup" → "Sort Channels"
- The Time Shift Buffer will automatically resume for new recording

**Note**

- In Time Shift Buffer, when you display the digital programme information, the on-screen display will be recorded as the part of the picture.
- When you record the contents of the Time Shift Buffer, the recording mode is always SP.
- If there is not enough recordable space on HDD to record from the selected point to current point, you cannot record the content of Time Shift Buffer.
- After recording from Time shift buffer, portion that is copy protected will not be seen on playback and "Content is Copy Protected." message is indicated.
- Using [LIVE TV] makes it possible to go back to the current position of the TV programme broadcast.
- When you press [PROGRAM + / -] to change the channel to digital Video channel, the message : "This action will clear the Time Shift Buffer. Do you want to continue?" will appear. Selecting "Yes", the Buffer is cleared and the channel will be changed.
- When you press [HOME], [TITLE] or [DISC MENU], the message : "Time Shift Buffer will be cleared depending on your selection. Do you want to continue?" may appear.
- In HDD mode, you can pause the program when you press [II (PAUSE)] during the program live on the air. Furthermore, you can resume it by pressing [▶ (PLAY)] in pause mode.
- Once it has exceeded 6 hours, the beginning of Time Shift Buffer will be deleted accordingly, and the elapsed time displayed will be unchanged.

## Timer Recording



You can set the unit to record up to 36 programmes, up to a month in advance. Daily or weekly programme recordings are also available.

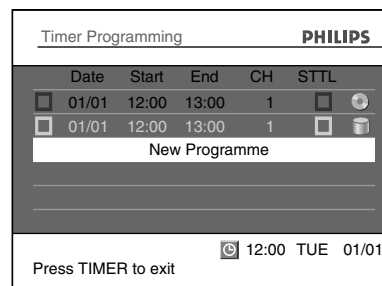
- Be sure to set the clock before entering a timer programming.

### Insert a recordable disc.

#### 1 In stop mode, press [TIMER].

"Timer Programming" list will appear.

#### 2 Select "New Programme" using [▲ / ▼], then press [OK].

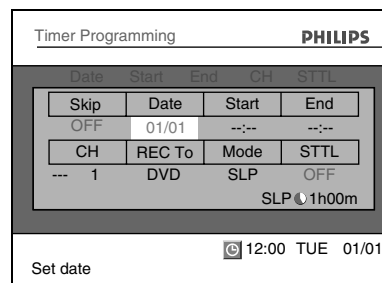
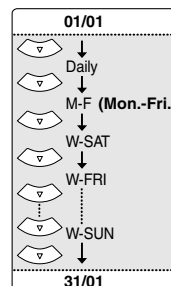


- If there are 7 programmes or more, use [◀ (PREV)]/[▶ (NEXT)] to turn the page.

#### 3 Enter the date using [▲ / ▼], then press [▶].

Each time you press [▼] at the current date, the timer recording date will change as follows.

e.g., 1st January



#### 4 Enter the time to start and to end using [▲ / ▼], then press [▶].

## 5 Select the channel number to record using [ $\blacktriangle$ / $\blacktriangledown$ ], then press [ $\blacktriangleright$ ].

To record from the external input, select "AV1", "AV2", or "AV3".

## 6 Select the recording media ("HDD" or "DVD") using [ $\blacktriangle$ / $\blacktriangledown$ ], then press [ $\blacktriangleright$ ].

## 7 Select the recording mode using [ $\blacktriangle$ / $\blacktriangledown$ ], then press [ $\blacktriangleright$ ].

Refer to "Recordable Discs" on page 25.

## 8 For digital channel recording: Select "STTL" to "ON" or "OFF" using [ $\blacktriangle$ / $\blacktriangledown$ ].


If you set "STTL" to "ON", subtitle will be recorded too.

## 9 Press [OK] when all information required is entered.

"Timer Recording will clear the Timer Shift Buffer." will appear, and then your programme setting is stored.

- To set another programme, repeat steps 2 to 9.
- To exit, press [TIMER].
- When 2 or more programmes are overlapped, "Timer programme overlapped" appears, and the overlapped programme will be displayed in blue. To correct the timer programme, refer to "To Check/Delete/Amend Timer Programme" on page 31.

Timer Programming						PHILIPS	
01/01/08	12:00	13:00	1	SLP	SLP(1:00)		
Date	Start	End	CH	STTL			
<input type="checkbox"/>	01/01	12:00	13:00	1	<input type="checkbox"/>		
<input type="checkbox"/>	01/01	12:00	13:00	1	<input type="checkbox"/>		
<input type="checkbox"/>	01/01	12:00	13:00	1	<input type="checkbox"/>		
New Programme							
Press OK to edit or delete programme							

The  icon will appear on the front panel display.

### Note

- If you have not set the clock, the clock setting window will appear instead of the "Timer Programming" list. Continue from step 4 in "Manual Clock Setting" on page 89 to set the clock before programming the timer.
- Press [ $\blacktriangle$  /  $\blacktriangledown$ ] to move the cursor in "Timer Programming" list.
- If the timer recording starts when the power is on,
  - to watch the channel being recorded (during timer recording), switch the input on your TV to the recorder source.
  - during timer recording, you may hear the audio of the channel being recorded if you have an audio amplifier (connected to your recorder audio output) switched on. If so, please switch off the audio amplifier.
- If you want to use the unit during the timer recording which starts in standby, press [ $\odot$  (STANDBY-ON)] to switch the input on your TV to the recorder source.

### Alternate recording (DVD only)...

- If there is no disc or not enough space on DVD or copy once source, recording will be done to HDD even when DVD is selected during timer programming.
- If the available space on the HDD is less than that of DVD, the unit will not perform the alternate recording. This feature is available only for timer recording and not available for one-touch timer recording.

## To Check/Delete/Amend Timer Programme

### 1 Press [TIMER].

### 2 A) To delete the timer programme:

- 1) Select the programme you want to delete using [ $\blacktriangle$  /  $\blacktriangledown$ ], then press [OK].
- 2) Select "Delete" using [ $\blacktriangle$  /  $\blacktriangledown$ ], then press [OK].  
Confirmation window will appear.
- 3) Select "Yes" using [ $\blacktriangle$  /  $\blacktriangledown$ ], then press [OK].

### B) To correct the timer programme:

- 1) Select the programme you want to correct using [ $\blacktriangle$  /  $\blacktriangledown$ ], then press [OK].
- 2) Select "Edit Programme" using [ $\blacktriangle$  /  $\blacktriangledown$ ], then press [OK].
- 3) Correct the timer programme by using [ $\blacktriangle$  /  $\blacktriangledown$  /  $\blacktriangleleft$  /  $\blacktriangleright$ ], then press [OK].

### 3 Press [TIMER] to exit.

To see list of programmed timers, press [TIMER].

## To Skip Periodical Timer Programme

You can deactivate the periodical (Daily, Mon-Fri or Weekly) timer recording temporarily.

### 1 In stop mode, press [TIMER].

### 2 Select the periodical timer recording programme you want to skip using [ $\blacktriangle$ / $\blacktriangledown$ ], then press [OK].

### 3 Select "Edit Programme" using [ $\blacktriangle$ / $\blacktriangledown$ ], then press [OK].

### 4 Move the cursor to the "Skip" field using [ $\blacktriangleleft$ / $\blacktriangleright$ ], then select "ON" using [ $\blacktriangle$ / $\blacktriangledown$ ] and then press [OK] to activate the setting.

- " $\checkmark$ " will be displayed on the left side of the timer programme.
- The setting will go back to "OFF" after the programme is skipped once.

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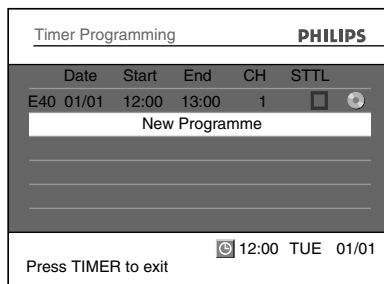
## To Stop Timer Recording in Progress

Press **[STOP ■]** on the front panel of the unit or **[■ (STOP)]** on the remote control to stop current timer recording.

- You can also stop the timer recording in progress by deleting the timer programme. Press **[TIMER]** while the timer recording is in progress, then follow steps **2-A)** and **3** of the "To Check/Delete/Amend Timer Programme" on page 31.

## Error Codes for Timer Recording that Does Not Work Correctly

The error number appears on "Timer Programming" list.



The error numbers indicate:

- E1–E22,
  - E37–E39 : Recording error
  - E25/E51 : • Copy prohibited programme
  - : • Cannot record because of the NTSC/PAL-60 signal is received.
  - E26–E28 : Copy prohibited programme
  - E30 : Disc full
  - E40 : • There are some unrecorded parts due the overlapped timer programmes.
  - : • Recording did not start at the start time.
  - E41 : Power failure
  - E45 : Copy prohibited programme
  - E46 : You are trying to record onto the unfinalised +VR mode discs recorded on other unit.
  - E47 : Already 600 titles recorded on the HDD.
  - E49 : There was no disc space on the HDD at the starting time for the HDD timer recording.
  - E50 : HDD recording is cancelled due to the insufficiency of the disc space on the HDD.
- Timer programme with an error number will be cleared once the entry screen for the programme is displayed.

## Hints for the Timer Recording

- If a power failure occurs or the unit is unplugged for more than 30 seconds, the clock setting and all timer settings will be lost.
- If a disc is not inserted or if a inserted disc is not recordable (finalised DVD+R, finalised DVD-RW/-R, a fully recorded disc, etc.), the unit will perform the alternate recording to the HDD. (See page 31.)
- When a timer recording is completed, the unit will ask you whether to turn off the unit if there is no timer recording which starts within 4 minutes, except under conditions listed below.
  - During playback of HDD or DVD.
  - While displaying menus or information on the screen.

The unit will be turned off automatically if you select "Yes" or if you do not reply in 1 minute.

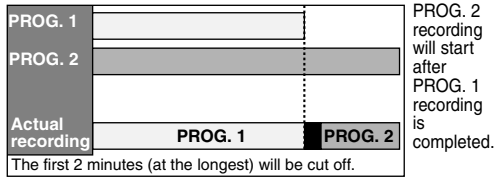
- When the programmed starting and ending time are earlier than the current time, the setting will not be accepted.
- The audio language which is selected in the "Digital TV Settings" will be recorded for the timer recording of digital TV broadcasting.
- Timer recording whose recording time exceeds 12 hours cannot be made.
- It is prohibited to turn off the unit 4 minutes before the programmed starting time.
- It is prohibited to change channel from 15 seconds before the programmed starting time.
- [● (RECORD)]** does not work from 2 minutes before the programmed starting time. If it comes to 2 minutes before the starting time during regular or one-touch timer recording, the recording in progress will be stopped.
- Playback of DVD/CD is prohibited from 2 minutes before the programmed starting time when the recording media is DVD. If it comes to 2 minutes before the programmed starting time during DVD/CD playback, the playback will be stopped.
- When 2 or more programmes are overlapped, "Timer programme overlapped" appears, and the overlapped programme will be displayed in blue. To correct the timer programme refer to "To Check/Delete/Amend Timer Programme" on page 31.
- If the Start time is earlier and the End time is later than the current time, the recording will start immediately after you press **[OK]** at step **9** on page 31.

### Priority of overlapped settings

The unit follows below certain rules of Timer priority in case of overlap timers. See below.

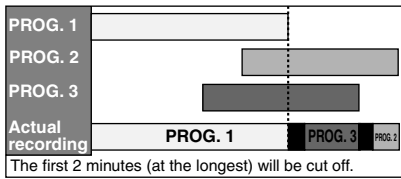
#### If the starting time is same:

- The timer programming set first (PROG. 1) has priority.



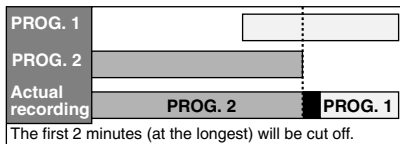
#### When the starting time and the ending time for each programmes are different:

- A programme that has earlier start time has priority.



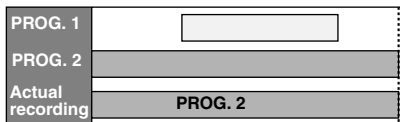
#### If the recording time is partially overlapped:

- The timer programming with the earlier start time (PROG. 2) has priority. PROG. 1 will start after PROG. 2 recording is complete.



#### If the recording time entirely overlaps:

- The shorter timer programming (PROG. 1) is not recorded.

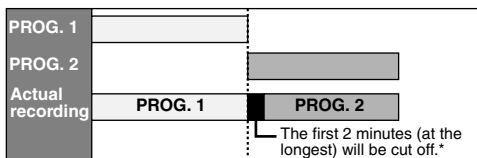


#### Note for DVD recording

- If the recording time of two programmes are overlapped, or the End time of a programme and the Start time of another is same, the first 2 minutes (at the longest) of the subsequent programme will be cut off.

#### If the End time of the programme currently being recorded and the Start time of the subsequent programme are same:

- The beginning of the PROG. 2 may be cut off.



\* If the cut off time exceeds 3 minutes, the error number "E40" will appear in "Timer Programming" list.

## Timer Recording (EPG)

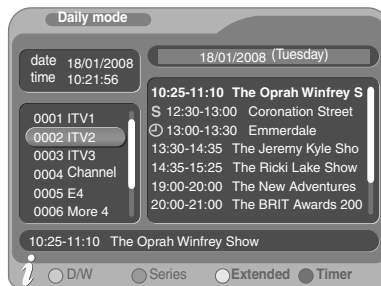


EPG (Electronic programme guide) is an easy-to-use onscreen programme guide that lists all the digital TV programmes available in your area. With EPG, it allows much easier timer programming of digital channels.

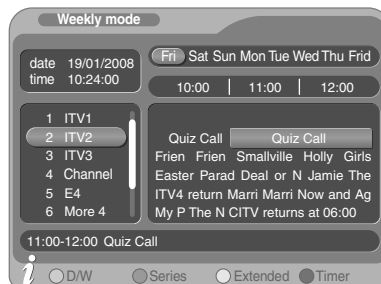
### 1 While viewing a digital TV programme, press [GUIDE].

List of digital TV programmes will be displayed.

e.g.) Daily mode



Press [RED] to display "Weekly mode".



Press [YELLOW] to display "Extended".



### 2 Select a desired programme using [▲ / ▼ / ◀ / ▶], then press [OK] or [BLUE].

"Timer Programming" menu appears.

### 3 Set "End", "REC To", "Mode" and "STTL" using [▲ / ▼ / ◀ / ▶], then press [OK].

#### Note

- EPG timer recording will stop if the broadcaster sends the EPG programme end or if you press [STOP] on the front panel or press [STOP] on the remote control.

## Series Link Timer Recording



With the EPG system, when you can program a timer recording for a TV programme, you can also set timer recording for future episodes of a TV series. It is also possible to set for the broadcaster to recommend related programmes to you.

### 1 Press [BLUE] while displaying EPG.

- List of digital programmes will be displayed.

### 2 Select a desired programme using [▲ / ▼ / ◀ / ▶], then press [GREEN].

- Subsequent episodes and recommended programme related to the selected TV programme will be displayed in "Series list".

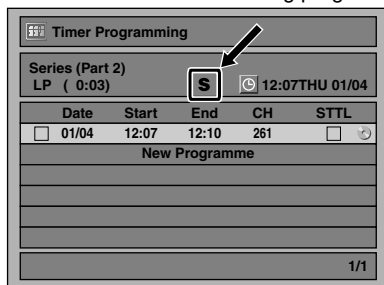
### 3 Press [BLUE] or [OK].



- Use the cursor using [▲ / ▼], then press [YELLOW] to see more detailed information of the selected programme.
- If the programmes in "Series list" was already set for timer recording, "⊕" or "S" will be displayed. "♥" refers to recommended programme related to the TV programme.

### 4 Set "REC To", "Mode" and "STTL" using [▲ / ▼ / ◀ / ▶], then press [OK].

- In "Timer Programming" list, "S" will be displayed for the Series Link Timer Recording programmes



#### Note

- If you delete or correct one of the series link timer recording programmes, all related programmes will be deleted or corrected.
- [GREEN] is available only when the selected programme has the series link tag.
- Series Link Timer Recording always starts from the first available date. If you want to record on specific dates only of the series, please use normal Timer Recording.

#### Recording split programmes

With EPG system, when you set the first part for timer recording, rest of the parts will be automatically set for timer programme.

#### Alternate instance recording

If you set a timer programme that overlaps with another, this unit will search whether the same TV programme is broadcasted in a different time, and if found, you will be asked whether to set a timer programme for it.

## Timer Recording Using the VIDEO Plus+® System



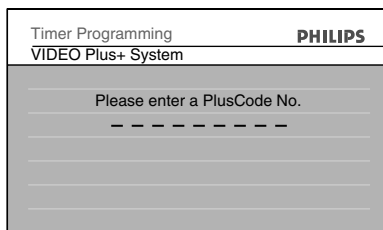
You can program the timer using the VIDEO Plus+ programming numbers that are printed in your local TV guide magazine (analogue channel only).

### 1 In stop mode, press [the VIDEO Plus+ button].

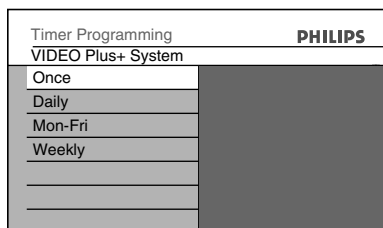
- VIDEO Plus+ Programming window will appear.
- If you have not set the clock, the clock setting window will appear instead. In such a case, continue from step 4 in "Manual Clock Setting" on page 89 before programming the timer recording.
  - If the "Timer Programming" list is full, the "Timer Programming" mode is activated instead of the VIDEO Plus+ programming mode.
  - Press [TIMER] in the VIDEO Plus+ programming mode to switch to the "Timer Programming" mode.
  - Press [the VIDEO Plus+ button] to exit.

### 2 Set the VIDEO Plus+ programming number of the programme you want to record using [Alphanumeric keypad], then press [OK].

- You can clear one letter by pressing [◀] and all the letters by pressing [CLEAR].



### 3 Select the desired recording frequency using [▲ / ▼], then press [OK].



#### Once:

To record a TV programme once, as you set.

#### Daily:

To record a TV programme at the same time on the same channel everyday.

#### Mon-Fri:

To record a TV programme at the same time on the same channel from Monday through Friday.

#### Weekly:

To record a TV programme at the same time on the same channel every week.

### 4 If "----" appears for recording channel, select a recording channel using [▲ / ▼], then press [▶].

- If the channel linking to the VIDEO Plus+ code is installed in the unit, its preset number will be indicated in the menu.
- If your local channel information is not programmed in the unit's memory, "----" may appear.
- If you select the channel number using [▲ / ▼], it is stored in the unit's memory (only analogue channels). If not, "----" may appear.
- If necessary, correct the information as you wish.

### 5 Press [TIMER] when all information required is entered.

## Overwriting from the Beginning of the Title



You can overwrite the existing title from the beginning.

### 1 Load the disc that includes a title to be overwritten.

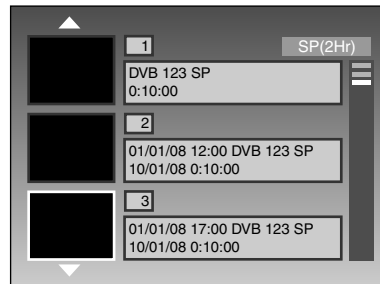
Title list will appear.

If the title list does not appear, press [TITLE].

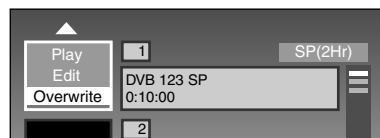
### 2 Press [REC MODE] to select a recording mode.

Refer to "Recordable Discs" on page 25.

### 3 Use [▲ / ▼] to select a title to be overwritten, then press [OK]



### 4 Use [▲ / ▼] to select "Overwrite", then press [OK]



### 5 Select the channel you want to record.

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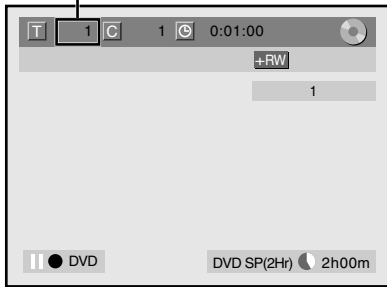
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Refer to page 23 on how to select a channel.  
selected title number to be overwritten



**6 Press [● (RECORD)].**

Overwriting recording starts.  
The elapsed-time counter starts running.

**7 Press [■ (STOP)] to stop recording.**

Title name is also overwritten.

**Note**

- The remaining recording time is displayed on the bottom right corner of the TV screen during overwriting.

**Overwriting in the Middle of the Title**



You can overwrite the existing title from the selected position.

**1 Follow the steps 1 to 3 of “Overwriting from the Beginning of the Title” on page 35.**

**2 Use [▲ / ▼] to select “Play”, then press [OK].**

Playback will start.

**3 Press [II (PAUSE)] at the point from which you want to start overwriting.**

**4 Press [● (RECORD)].**

**5 Select the channel you want to record.**

Refer to page 23 on how to select a channel.

**6 Press [● (RECORD)] again.**

Overwriting recording starts.

**7 Press [■ (STOP)] to stop recording.**

**Note**

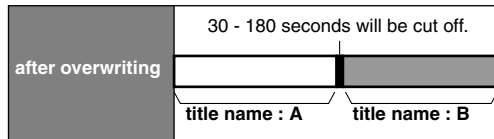
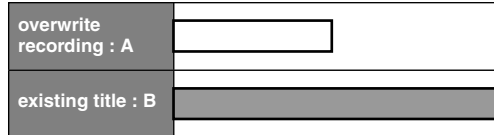
- Recording mode of the overwriting title is the same as that of the original (overwritten) title.
- Title name will not be overwritten.

**Hints for Overwriting**

When you overwrite a Title, take note of following scenarios mentioned. Do note the scenarios is for overwriting without recording mode discrepancy. To avoid accidental deletion please check that there is no important title after selected point before overwriting.

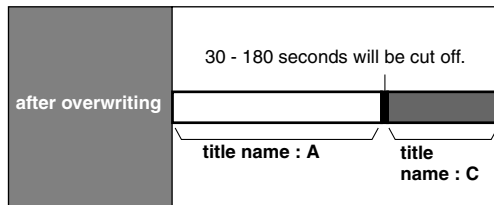
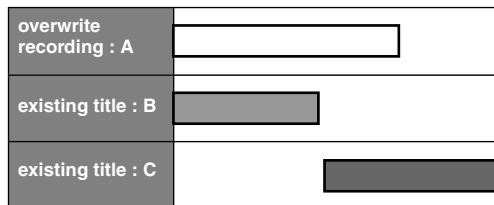
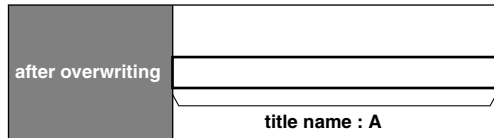
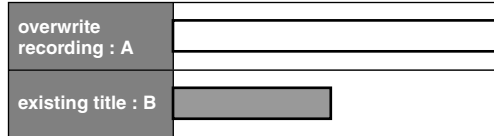
**When overwriting title is shorter than the existing title:**

(overwriting from the beginning of the title)



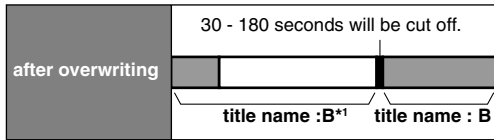
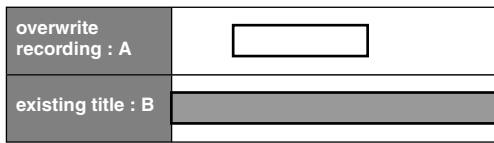
**When overwriting title is longer than the existing title:**

(overwriting from the beginning of the title)





When overwriting in the middle of the title:



\*Overwritten section and the rest of the sections will have the same title name as the original existing title (B).

#### Note

- When a title is overwritten, it will split up the title into the existing title and the new overwrite title. NO chapter mark will be inserted.
- "Auto Chapter" interval time is reset at the overwriting start point.
- A chapter mark is put at the beginning of the overwrite title when overwriting in the middle of the title.

## Satellite Recording



You can set the unit to start recording whenever it detects the video scart control from the Cable Box/Satellite Receiver.

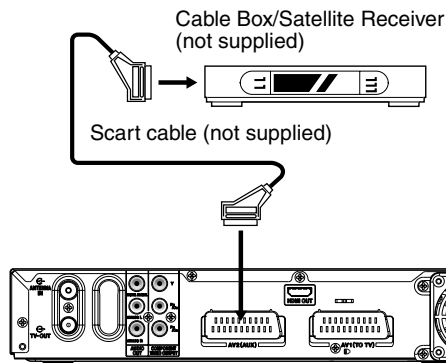
### Preparing for the Satellite Recording:

#### [Preparation of the Cable Box/Satellite Receiver]

- The Cable Box/Satellite Receiver should be equipped with some kind of timer function. program a timer on the Cable Box/Satellite Receiver Box. (Refer to the tuner's manual on how to set the timer.)
- Make sure to turn off the Cable Box/Satellite Receiver when you finish setting.

#### [Preparation of this unit]

- Make sure to select the desired Recording mode beforehand.



**1** In stop mode, press [HDD] then select the recording mode for HDD using [REC MODE].

**2** Press [SAT.REC].

- "Sat" will appear on the front panel display and the unit goes into the Satellite Recording standby mode.



**3** When the Cable Box/Satellite Receiver wakes up due to timer, Satellite recording will start on the unit.

**4** When the Cable Box/Satellite Receiver goes back to standby after timer, Satellite recording stops and unit returns to standby.

To cancel the Satellite Recording function in the Satellite Recording standby mode:

Press [⏻ (STANDBY-ON)] or [SAT.REC] to turn on the unit.

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**To cancel the Satellite Recording function while the Satellite Recording is in progress:**  
 Press **[STOP ■]** on the front panel of the unit, or press **[■ (STOP)]** on the remote control.

**Note**

- If the satellite recording starts when the power is on, the TV will switch over to the channel being recorded.
- If you want to use the unit during the satellite recording which starts in standby, press **[⏻ (STANDBY-ON)]** to switch the input on your TV to the recorder source.
- Recording picture will be distorted if the copy protection signal is being detected during Satellite Timer Recording.
- **[SAT.REC]** does not work under the following circumstances:
  - "HOME" menus are displayed.
  - "Timer Programming" menu is displayed.
  - Title list or any file list is displayed.
- When a regular Timer Recording and the Satellite Timer Recording are overlapped, the examples are given below.

	Example 1
Timer Recording	
Satellite Recording	
Actual Recording	

	Example 2
Timer Recording	
Satellite Recording	
Actual Recording	

	Example 3
Timer Recording	
Satellite Recording	
Actual Recording	

## Settings for External Equipment

### Video Standard

When you record from external equipment, you can set the format Auto, PAL or SECAM.

- 1** In stop mode, press **[HOME]**. Select "General Settings" using **[▲ / ▼]**, then press **[OK]**.
- 2** Select "Recording" using **[▲ / ▼]**, then press **[OK]**.
- 3** Select "Video Standard" using **[▲ / ▼]**, then press **[OK]**.
- 4** Select "Auto", "PAL" or "SECAM" using **[▲ / ▼]**, then press **[OK]**.

General Settings	PHILIPS
Recording	Video Standard
Auto Chapter	Auto
Auto Finalise	PAL
Make Rec. Compatible	SECAM
Recording Language	
External Input Audio	
Video Standard	

**Auto** : The Video Standard will be set automatically according to the recording material.

**PAL** : The Video Standard will be set to PAL.

**SECAM**: The Video Standard will be set to SECAM.

- 5** Press **[HOME]** to exit.

**Note**

- During recording, when a signal other than PAL or SECAM is detected, an error message appears on the screen and recording will be paused. Recording will be resumed when a PAL or SECAM signal is detected.

### Recording from External Equipment



Before recording from external equipment, see page 19 for connection instructions.

- 1** Turn on the TV and the unit, and select the input of the TV to which the unit is connected.

If you are recording to the HDD, press **[HDD]**.  
 If you are recording to a disc, press **[DVD]** and insert a recordable disc.

## 2 Select the input terminal to which the external equipment is connected (AV1, AV2, or AV3).

To use the input jacks on the rear of the unit, select "AV1" or "AV2" position by pressing [SOURCE] or [PROGRAM + / -].

To use the input jacks on the front of this unit, select "AV3" position by pressing [SOURCE] or [PROGRAM + / -].

## 3 Select a recording mode using [REC MODE]. (See page 25.)

## 4 Press [RECORD] on the unit to start recording.

## 5 Ensure external equipment is turned on and at correct state for recording. Refer to Equipment instruction manual.

## 6 Press [STOP ■] on the unit to stop recording.

### Note

- During recording, recording will be paused when a signal other than PAL or SECAM is detected. (See "Video Standard" on page 38 for details.)
- If the external equipment (e.g. cable box, Canal+ decoder) is connected to AV2, the picture of the external equipment will be output except during the DVD playback of this unit. Turn off the external equipment or press [DISPLAY] to output the picture of this unit.

## Information on Digital Video Dubbing

This function helps you to dub the contents in the DVC (digital video camera) to HDD or DVD easily. You can control basic operations of the DVC from the remote control of this unit if the DVC is in video mode.

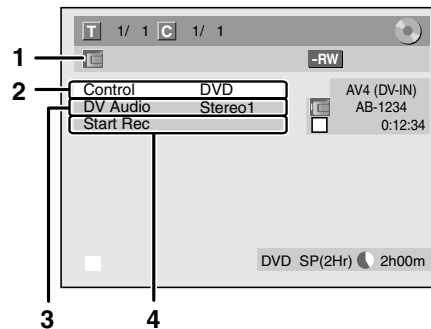
### Guide to DV and On-Screen Display

#### 1 Connect your DVC to the DV IN jack on the front panel using a DV cable. (Use the DV cable that has 4-pin input jack and is compliance with the IEEE 1394 standards.)

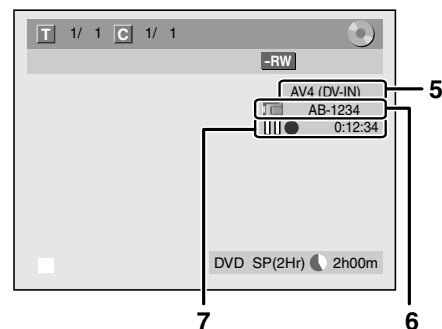
#### 2 Press [PROGRAM + / -] or [SOURCE] and [PROGRAM + / -] to select the appropriate external input channel for DV IN jack (AV4).

#### 3 Press [DISPLAY] to display the DVC information on the screen.

When the DVC is in video mode...



When the DVC is in camera mode...



The menu changes according to the mode of DVC. Switch the mode on the DVC to video mode for the dubbing information.

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The following instructions are described with the operations using the remote control of this unit.

### 1 DV icon

#### 2 Indicator of active device

- With "Control" highlighted, press [OK] to display the available devices to control with the remote control of this unit. Select the device you want to operate using [▲ / ▼], then press [OK].
- Select "HDD" / "DVD" to control this unit with the remote control of this unit.
- Select "DVC" to control your DVC with the remote control of this unit.

#### 3 Recording audio mode

- "DV Audio" can be changed. With "DV Audio" selected, press [OK] to display "DV Audio" menu. Select the audio you want to output using [▲ / ▼], then press [OK].
- Select "Stereo1" to dub the stereo sound.
- Select "Stereo2" to dub the sound that was added after the recording.
- Select "Mix" to dub the stereo1 and stereo2.

#### 4 Command menu

- "Start Rec" or "Pause Rec" will appear.

















#### 5 External input channel

#### 6 Product name of your DVC

- If the unit cannot recognise the input signal from the DVC or if it is the unknown product, "No Device" or "\*\*\*\*\*" will appear instead.

#### 7 Status of the current operation and the time counter

Each icon means (Available icons may vary depending on the DVC):

- DVC is in stop mode.
-  DVC is in playback mode.
-  DVC is in pause mode.
-  DVC is fast forwarding. (standard speed)
-  DVC is fast forwarding. (faster than above)
-  DVC is fast forwarding. (faster than above)
-  DVC is slow forwarding. (standard speed)
-  DVC is slow forwarding. (faster than above)
-  DVC is slow forwarding. (faster than above)
-  DVC is fast forwarding. (without picture)
-  DVC is fast reversing. (without picture)
-  DVC is fast reversing. (standard speed)
-  DVC is fast reversing. (faster than above)
-  DVC is fast reversing. (faster than above)
-  DVC is in slow reverse playback.
-  DVC is in recording.
-  DVC is in recording pause mode.

- The actual speed varies depending on your digital video camera.

Please also read the operating instructions of your DVC for more information.

## Digital Video Camera to HDD / DVD Dubbing



Before recording from DVC, see page 19 for connection instructions.

#### Preparing for DV dubbing (DVC to HDD):

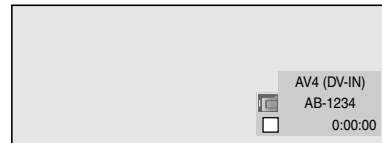
- Make sure your DVC is in video mode.

#### Preparing for DV dubbing (DVC to DVD):

- Insert a recordable DVD.
- Make sure your DVC is in video mode.

If you are dubbing to the HDD, press [HDD] first.  
If you are dubbing to a disc, press [DVD] first.

### 1 Select "AV4 (DV-IN)" channel using [PROGRAM + / -] or [SOURCE] and [PROGRAM + / -].

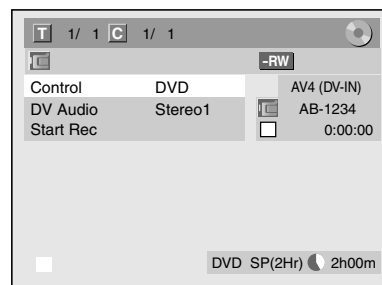


### 2 Press [REC MODE] to select a recording mode. (See page 25.)

### 3 Press [DISPLAY].

### 4 With "Control" highlighted, press [OK] to display the available devices to control with the remote control of this unit. Select "DVC" using [▲ / ▼], then press [OK].

e.g.) DVC to DVD dubbing



Now you can operate your DVC with the remote control of this unit.

### 5 Press [▶ (PLAY)] to start playing back the DVC, and find where you want to start dubbing. Press [■ (STOP)] when it comes to the desired start point.

## 6 Select “Start Rec” using [ $\blacktriangle$ / $\blacktriangledown$ ], then press [OK].

The dubbing will start.

### To stop dubbing;

- 1 Select “Control” using [ $\blacktriangle$  /  $\blacktriangledown$ ], then press [OK].
- 2 Select “HDD” / “DVD” using [ $\blacktriangle$  /  $\blacktriangledown$ ] (whichever the recording component you are using), then press [OK].
- 3 Press [ $\blacksquare$ ] (STOP).

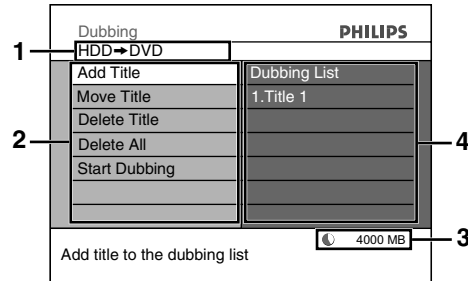
#### Note

- The unit does not send out the output signal to DVC.
- For the proper operation, connect DVC to the unit directly. Do not connect this unit and DVC via any other unit.
- Do not connect more than one DVC.
- The unit can only accept DVC. Other DV device such as cable/satellite box or D-VHS VCR cannot be recognised.
- If no video signal is detected from the DVC during DVC to HDD or DVD dubbing, the recording will be paused and “●” will flash on the TV screen. The recording will resume when the unit detects the video signal again.
- When the DVC is in camera mode, refer to “Guide to DV and On-Screen Display” on pages 39 - 40.
- Pictures with a copy-guard signal cannot be recorded.
- A DV terminal is a terminal that can use the transmission mode conforming to the IEEE 1394 standards called “Fire Wire”. It serves as the interface that connects the PC and peripheral device such as “i.LINK” (registered trademark of SONY). It enables digital dubbing between DV devices with little degradation.
- You cannot dub from DVC to both HDD and DVD at the same time.

## Information on Dubbing

You can dub the contents of the HDD to DVD or vice versa. Before you start dubbing, refer to page 26 to see the recording compatibility.

### Guide to Dubbing Menu Display



- 1 Dubbing direction
- 2 Dubbing menu
- 3 Remaining recordable space
- 4 Dubbing list

### Recording Mode for Dubbing

#### “High”:

This unit is compatible with the high speed dubbing from HDD to DVD.

If you dub a title recorded in SLP mode to DVD+R/-R, dubbing speed will be 24 times at the maximum. To perform the high speed dubbing, set the recording mode to “High”.

- Duration of high speed dubbing will vary depending on the recording mode and the title amount.
- High speed dubbing is not available when;
  - recording mode is set to other than “High”.
  - dubbing from a DVD to the HDD.
  - there is not enough space in the DVD.
  - duration of the title is more than 5 hours.
- During dubbing (except for high speed dubbing), you can use [STOP  $\blacksquare$ ] on the front panel or press [ $\blacksquare$ ] (STOP) on the remote control, and any other buttons will be invalid.

#### “Auto”:

When “Auto” is selected as a recording mode, the unit calculates how much time is available on the disc and selects the best recording mode available automatically.

- The recording may be cut short when the available recording space of the disc is too limited.

#### Note

- During normal dubbing, you can watch the playback picture of the title being dubbed (the audio cannot be changed). During high speed dubbing, however, the playback picture will not appear.
- Dubbing of a “copy-once only” programme is not possible with this unit.
- If you stop the dubbing halfway, the contents will be dubbed up to the point where you stop the dubbing (except for the high speed dubbing). With high speed dubbing, nothing will be dubbed if you stop it halfway.
- To stop the dubbing in progress, press [STOP  $\blacksquare$ ] on the front panel or press [ $\blacksquare$ ] (STOP) on the remote control.

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**Other modes**

Refer to page 25 for the information on other modes.

**Before Starting Dubbing**

**Limitation (DVD to HDD):**

- If a copy control signal is detected during dubbing, the dubbing will be stopped.

**Preparing for dubbing (HDD to DVD):**

- Insert a recordable DVD.

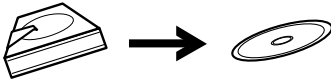
**Preparing for dubbing (DVD to HDD):**

- Insert a disc to be dubbed.
- Discs dubbed with other devices may not be dubbed.

**One-Title Dubbing**

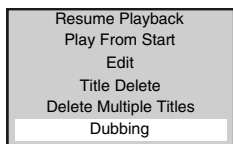


This function lets you select one specific title from the title list for dubbing.

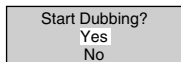


Press [HDD] first.

- 1 Press [TITLE].
- 2 Select a desired title to be dubbed using [▲ / ▼ / ◀ / ▶], then press [OK].
- 3 Select “Dubbing” using [▲ / ▼], then press [OK].



- 4 Select “Yes” using [▲ / ▼], then press [OK].

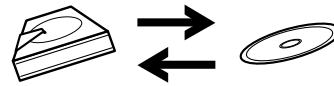


Now you can operate your DVC with the remote control of this unit.

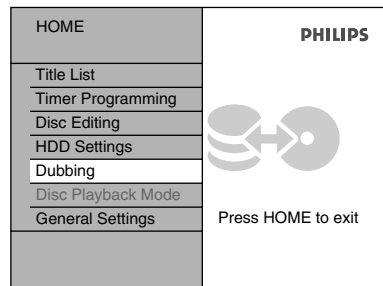
**To stop the dubbing in progress:**

Press [STOP ■] on the front panel.  
Press [■ (STOP)] on the remote control.

**Selected Title Dubbing**

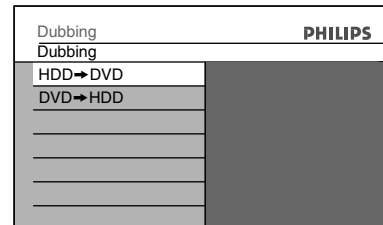


- 1 In stop mode, press [HOME].
- 2 Select “Dubbing” using [▲ / ▼], then press [OK].

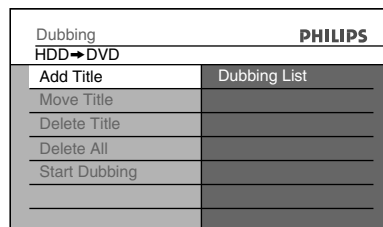


- 3 **HDD→DVD**  
Select “HDD→DVD” using [▲ / ▼], then press [OK].  
**DVD→HDD**  
Select “DVD→HDD” using [▲ / ▼], then press [OK].

e.g.) HDD→DVD



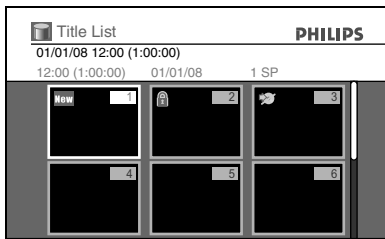
- 4 Select “Add Title” using [▲ / ▼], then press [OK].



- If you have registered any dubbing before, they will be listed in the dubbing title list.

## 5 Select a desired title using [▲ / ▼ / ◀ / ▶], then press [OK].

e.g.) HDD



The title is now registered in the dubbing list.

## 6 Repeat steps 4 to 5 until you register all the titles to be dubbed.

e.g.) HDD→DVD

Dubbing PHILIPS	
HDD→DVD	
Add Title	Dubbing List
Move Title	1.01/01/08 12:00 1
Delete Title	
Delete All	
Start Dubbing	

### To delete a title:

- 1 Select "Delete Title" in the dubbing menu using [▲ / ▼]. Then press [OK].
- 2 Select the desired title in the dubbing list. Then press [OK]. Final confirmation message will appear.
- 3 Select "Yes" using [▲ / ▼], then press [OK].

### To move a title:

- 1 Select "Move Title" in the dubbing menu using [▲ / ▼]. Then press [OK].
- 2 Select the desired title in the dubbing list. Then press [OK].
- 3 Select a desired insert point using [▲ / ▼], then press [OK].

### To erase all the titles in the dubbing title list:

- 1 Select "Delete All" in the dubbing menu using [▲ / ▼], then press [OK].
- 2 Select "Yes" using [▲ / ▼], then press [OK]. Final confirmation message will appear.
- 3 Select "Yes" using [▲ / ▼], then press [OK].

## 7 After adding all the titles you want, select "Start Dubbing" in the dubbing menu using [▲ / ▼], then press [OK].

## 8 Select a desired recording mode using [▲ / ▼], then press [OK].

e.g.) HDD→DVD

Dubbing PHILIPS	
HDD→DVD	
Select Recording Mode	
High	Dub. Titles 500 MB
HQ	
SP	
SPP	
LP	
EP	
SLP	

Confirmation message will appear.

- Depending on the dubbing direction, the available recording mode varies.
- When dubbing from HDD to DVD, you can select "High" to perform the high speed dubbing.

## 9 Select "Yes" using [▲ / ▼], then press [OK].

Dubbing PHILIPS	
HDD→DVD	
Select Recording Mode	
High	Dub. Titles 500 MB
HQ	Start Dubbing?
SP	
SPP	
LP	Yes
EP	No
SLP	

Dubbing will start.

- It may take awhile to prepare for the dubbing. During normal dubbing (except for High speed dubbing), time taken to do the dub may be equal to record duration (for example, 1 hour title means waiting for 1 hour).

### To stop the dubbing in progress:

Press [STOP ■] on the front panel.  
Press [■ (STOP)] on the remote control.

### Note

- Dubbing will be cancelled 2 minutes before starting timer recording.
- During normal dubbing (except for High speed dubbing), time taken to do the dub may be equal to record duration (for example, 1 hour title means waiting for 1 hour).

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## Protecting a Disc



To prevent accidental over-recording, editing or erasing of recordings, you can protect them using Disc Protect Function.

Insert a recordable disc.

- 1** In stop mode, press [HOME].
- 2** Select “Disc Editing” using [▲ / ▼], then press [OK].
- 3** Select “Disc Protect OFF → ON” using [▲ / ▼], then press [OK].
- 4** Select “Yes” using [▲ / ▼], then press [OK].

The disc is protected.

### Note

- You can select only “Disc Protect ON → OFF” when a protected disc is inserted.

To cancel the disc protect:

- Select “Disc Protect ON → OFF” at step 3, then select “Yes”.
- If you insert a disc protected with this unit, “Disc Protect ON → OFF” will appear instead of “OFF → ON”.

## Finalising Discs



You will need to finalise discs to play them back in other units.

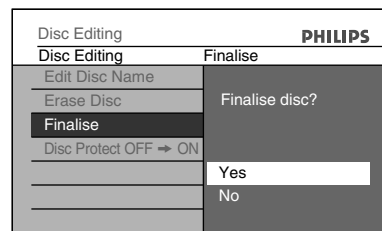
Finalising may take between several minutes and an hour.

A shorter recording period on the disc will require a longer time period for finalisation. Do not unplug the mains cable during finalisation.

Insert a recordable disc before finalising.

- 1** In stop mode, press [HOME].
- 2** Select “Disc Editing” using [▲ / ▼], then press [OK].
- 3** Select “Finalise” using [▲ / ▼], then press [OK].
- 4** Select “Yes” using [▲ / ▼], then press [OK].

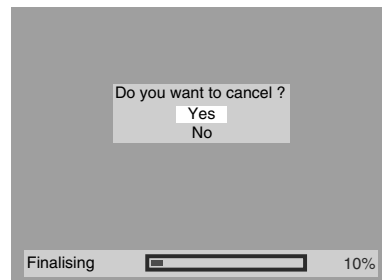
e.g.) DVD-RW disc



Finalising will start.

To cancel finalising (DVD-RW disc only):

At step 4, press [■ (STOP)]. Select “Yes” using [▲ / ▼], then press [OK]. Finalising is cancelled and the unit switches to stop mode.



If “⊗” appears when [■ (STOP)] is pressed, you cannot cancel finalising because the finalising has already reached at a critical point in its process.

If “No” is selected and [OK] or [BACK ↵] is pressed, finalising is continued.

You cannot cancel finalising a DVD+R and DVD-R disc once it has started.

**5** Finalising is complete.



**Hint**

- Once you have finalised DVD+R/-R, you cannot record anything on that disc.
- There is no need to finalise DVD+RW.
- If you insert a DVD-RW disc finalised with this unit, "Undo Finalise" will appear instead of "Finalise". To release the finalisation of the disc, select "Undo Finalise" at step **3**.

**Note**

- DO NOT power off during finalising. This may result in a malfunction.

**Auto Finalise**

You can finalise discs automatically when the disc space runs out if you set this in "Recording" menu.

- 1** In stop mode, press [HOME]. Select "General Settings" using [▲ / ▼], then press [OK].
- 2** Select "Recording" using [▲ / ▼], then press [OK].
- 3** Select "Auto Finalise" using [▲ / ▼], then press [OK].
- 4** Select "ON" using [▲ / ▼], then press [OK].

General Settings		PHILIPS
Recording		Auto Finalise
Auto Chapter	ON	
Auto Finalise	OFF	
Make Rec. Compatible		
Recording Language		
External Input Audio		
Video Standard		

- 5** Press [HOME] to exit.

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# Playback

## Information on Playback

### Playable Discs

You can play back all the discs listed on the right. Before attempting to play back a DVD, make sure it meets the requirements for Region Codes and Colour Systems as described in this section. Discs that bear any of the logos shown below will be played back correctly in this unit. Other disc types are not guaranteed to be played back.

Disc	Logo
DVD-Video	
DVD+RW(Single layer)	
DVD+R(Single/Double layer)	
DVD-RW (Finalised video mode discs only)	
DVD-R (Finalised video mode discs only)	
CD-DA (AUDIO CD)	
video CD	
CD-RW	
CD-R	
Kodak Picture CD	

Playable files	Media
MP3	
Windows Media™ Audio	CD-RW/-R DVD+RW/+R DVD-RW/-R
JPEG	
DivX®	

**DVD** is a trademark of DVD Format/Logo Licensing Corporation.

\* This unit cannot play back the disc contents protected by Windows Media Digital Rights Management (DRM).

### Unplayable Discs

- The following discs will not play back on this unit.
- CD-ROM
  - Compact Disc-Interactive (CD-I)
  - Video Single Disc (VSD)
  - DVD-ROM
  - DVD-RAM
  - DVD-audio
  - Unfinalised disc
  - DVD-RW/-R recorded in VR mode or non compatible recording format
  - Blu-ray Disc
  - HD DVD

On the following disc, the sound may not be heard.

- Super audio CD - Only the sound on the CD layer can be heard. The sound on the high-density super audio CD layer cannot be heard.

### Colour Systems

DVDs are recorded using different colour systems throughout the world. The most common colour system, used primarily in the U.K. and other EU countries, is PAL.

This unit uses the PAL system. However, it is also possible to play back DVDs using other colour systems, such as NTSC.

### Region Codes

This unit has been designed to play DVD with region 2. DVD must be labelled for All regions or for region 2 in order to play on the unit. You cannot play back DVDs that are labelled for other regions. Look for the symbols on the right on your DVD. If these region symbols do not appear on your DVD, you cannot play back the DVD in this unit. The number inside the globe refers to region of the world. A DVD labelled for a specific region can only play back on a unit with the same region code.



### PBC Function for Video CDs



This unit conforms to ver.1.1 and ver.2.0 of the Video CD standard playback control (PBC) function. This enables you to play back interactive software using menu screens. Refer to the information accompanying the Video CD.

Ver.1.1 (without PBC function): You can still enjoy playback of pictures and music from the CD.

Ver.2.0 (with PBC function): "Pbc" will appear on the screen and display when playing back a Video CD with the PBC function.

#### Hint

- When playing back Video CDs with the PBC function, "Pbc" is displayed instead of the playing back time and current track indications on the front panel display.

**Note**

- Some operations cannot be performed unless the function is cancelled either automatically or intentionally by you.
- Operations that are not available when the PBC function is set to "ON" are indicated by the following symbol in this manual:



**Cancelling and Recalling the PBC Function**



Insert a Video CD.

- 1 In stop mode, press [HOME].
- 2 Select "Disc Playback Mode" using [▲ / ▼], then press [OK].
- 3 Select "PBC (Video CD only)" using [▲ / ▼], then press [OK].

Disc Playback Mode	PHILIPS
Disc Playback Mode	
Random Play	ON
Programme Play	OFF
PBC (Video CD only)	
Slideshow Interval	

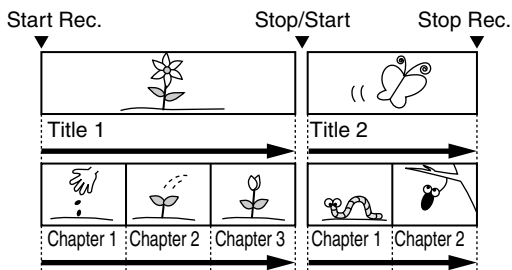
- 4 Select "OFF" using [▲ / ▼], then press [OK].
- 5 Press [HOME] to exit.  
To recall the PBC function, select "ON" at step 4 above.

**Note**

The default setting of "PBC (Video CD only)" is "ON".

**Hint for HDD / DVD Playback**

The contents of an HDD / DVD are generally divided into titles. Titles are sometimes further subdivided into chapters.



**Basic Playback**

**Direct Playback**



- 1 Press [⏻ (STANDBY-ON)] to turn on the unit.

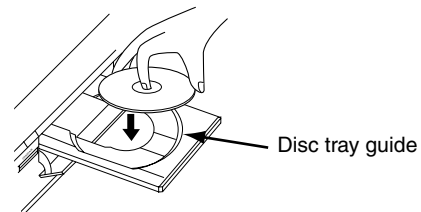
Turn on the TV and be sure to select the input to which the unit is connected.

If you are playing back the titles in HDD, press [HDD] first, then proceed to step 5.

If you are playing back the titles in DVD, press [DVD] first.

- 2 Press [⏏ (OPEN/CLOSE)] to open the disc tray.

- 3 Place the disc on the disc tray with its label facing up. Be sure to align the disc with the disc tray guide.



- 4 Press [⏏ (OPEN/CLOSE)] to close the disc tray.

- 5 Press [▶ (PLAY)] to start playback.

If you are playing back a DVD-video or video CD with PBC function, a menu may appear. See on pages 46 - 47 and 53.

- 6 Press [■ (STOP)] to stop playback temporarily.

Refer to "Resume Playback" on page 54.

To eject the disc, press [⏏ (OPEN/CLOSE)] to open the disc tray, then remove the disc. Press [⏏ (OPEN/CLOSE)] to close the disc tray before turning off the unit.

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## Playback from the Title List



If you are playing back the titles in HDD, press **[HDD]** first, then proceed to step 2.

If you are playing back the titles in DVD, press **[DVD]** first.

### 1 Follow steps 1 to 4 in “Direct Playback” on page 47.

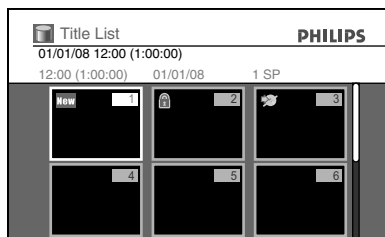
\* Make sure the disc is compatible with this unit.  
(Refer to page 46 for the list of compatible discs.)

### 2 For HDD, press **[TITLE]** to call up the title list. For DVD, the title list will automatically appear when you insert a disc. Otherwise, press **[TITLE]** or **[DISC MENU]**.

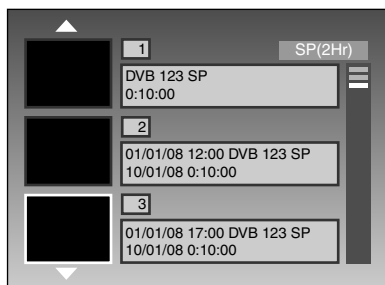
- To exit the title list, press **[STOP]**.
- To resume the title list, press **[TITLE]**.

### 3 Use **[▲ / ▼ / ◀ / ▶]** to select a desired title, then press **[OK]**.

<HDD title list>



<DVD title list>



- For Video CD, when “PBC (Video CD only)” in “Disc Playback Mode” menu is set to “ON”, the video CD main menu will appear when inserting a disc. In such case, select a numbered menu with **[Alphanumeric keypad]**.
- Press **[▶] (NEXT)** (for HDD) / **[▶] (NEXT)** (for DVD) to display the next page, and press **[◀] (PREV)** (for HDD) / **[◀] (PREV)** (for DVD) to display the previous page.

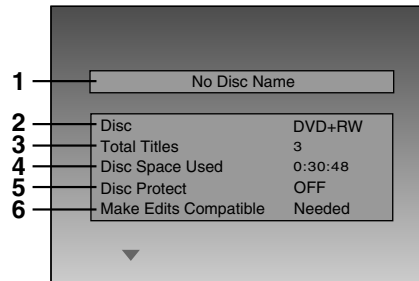
#### Note

- Some discs may start playback automatically.
- You can also start playback by pressing **[▶] (PLAY)** instead of **[OK]** at step 3.

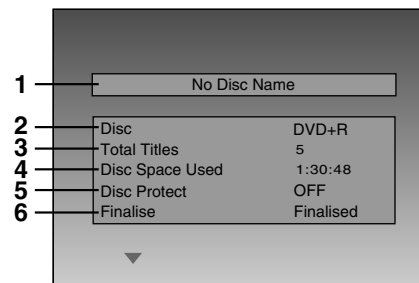
## Note for DVD Title List

If you want to see disc information, press **[◀]** when the first page of the title list is displayed or press **[▲]** when the first title is selected but not when “Play”, “Edit” or “Overwrite” is highlighted.

e.g.) DVD+RW



e.g.) DVD+R



- 1. Disc name**  
(Default “No Disc Name”)
- 2. Disc type**  
(DVD+RW/DVD+R/ DVD-RW/DVD-R)
- 3. Total number of title**  
(include “EMPTY TITLE”)
- 4. Total time of recorded disc space**
- 5. Status of disc protection**  
(“ON” is protected disc.)
- 6. Making edits compatible/finalise**
  - When DVD+RW is inserted:  
If the disc needs to be set “Make Edits Compatible”, “Needed” is displayed. Otherwise, “Not Needed” is displayed. (Refer to page 72.)
  - When DVD+R, DVD-RW or DVD-R is inserted:  
If “Finalise” is done, “Finalised” is displayed. Otherwise, “Unfinalised” is displayed.

**4 Use [▲ / ▼] to select “Play” (for DVD), or select “Resume Playback” or “Play From Start” (for HDD), then press [OK].**

e.g.) DVD+R



Playback will start.

**5 Press [■ (STOP)] once to stop playback temporarily.**

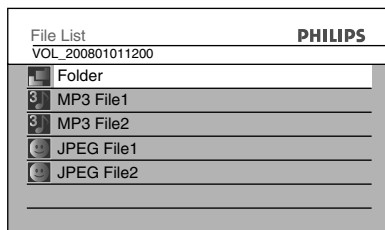
Refer to “Resume Playback” on page 54.

### Playing Back an Audio CD, MP3, Windows Media™ Audio or JPEG



**1 Follow steps 1 to 4 in “Direct Playback” on page 47.**

The “File List” will appear.



To exit the “File List”, press [TITLE] or press [■ (STOP)].

To resume the “File List”, press [TITLE].

**2 Press [▲ / ▼] to select the desired folder or track / file, then press [OK].**

**If a track / file is selected:**

Playback will start.

**If a folder is selected:**

The files in the folder will appear.

Press [▲ / ▼] to select the folder you want, then press [OK].

- Press [▶ (PLAY)], [OK] or [▶] to move to any lower folders.
- Press [◀] or [BACK ↶] to move back to the folder above.
- Press [DISPLAY] to view information of MP3.

**Hints for Audio CD tracks and MP3 / Windows Media™ Audio / JPEG files:**

- Folders are shown with the [ ] icon.
- Audio CD tracks are shown by [ ] icon.
- MP3 files are shown with the [ ] icon. Playback will start from the selected track and continue with each one after.
- Windows Media™ Audio files are shown by [ ] icon.
- JPEG files are shown with the [ ] icon.
- The unit can recognise up to 255 folders and up to 99 tracks / 999 files.
- Letters of a file / folder name overflowing the given space will be displayed as “...”.
- Unplayable folders and tracks / files may be displayed depending on the recording conditions.
- For MP3 file recorded in Variable Bit Rate (VBR), the unit may not display the actual elapsed time.
- If there are no files in the folder, “No Files” is displayed.
- High resolution or large-size JPEG files take a few moments to be displayed.
- It is not possible to play back progressive JPEGs (JPEG files saved in progressive format) on this unit.
- It is not possible to play back JPEG files of 12 MB or more.

**It is recommended that files to be played back in this unit are recorded under the following specifications:**

[MP3 / Windows Media™ Audio]

- Sampling frequency : 44.1 kHz or 48 kHz
- Constant Bit Rate : 112 kbps to 320 kbps

[JPEG] Size of picture

- Upper limit : 6,300 x 5,100 dots
- Lower limit : 32 x 32 dots
- Capacity limit : less than 12 MB

**Note**

- MP3 files cannot be recorded as digital sound using an MD or DAT deck.
- Files with extensions other than “.mp3 (MP3)”/ “.wma (Windows Media™ Audio)” or “.jpg / .jpeg (JPEG)” will not be listed in the “File List”.
- Some folders or tracks listed in the File List may be unplayable due to their recording status.
- The “File List” displays only up to 8 folders and file names.

**Notes on JPEG:**

After file is displayed for 5 seconds or 10 seconds (set in the “Slideshow Interval” on page 60), the display moves to the next file.

During JPEG playback, press [▶] or [◀] to rotate a picture 90 degrees clockwise or counterclockwise respectively. (Not available when the display menu appears.)

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## Kodak Picture CD

The Picture CD is a service to convert photographs taken by a conventional film camera into digital data and write the data on a CD. You can enjoy picture images on the TV set by playing back the Picture CDs.

For details of Kodak Picture CD, contact a shop that provides developing service of Kodak Inc.

Press [DVD] first.

### 1 Press [TITLE].



- To exit the Picture CD thumbnail List, press [TITLE], [■ (STOP)] or [BACK ↵].

The track number of the items currently played back is highlighted.

Use [▲ / ▼ / ◀ / ▶] to move among the pictures one by one and use [▶(NEXT)] / [◀(PREV)] to the next / previous page.

### 2 Press [▲ / ▼ / ◀ / ▶] to select a desired track to be played back, then press ▶ (PLAY) or [OK].

An image will be played back from the selected track and go to the next one in turn.

### 3 Press [■ (STOP)] to stop playback.

#### Notes on JPEG or Kodak Picture CD:

After track is displayed for 5 seconds or 10 seconds (set in the "Slideshow Interval" on page 60), the display moves to the next file.

During JPEG or Kodak Picture CD playback, press [▶] or [◀] to rotate a picture 90 degrees clockwise or counterclockwise respectively.

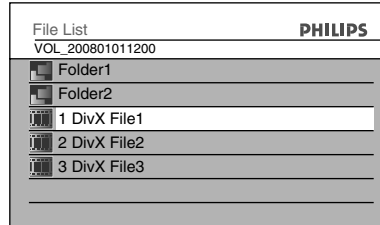
(Not available when the display menu appears.)

## Playing Back a DivX®



### 1 Follow steps 1 to 4 in "Direct Playback" on page 47.

The "File List" will appear.



To exit the "File List", press [TITLE] or press [■ (STOP)].

To resume the "File List", press [TITLE].

### 2 Press [▲ / ▼] to select the desired folder or file, then press [OK].

**If a file is selected:**

Playback will start.

**If a folder is selected:**

The files in the folder will appear.

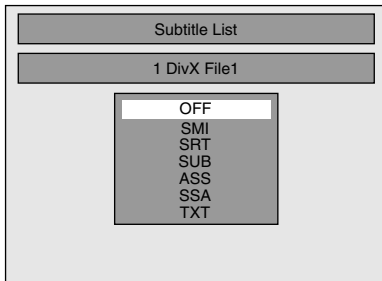
Press [▲ / ▼] to select the file or folder you want, then press [OK].

- Press [▶ (PLAY)], [OK] or [▶] to move to any lower folders.
- Press [◀] or [BACK ↵] to move back to the folder above.

## DivX® Subtitle

The subtitle created by the user can be displayed during DivX® playback.

- 1 After the DivX® media file is selected, “Subtitle List” will appear.



- 2 Select the desired extension of the subtitle file you want to display using [▲ / ▼], then press [OK]. DivX® with the subtitle starts playback. The subtitle cannot be displayed when the setting is “OFF”.

- If there is more than one extension, the extension selection will appear in “Subtitle List”.

### Note

- “DivX Subtitle” must be activated in the DivX Menu. (Refer to “DivX Subtitle” on page 80.)
- Playback file and the subtitle file must have the same name.
- Playback file and the subtitle file must locate in the same folder.
- Only the subtitle files with the following extensions are supported; .smi (.SMI), .srt (.SRT), .sub (.SUB), .ass (.ASS), .ssa (.SSA), .txt (.TXT), (.sub (.SUB) and .txt (.TXT) files may not be recognised.)
- The subtitles that exceed the playback time of the DivX® file will not be displayed.
- “DivX Subtitle” function is invalid if subtitle file does not come with any extension.

## DivX® VOD



This unit allows you to play back the files purchased or rented from DivX® Video-On-Demand (VOD) services. The files are available on the internet. When you purchase or rent DivX® VOD files on the internet, you will be asked to enter a registration code. This menu item provides you with the registration code.

- 1 Press [HOME].
- 2 Select “General Settings” using [▲ / ▼], then press [OK].
- 3 Select “DivX” using [▲ / ▼], then press [OK].

General Settings PHILIPS	
General Settings	
Disc Playback	DivX®VOD
Display	DivX Subtitle
Video	
Recording	
Clock	
Channel	
DivX	

- 4 Select “DivX®VOD” using [▲ / ▼].

Your registration code will appear.



### Note

- One registration code is only valid for one DivX® VOD file.
- You must first download the file from the internet and play it back on this unit before you are able to get another code.
- You must follow this step every time you purchase or rent a DivX® VOD file from the internet.
- For more information for DivX®, please visit <http://www.divx.com/vod>.

It is recommended that files to be played back in this unit are recorded under the following specifications:

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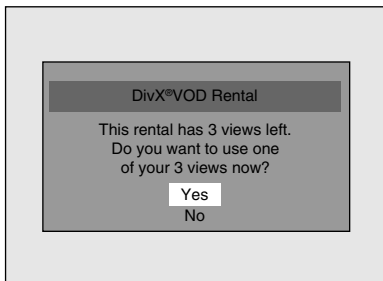
**[DivX®]**

- Official DivX® Ultra Certified product
- Plays all versions of DivX® video (including DivX® 6) with enhanced playback of DivX® media files and the DivX Media Format.
- Discs containing the DivX® files with the DivX® GMC (Global Motion Compensation) playback feature, which is DivX® supplemental function, cannot be played back on this unit.
- Playable Codec of AVI files : DivX®3.x,  
DivX®4.x,  
DivX®5.x,  
DivX®6.x
- Maximum size of image : 720 x 480 @30 fps  
720 x 576 @25 fps
- Sampling frequency of audio : 8 kHz - 48 kHz
- Audio type : MPEG1 audio layer 3 (MP3), MPEG1 audio layer 2, Dolby Digital

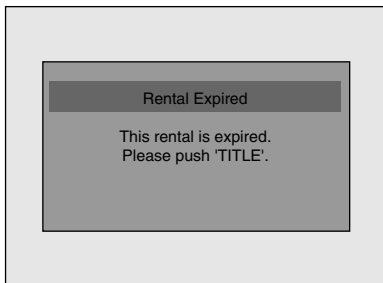
**Hint for the purchased or rental official DivX® Ultra Certified product**

- When you purchased or rental a DivX® file through the official site of DivX® Video which is called DivX® Video-On-Demand (VOD) services, a registration code is required every time you get the new file from the DivX® VOD services. Refer to "DivX® VOD" on page 51.
- Some DivX® VOD files are restricted with the limited playable times (you cannot play them back beyond the limit). If your DivX® VOD file has such limit, the playback confirmation screen will appear.


Use [▲ / ▼] to select "Yes" if you want to play back the file, or to select "No" if you do not want to play it back. Then press [OK] to confirm the selection.

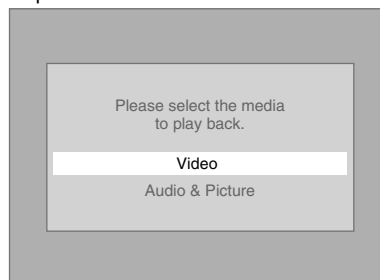


- You cannot play back the DivX® VOD files of which rental period has been expired. In such case, press [TITLE] and select other files that can be played back.

**Hint**

- DivX® is a codec (compression/decompression) that can compress images to a very small amount of data. The software can compress video data from almost any source to a size that can be sent on the Internet without compromising visual quality of the images.

- A file with an extension of ".avi" and ".divx" is called an DivX® file. All files with the ".avi" extension are recognised as MPEG4.
- Files whose extension other than ".avi" and ".divx" will not be listed on the DivX® menu. However, unplayable groups or tracks may be displayed, depending on the recording conditions.
- Even if the file has an extension of either ".avi" and ".divx", this unit cannot play it back if it is recorded in the format other than DivX®.
- Folders are known as Groups; files are known as tracks.
- A symbol of  is shown on the top of the file name.
- A maximum of 255 folders or 999 files may be recognised in one disc.
- Up to 8 hierarchies can be recognised in one folder. Files in the 9th or deeper hierarchies cannot be played back.
- If the track extends beyond the scope of screen, a down arrow "↓" appears, indicating that the user can view another part on the next page. The current page number and the number of total pages are shown on the right of the down arrow "↓".
- Letters of a file / folder name overflowing the given space will be displayed as "...".
- You can play back the disc recorded in multi-session.
- It may take awhile for audio and images to be output after you inserted a disc and pressed [▶ (PLAY)].
- When playing back the files recorded in high bit rates, the images can be interrupted in some occasions.
- Although DivX® logo has been obtained for this unit, it may not be able to play back some data, depending on the characteristics, bit rates, or audio format settings, etc.
- Use the software recognised by the DivX, Inc. when you make DivX® files.
- A DivX® file whose file size exceeds 2 GB cannot be played back.
- If you try to play back the DivX® file that has the screen resolution which this unit does not support, the playback will be stopped and error message will appear.
- If a large-sized DivX® file is selected, it may take awhile (over 20 seconds sometimes) to start the playback.
- If DivX® files written on CD discs cannot be played back, rewrite them on a DVD disc and try to play back.
- For more information for DivX®, please visit <http://www.divx.com>.
- If you insert a CD-RW/-R with DivX® files that are mixed with MP3/Windows Media™ Audio/JPEG files, the Playback Media Selection screen will be displayed. Please select "Video" and proceed to next step.





- Press **[DISC MENU]** to call up the Playback Media Selection screen in stop mode.
- If you select "Audio & Picture" instead of "Video" on the Playback Media Selection screen, this unit can play back MP3/Windows Media™ Audio/JPEG files.
- You cannot play back the DivX® VOD files obtained with different registration codes on this unit. Press **[TITLE]** and select other files that can be played back.
- This unit does not support the DivX® file with UDF format.



## Playing Back Discs Using the Disc Menu



A DVD contains a disc menu, which lists the contents and enables you to customise playback. The menu may offer choices for subtitle languages, special features, and chapter selection. Usually this information appears automatically when you start playback, but sometimes you need to press **[DISC MENU]** to display the menu.

### 1 Press **[DISC MENU]**.

If the feature is not available, "⊗" may appear on the TV screen.

### 2 Select an item using **[▲ / ▼ / ◀ / ▶]**, then press **[OK]**.

Repeat this step until all the features you want are set up or to start playing back the disc from the menu. The following operations are available.

#### **[DISC MENU] button:**

Displays the disc menu, which will vary among discs, and may be same with the Title menu.

#### **[▲ / ▼ / ◀ / ▶] buttons:**

Move the cursor from item to item on the screen.

#### **[OK] button:**

Selects the currently highlighted menu option.

#### **[Alphanumeric keypad]:**

Selects a numbered menu option (available on certain discs).

### 3 Press **[DISC MENU]** to exit the disc menu.

#### **Note**

- Menus vary among discs. Refer to the information accompanying the disc for details.

## Playing Back a Disc Using the Title Menu



Some DVDs have a Title menu, which lists the titles available on the DVD. You can start playing back such discs at a specific title.

### 1 Press **[TITLE]**.

The "Title Menu" will appear.

- For some discs, the "Title Menu" appears automatically.

If the feature is not available, "⊗" may appear on the TV screen.

### 2 Select a desired item using **[▲ / ▼ / ◀ / ▶]**, then press **[OK]**.

The disc will start playing back at the title you selected. The following operations are available.

#### **[TITLE] button:**

Displays the DVD "Title Menu" which will vary between discs.

#### **[▲ / ▼ / ◀ / ▶] buttons:**

Move the cursor from item to item on the screen.

#### **[OK] button:**

Selects the currently highlighted menu option.

#### **[Alphanumeric keypad]:**

Selects a numbered menu option (available on certain discs).

### 3 Press **[■ (STOP)]** to exit.

#### **Note**

- **[TITLE]** will not be available for some DVDs.
- Menus vary among discs. Refer to the information accompanying the disc for details.

## Playing Back a DivX® Video File Using the Title Menu



### 1 Select a desired file using **[▲ / ▼]**, then press **[▶ (PLAY)]** or **[OK]**.

### 2 If the "Title Menu" is available on the file, audio language, subtitle options, chapter for the title and other options will appear for selection.

### 3 Select desired item using **[▲ / ▼ / ◀ / ▶]**, then press **[OK]**.

#### **[TITLE] button:**

Displays "File List" for DivX® video files.

#### **[DISC MENU] button:**

Displays "Title Menu" for DivX® video files.

#### **[▲ / ▼ / ◀ / ▶] buttons:**

Move the cursor from item to item on the screen.

#### **[OK] button:**

Selects the currently highlighted menu option.

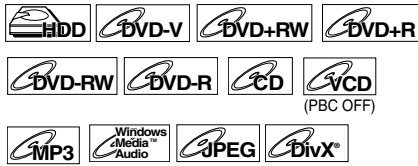
#### **[Alphanumeric keypad]:**

Selects a numbered menu option (available on certain discs).

### 4 Press **[TITLE]** or **[■ (STOP)]** to exit.

## Additional Playback Functions

### Resume Playback



You can resume playback from the point where you stopped it before.

#### 1 During playback, press [■ (STOP)].

The resume message will appear.

#### 2 Press [▶ (PLAY)].

In a few seconds, playback will resume from the point at which you stopped it before. Even if you turn off the unit, you can resume playback at the same point after turning back on the unit.

For title in the HDD, you can also play from the resume point by selecting "Resume Playback" at step 5 of "Direct Playback" on page 47.

#### To cancel the resume playback:

Press [■ (STOP)] while playback is stopped.

#### For HDD:

You can set a resume point per every title.

For DVD-Videos, DVD+RW/+R, DVD-RW/-R, Video CD, Audio CD, MP3 files, JPEG files, and DivX® files:

You can set only one resume point per disc.

#### Note

- For Video CDs, if you turn PBC on using "HOME" menu, the resume function is cancelled.
- For MP3 / Windows Media™ Audio / JPEG files, playback will resume from the beginning of the track at which playback was stopped.
- When you press [■ (STOP)] during resume playback, the front panel display will show the elapsed time of the video.

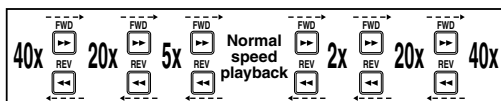
### Fast Forward / Fast Reverse



#### 1 During playback, press [▶▶ (FFW)] or [◀◀ (REW)].

Each time you press [▶▶ (FFW)] or [◀◀ (REW)], the approximate speed will change as follows.

Fast forward or fast reverse playback across titles (for DVDs) or tracks / files (for Video CD / MP3 / Windows Media™ Audio / DivX®) is not possible.



- For Audio CDs and MP3 files approximate speed is fixed at 8x with sound.
- For Video CDs, approximate forward / reverse speeds are 2x, 8x and 16x.
- For DivX® files, approximate forward speeds are 2x, 20x and 40x, and approximate reverse speeds are 5x, 20x and 40x.
- To return to playback at normal speed, press [▶ (PLAY)].
- Picture quality of DivX® files in fast reverse is lower than that in fast forward.
- For some DivX® files, Fast forward/Fast reverse may not function.

#### Hint

- Forward / reverse speeds are indicated with icons as follows.

Forward (Approx. Speed):

2x: ▶▶

20x: ▶▶▶▶

40x: ▶▶▶▶▶▶

Reverse (Approx. Speed):

5x: ◀◀

20x: ◀◀◀◀

40x: ◀◀◀◀◀◀

### Skip & Replay



During playback, you can skip forward or backward by the amount of time you set in "Disc Playback" menu. To set the time amount, refer to "Skip/Replay Interval" on pages 77 - 78.

During playback, press [SKIP] if you want to skip forward. Press [REPLAY] if you want to skip backward.

### Pause



#### 1 During playback, press [⏸ (PAUSE)].

Playback will pause with the sound muted.

#### 2 Press [▶ (PLAY)] to resume playback.

## Step by Step Playback



- 1 During playback, press [II (PAUSE)].
- 2 Press [◀ (PREV)] / [▶ (NEXT)] repeatedly.

Each time you press [▶ (NEXT)], playback will go forward one frame (or step) at a time with the sound muted.

To go backward one frame (or step), press [◀ (PREV)].

Press and hold [▶ (NEXT)] to continue going forward.

To continue going backward, press and hold [◀ (PREV)].

- 3 Press [▶ (PLAY)] to resume playback.

### Note

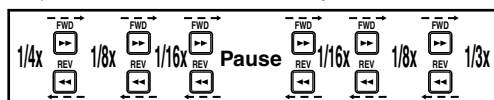
- Only step by step forward is available when playing back Video CDs and discs with DivX® files.

## Slow Forward / Slow Reverse Playback



- 1 During playback, press [II (PAUSE)], then press [▶▶ (FFW)] or [◀◀ (REW)].

Each time you press [▶▶ (FFW)] or [◀◀ (REW)], the approximate speed changes as follows. (The sound will remain muted.)



To return to normal playback, press [▶ (PLAY)].

### Hint

- Forward / reverse speeds are indicated with icons as follows.

Forward (Approx. Speed):

1/16x: ▶▶▶

1/8x: ▶▶▶▶

1/3x: ▶▶▶▶▶

Reverse (Approx. Speed):

1/16x: ◀◀◀

1/8x: ◀◀◀◀

1/4x: ◀◀◀◀◀

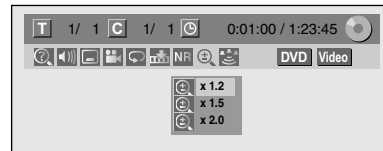
### Note

- For some DivX® files, Slow forward may not function.
- Only slow forward is available when playing back Video CDs and discs with DivX® files.

## Zoom



- 1 During playback, press [DISPLAY].
- 2 Select the [🔍] icon using [◀ / ▶], then press [OK].



Four options are available, "x 1.0", "x 1.2", "x 1.5" and "x 2.0". These are displayed excluding the current zoom rate.

- 3 Select the desired zoom factor to zoom using [▲ / ▼], then press [OK].

The zoom area is displayed.

- 4 Select the desired zoom position using [▲ / ▼ / ◀ / ▶], then press [OK].

Zoom playback will start.

### Hint

- To cancel the zoom function, select "x 1.0" using [▲ / ▼], then press [OK].

### Note

- If selecting a smaller factor than that currently selected, the zoom area is not displayed.
- You cannot slide the zoomed picture on some JPEG files.

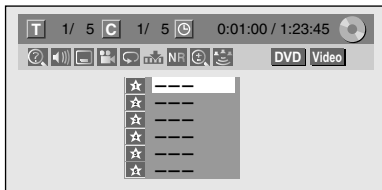
## Marker Setup



You can assign a specific point on a disc to return later.

- 1 During playback, press [DISPLAY].
- 2 Select the icon using [◀ / ▶], then press [OK] within 1 second, or wait for 1 second to display the marker list.

e.g.) Marker setup menu for DVD-Video



- 3 Select the desired marker number using [▲ / ▼]. When the disc reaches the desired point, press [OK].

The title (track) number and the time are displayed.

- 4 To return to the marker, select the desired marker number using [▲ / ▼], then press [OK].

### Hint

- To clear a marker, select the marker number you want to clear, then press [CLEAR].
- You can mark up to 6 points.

### Note

- All markers are erased when you perform the following operations.
  - Opening the disc tray (CD/DVD only)
  - Turning off the power (CD/DVD only)
  - Making additional recording on the disc (DVD only)
  - Editing any title (DVD only)
  - Dividing the title (HDD only)
  - Deleting a scene of the title (HDD only)
- Marker setting is not available when you play back the Video CD with PBC function.

## FlexTime Function



To play back a title being recorded while continuing to record:

You can play back from the beginning of a title that is currently being recorded to.

- 1 During recording, press [▶ (PLAY)].

Playback of the title you are recording will start from the beginning.

- Elapsed playback time will be displayed on the front panel display.

- 2 To stop the playback, press [■ (STOP)] **once**.

The front panel display will switch back to show the elapsed recording time.

If you press [■ (STOP)] **twice**, it will stop the recording.

### Note

- You can also use the special playback functions such as [▶▶ (FFW)], [◀◀ (REV)] etc. during chasing playback mode.
- [● (RECORD)] is invalid during FlexTime function.
- You can no longer fast forward the playback when it comes to a few seconds before the current recording point.

To play back previously recorded title:

You can continue recording a programme while playing back another title in the same component (HDD).

- 1 During recording, press [TITLE].

- 2 Select a desired title using [▲ / ▼ / ▶ / ◀], then press [▶ (PLAY)].

- 3 To stop the playback, press [■ (STOP)] **once**.

The front panel display will switch back to show the elapsed recording time.

If you press [■ (STOP)] **twice**, it will stop the recording.

To playback a title being recorded while continuing to record, refer to "To play back a title being recorded while continuing to record:" (available only with HDD).

### Note

- Video CD, Audio CD, MP3/JPEG files recorded on a disc and DivX® files can also be played back during HDD recording.

## Playback of Time Shift Buffer



On playback of Time Shift Buffer, you can pause or go back to view earlier parts of the TV programme that is currently being watched. For the Time Shift Buffer, refer to "Time Shift Buffer" on pages 29 - 30.

To pause and resume the TV programme:

- 1 When watching TV programme through this unit's tuner, press **[II (PAUSE)]**.

The TV programme will be paused and its sound will be muted.

- 2 Press **[▶ (PLAY)]** to resume the TV programme you were watching from where you have paused.

To go back the TV programme:

When watching TV programme through this unit's tuner, press **[◀ (PREV)]**, **[◀◀ (REW)]**, **[▶ (NEXT)]**, **[▶▶ (FFW)]** or **[REPLAY]**.

- While playing back the Time Shift Buffer, pressing **[◀ (PREV)]** or **[▶ (NEXT)]** skips playback point 5 minutes backward or forward.

To go back to the specific time:

- 1 When watching TV programme through this unit's tuner, press **[DISPLAY]**, then press **[OK]**.
- 2 Use **[▲ / ▼ / ◀ / ▶]** or **[Alphanumeric keypad]** to enter a desired time, then press **[OK]**.

- While playing back the Time Shift Buffer, press **[LIVE TV]** to go back to the current position of the TV programme broadcast.
- While playing back the Time Shift Buffer, press **[■ (STOP)]** to cancel the playback.
- When watching TV programme at live or on playback from Time Shift Buffer, press **[DISPLAY]** once to display the Time Shift Buffer information.
- Noise reduction, zoom and virtual surround functions are available while playing back the Time Shift Buffer.

### Note

- While on playback of Time Shift Buffer, you will not be able to change channel or audio/subtitle languages for digital channels.
- If you change to DVD mode or when this unit turns on for the timer recordings, the Time Shift Buffering will not be performed.
- When this unit turns on for the timer recordings, the Time Shift Buffering will not be performed.
- For the contents of the Time Shift Buffer, you cannot change the TV audio.
- Once it has exceeded 6 hours, the beginning of Time Shift Buffer will be deleted accordingly, and the elapsed time displayed will be unchanged.

## Search

### Title / Chapter Search



Using **[◀ (PREV)]** / **[▶ (NEXT)]** buttons

- 1 During playback, press **[▶ (NEXT)]** to skip the current title or chapter and move to the next.


The unit moves to the next title or chapter one after another.


To go back to the previous title or chapter, press **[◀ (PREV)]** twice in quick successions.

### Note

- For playback from HDD, **[◀ (PREV)]** or **[▶ (NEXT)]** does not allow playback to go to the next and previous title.

Using the **[DISPLAY]** button

- 1 During playback, press **[DISPLAY]**.
- 2 Select the  icon using **[◀ / ▶]**, then press **[OK]**.

 for the title number is highlighted.

Searching for a Title:


- 3 Enter the desired title number to search for using **[▲ / ▼]** or **[Alphanumeric keypad]**, then press **[OK]**.

Title search will start.

### Hint

- Total number of chapters and playback time of the selected title are also displayed.

Searching for a Chapter:

- 3 Press **[◀ / ▶]** to highlight the number displayed in the right side of the  icon.
- 4 Enter the desired chapter number to search for using **[▲ / ▼]** or **[Alphanumeric keypad]**, then press **[OK]**.

Chapter search will start.

### Hint

- The title number and playback time of the selected chapter are also displayed.

## Track Search





Using [**◀** (PREV) / **▶** (NEXT)] buttons

- 1 During playback, press [**▶** (NEXT)] to skip the current track and move to the next.

The unit moves to the next track one after another.

To go back to the previous track, press [**◀** (PREV)] twice in quick succession. The unit moves backward one track at a time.

Using the [DISPLAY] button

- 1 During playback, press [DISPLAY].
- 2 Select the  icon using [**◀** / **▶**], then press [OK].  
 for the track number is highlighted.
- 3 Enter the desired track number to search for using [**▲** / **▼**] or [Alphanumeric keypad], then press [OK].

Track search will start.

### Hint

- For Video CDs, you can perform the track search function in stop mode without turning PBC off manually.

### Note

- During Random playback or Programme playback, you cannot search the desired track.

## Direct Search



You can search the desired track directly.

Using [Alphanumeric keypad]




- 1 During playback, if the display menu is not displayed, press [Alphanumeric keypad] to enter the desired track number.

### Note

- During Random playback or Programme playback, you cannot search the desired track directly.

## Time Search



- 1 During playback, press [DISPLAY].
- 2 Select the  icon using [**◀** / **▶**], then press [OK].  
 for the title or track number is highlighted.
- 3 Press [**◀** / **▶**] to highlight .
- 4 Enter the desired time to search for using [**▲** / **▼**] or [Alphanumeric keypad], then press [OK].

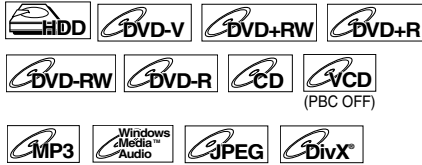
Time search will start.

### Note

- During Random playback or Programme playback, you cannot search the desired time.
- The title number and chapter number of the setting time are also displayed.
- Time search function is available only in the same track or title.

## Repeat / Random / Programme Playback / Slide Show

### Repeat Playback



**1** During playback, press [DISPLAY].

**2** Select the  icon using [◀ / ▶], then press [OK] within 1 second, or wait for 1 second to display the selection menu.

**3** Select the desired option to repeat using [▲ / ▼], then press [OK].

The selected repeat playback will start. The following operations are available.

#### Title:

The current title will be played back repeatedly. (HDD, DVD and DivX® video file only)

#### Chapter:

The current chapter will be played back repeatedly. (HDD, DVD only)

#### All:

The current disc will be played back repeatedly. (Audio CD, Video CD, MP3, Windows Media™ Audio, JPEG and DivX® only)

#### A-B:

The A-B point will be played back repeatedly. (HDD, DVD, Audio CD, Video CD and DivX® only)

- Press [OK] to decide the starting point (A).
- Press [OK] after setting point (A) to select the ending point (B).

#### Track:

The current track will be played back repeatedly. (Audio CD, Video CD, MP3, Windows Media™ Audio, JPEG and DivX® media file only)

#### Group:

The current group will be played back repeatedly. (MP3, Windows Media™ Audio, JPEG and DivX® media file only)

#### Hint

- To cancel the repeat playback, select “OFF” at step 3. The repeat setting is also cancelled when you stop playback.

#### Note

- Point B for the repeat A-B playback should be set within the same title or track as point A.
- You cannot select “Group” during the random playback of MP3 and JPEG files.
- Chapter / Track repeat will be cancelled whenever a Chapter / Track is skipped forward or backward.
- For some DivX® files, A-B Repeat playback may not function.
- For Video CDs with PBC function, repeat playback does not work while the PBC function is on.
- Disc for which the number of recording titles comes up to the maximum.
- When the DivX® media file changes to DivX® video file while repeat setting is done, the repeat setting will be cleared.

### Random Play



You can use this function to play back a disc randomly instead of in the recorded order.

**1** In stop mode, press [HOME].

**2** Select “Disc Playback Mode” using [▲ / ▼], then press [OK].

“Disc Playback Mode” menu will appear.

**3** Select “Random Play” using [▲ / ▼], then press [OK].

Random playback will start.

#### Hint

- To cancel random play, press [■ (STOP)] twice during random play. “OFF” appears on the screen.
- For Video CDs with PBC function, the PBC setting will be switched to off automatically when you start random playback.

#### Note

- During random play, if you forward the track to the end, the playback speed of the next track will be normal.
- During random play, you cannot use the search function except for the search with [◀ (PREV)] / [▶ (NEXT)]. By pressing [◀ (PREV)], you can return only to the beginning of the current track.

### Programme Play

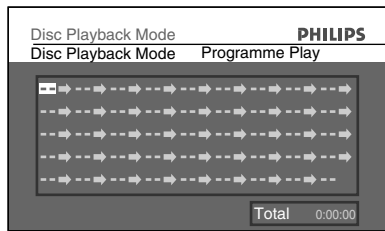


You can program the disc to play back in your desired order.

**1** Follow steps 1 to 2 in “Random Play” on this page.

**2** Select “Programme Play” using [▲ / ▼], then press [OK].

- 3** Select the desired track using [**▲** / **▼**], then press [**OK**] or [**▶**].



- 4** Press [**▶** (PLAY)] to start programme playback.

#### Hint

- To erase tracks you selected, press [**CLEAR**].
- You can make up to 50 track settings.
- To cancel programme play, press [**■** (STOP)] twice during programme play. "OFF" appears on the screen.
- You may also select the desired track using [**Alphanumeric keypad**] at step 3.
- For Video CDs with PBC function, the PBC setting will be switched to off automatically when you start programme playback.

#### Note

- During programme play, if you forward the track to the end, the playback speed of the next track will be normal.
- During programme play, you cannot use the search function except for the search with [**◀** (PREV)] / [**▶** (NEXT)].

### Slideshow Interval



You can select the display time between 5 seconds and 10 seconds.

- 1** Follow steps 1 to 2 in "Random Play" on page 59.
- 2** Select "Slideshow Interval" using [**▲** / **▼**], then press [**OK**].
- 3** Select the display time using [**▲** / **▼**], then press [**OK**].
- 4** Press [**HOME**] to exit.

#### Note

- Large-size JPEG files take awhile to be displayed.

## Selecting the Format of Audio and Video

You can select the format of audio and video to suit the content of the disc you are playing back.

### Switching Subtitles



Many DVD-Videos have subtitles in one or more languages. The available languages are usually printed on the disc case. You can switch subtitle languages at any time during playback.

- 1** During playback, press [**DISPLAY**].

Or press [**SUBTITLE**] during playback and follow from step 3.

- 2** Select the  icon using [**◀** / **▶**], then press [**OK**] within 1 second, or wait for 1 second to display the selection menu.

- 3** Select the desired subtitle language using [**▲** / **▼**], then press [**OK**].

Subtitles are displayed in the selected language. For DivX<sup>®</sup> video files, several tag information exists. Some examples are shown as follows. e.g.)

Letterbox:	Subtitle for the letterbox version of the movie.
Wide screen:	Subtitle for the widescreen version of the movie.
Children:	Subtitle for an audience of children.

#### Note

- With some discs it is only possible to change the subtitle language from the disc menu. Press [**TITLE**] or [**DISC MENU**] to display the disc menu.
- If a 4-digit language code appears in the subtitle menu at step 3, refer to the "Language Code" on page 95.
- For DivX<sup>®</sup> media files, the screen only displays the number of subtitle languages.



## Switching Audio Soundtrack



When playing back a DVD-Video recorded with two or more soundtracks (often in different languages), you can switch among them during playback. When playing back Audio CDs or Video CDs, you can switch among the left, the right channel and stereo. For audio CD, skip to step **2** or press **[AUDIO]** and skip to step **3**.

### 1 During playback, press **[DISPLAY]**.

Or press **[AUDIO]** during playback and follow from step **3**.

### 2 Select the icon using **[◀ / ▶]**, then press **[OK]** within 1 second, or wait for 1 second to display the selection menu.

### 3 Select a desired audio soundtrack or audio channel using **[▲ / ▼]**, then press **[OK]**.

With a DVD-Video or DivX® files:  
Audio soundtrack will switch.

Example:

English → Spanish → French

If the title contains both main and sub audio, you can further select L (main), R (sub), L/R (mixed of main and sub).

With an Audio CD or Video CD:

The Audio channel will switch.

Example:

L/R → L → R

For DivX® Video files, several audio tag information exists. Some examples are shown as follows.

e.g.)

Director Commentary:

Audio recorded comment of the movie director.

Writer Commentary:

Audio recorded comment of the movie writer.

Cast Commentary:

Audio recorded comment of the movie actors.

#### Note

- For some discs, it is only possible to change the soundtrack from the disc menu. Press **[TITLE]** or **[DISC MENU]** to display the disc menu.
- If a 4-digit language code appears in the menu at step **3**, refer to the "Language Code" on page 95.

## Switching Virtual Surround System



You can enjoy stereophonic virtual space through your existing 2 channel stereo system.

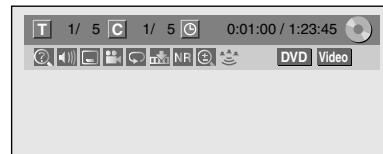
### 1 During playback, press **[DISPLAY]**.

Display menu will appear.

### 2 Select the icon using **[◀ / ▶]**, then press **[OK]** within 1 second, or wait for 1 second to display the selection menu.

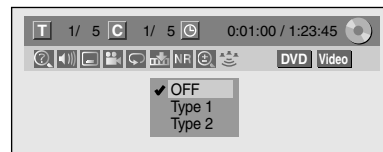
Virtual Surround menu will appear.

e.g.) DVD-Video



### 3 Select "OFF", "Type 1" or "Type 2" using **[▲ / ▼]**, then press **[OK]**.

e.g.) DVD-Video



- OFF: No effect
- Type 1: Natural effect
- Type 2: Emphasised effect

#### Note

- Select Virtual Surround to "OFF" in case the sound is distorted.
- The setting will be kept "OFF" when the unit is turned off.

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## Switching Camera Angles



Some DVD-Videos feature scenes shot from two or more angles. The disc case is usually marked with an angle icon if the disc has multi-angle scenes.



### 1 During playback, press [DISPLAY].

The angle icon appears when a switching camera angle is available. (Available only when the angle icon appears in bottom right on the TV screen.)

### 2 Select the icon using [◀ / ▶], then press [OK].

The angle will switch each time you press [OK].

#### Note

- If the Angle Icon setting is "OFF" in "HOME" menu, the  icon will appear only when the disc is played back and the Display menu appears. (See page 77.)
- Even when the  icon is not displayed, you can select the angle if the currently played back title has at least two multi-angle scenes.

## Reducing Block Noise



### 1 During playback, press [DISPLAY].

### 2 Select the icon using [◀ / ▶], then press [OK] within 1 second, or wait for 1 second to display the selection menu.

Noise Reduction menu will appear.

### 3 Select the desired option using [▲ / ▼], then press [OK].

This function reduces noise in the playback picture. When playing back discs recorded in long time modes such as EP or SLP, select "Type 1" or "Type 2". "Type 2" is more effective. When playing back discs with a little noise, such as DVD-Videos, select "OFF".

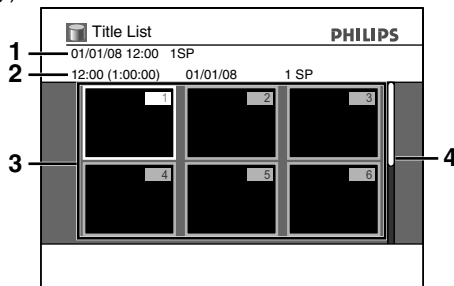
# Editing

## Guide to a Title List

Title list allows you to check the titles recorded on the HDD or the disc easily. You can choose a title to play back from this list and easily edit the titles as you prefer.

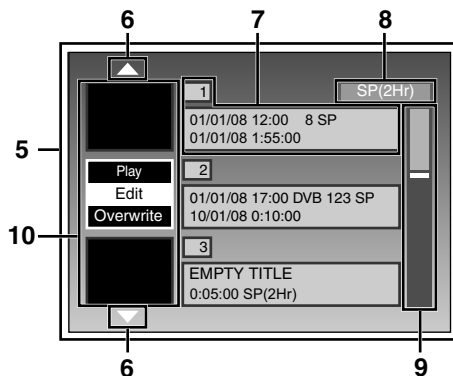
Press [HDD], then press [TITLE].

e.g.) HDD mode

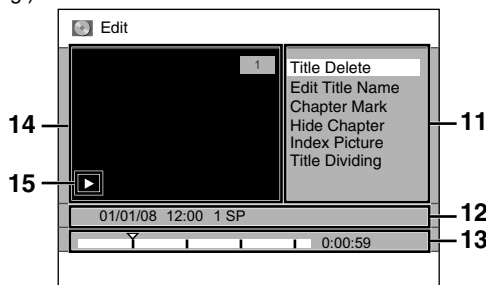


Press [DVD], then press [TITLE].

e.g.) DVD mode



e.g.) DVD



- 1 **Title name (editable):** Recording date, time, channel and the recording mode will be assigned automatically as the title name until you edit it.
- 2 **Title information:** Time at which the recording of the title was started, duration of the title, date recorded, channel recorded, and the recording mode in which the title was recorded.

- 3 **Title List:** List of titles recorded on the HDD. Each title is indicated by its index picture. Following icons may be displayed on the index picture.

**New** : Indicating the title has never been played back yet.

: Indicating the title is protected.

: Indicating the title is a copy-protected title.

: If you call up the title list while recording, "●" will be displayed on the index picture of the title currently being recorded.

- 4 **Page indicator:** Indicating there is a previous / next page.
- 5 **Title list:** List of the titles recorded on the disc, and their information.
- 6 **Arrow:** Indicating there is a previous / next page.
- 7 **Title information:** On the first line, title name (editable) is displayed. On the second line, the title information is displayed. EMPTY TITLE: The portion of the disc where there is no recordings are made. As for the empty title, available recording time by the selected recording mode is displayed on the second line.
- 8 **Recording mode:** Currently selected recording mode is displayed here.
- 9 **Capacity indicator:** Indicating the position and the amount of each title in the disc. The portion for the selected title is highlighted.
  - It may not indicate the precise capacity of the disc.
  - If the duration of a title is too short, it may not be reflected in the capacity indicator.

- 10 **Index pictures:** A cut from the recorded content is displayed here.
- 11 **Submenu:** Submenus for the selected menu are displayed here.
- 12 **Title name (editable):** If you do not name the title, the recorded date, time, channel, and the recording mode are displayed here.
- 13 **Progress bar:** Indicating the progress of the playback.
- 14 **Preview window:** Preview of the selected title is displayed here.
- 15 **Playback status:** Indicating the current playback status of the selected title.

Press [BACK] to exit the edit menu.

Press [Left Arrow] to cancel the settings and exit the edit menu.

Press [STOP] to exit the title list.

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## Edit Menu

Available Futures	Media	
	HDD	DVD
Editing names on titles	✓	✓
Deleting a title	✓	✓
Deleting selected titles	✓	
Deleting a scene of a title	✓	
Adding / deleting chapter marks	✓	✓
Hiding chapters		✓
Protecting a title	✓	
Dividing a title	✓	✓ <sup>*1</sup>
Setting an index picture		✓
Finalising a disc		✓ <sup>*2</sup>
Making edits compatible		✓ <sup>*3</sup>
Editing name on disc		✓
Setting or Releasing disc protect		✓

✓: Available Grey: Not available

\*1: DVD-RW/+RW discs only

\*2: DVD+R/-RW/-R discs only

\*3: DVD+RW discs only

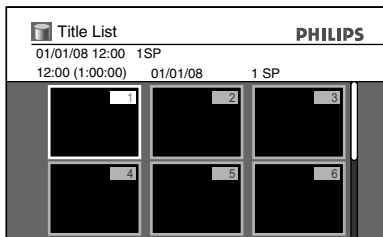
- Once you have finalised a DVD+R/ DVD-R, you cannot edit or record anything on that disc.
- While recording a title to an HDD or a DVD, only deleting HDD titles is available.

## How to Access the Edit Menu

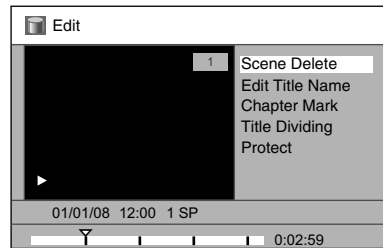
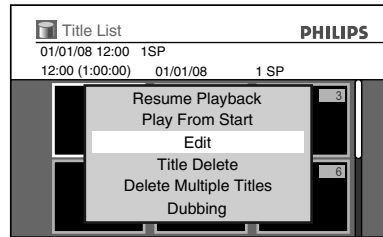


Press [HDD] first.

- 1 Press [TITLE].
- 2 Use [▲ / ▼ / ◀ / ▶] to select a desired title, then press [OK].

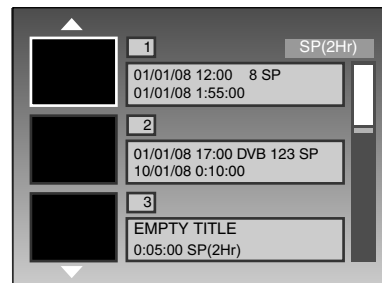


- 3 Use [▲ / ▼] to select "Edit", then press [OK].

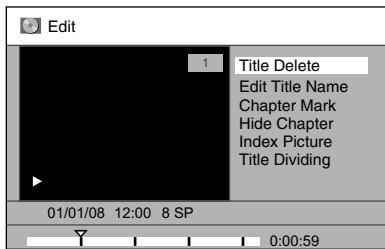


Press [DVD] first.

- 1 Press [TITLE].
- 2 Use [▲ / ▼ / ◀ / ▶] to select a desired title, then press [OK].



**3** Use [▲ / ▼] to select “Edit”, then press [OK].



### Deleting a Title



You can delete a title which you do not need anymore. Please be advised that the title once deleted cannot be brought back.

If you are editing the titles on HDD, press [HDD] first.

If you are editing the titles on DVD, press [DVD] first.

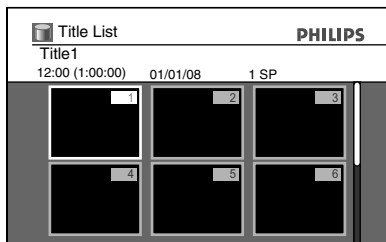
**1** Press [TITLE] or [DISC MENU].

**2** Use [▲ / ▼ / ◀ / ▶] to select a desired title to delete, then press [OK].

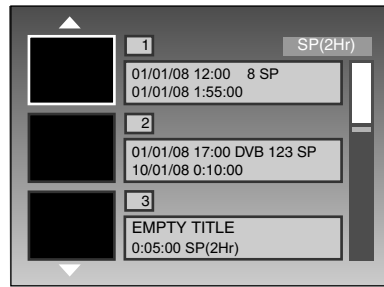
If you are editing the titles on HDD, proceed to step 4.

If you are editing the titles on DVD, proceed to step 3.

e.g.) HDD mode



e.g.) DVD mode

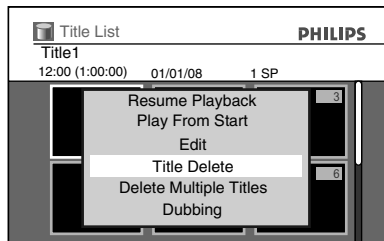


**3** Use [▲ / ▼] to select “Edit”, then press [OK].

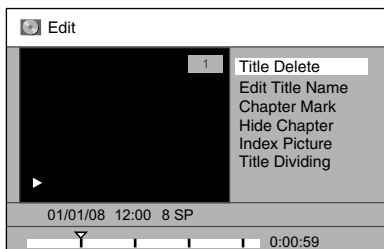


**4** Use [▲ / ▼] to select “Title Delete”, then press [OK].

e.g.) HDD mode



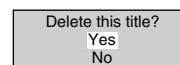
e.g.) DVD mode



Confirmation message will appear.

**5** Use [▲ / ▼] to select “Yes”, then press [OK].

Final confirmation message will appear.



The title is now deleted.

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**Note**

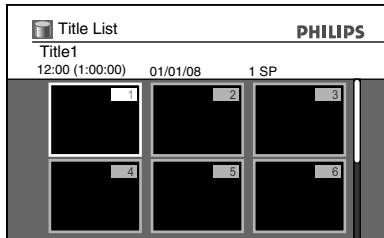
- For HDD, DVD+RW/DVD-RW, the available disc space will increase only when the last recorded title in the title list is deleted. For DVD+R/DVD-R, the disc space will not be affected.
- Deleted part of the titles in the capacity indicator changes in colour.
- As for DVD+RW/DVD-RW if you delete the title, deleted title will be displayed as "EMPTY TITLE".
- For DVD, it may take a while to write the data to the disc after you press [OK] at step 5.

**Deleting Selected Titles**

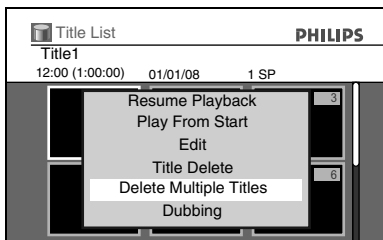
You can delete titles which you do not need anymore. Please be advised that the titles once deleted cannot be brought back.

**1** Press [HDD], then press [TITLE].

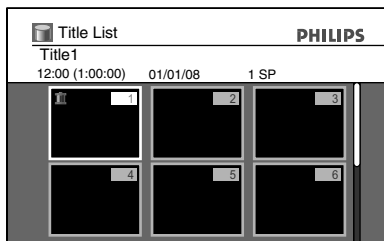
**2** Use [▲ / ▼ / ◀ / ▶] to select any title, then press [OK].



**3** Use [▲ / ▼] to select "Delete Multiple Titles", then press [OK].

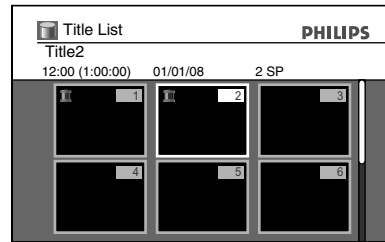


**4** Use [▲ / ▼ / ◀ / ▶] to select the title you want to delete, then press [OK].



Trash mark will appear indicating the title is marked for deletion.

**5** Repeat step 4 until you select all the titles you want to delete.

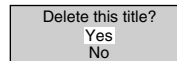


**6** Press [CLEAR].

Confirmation message will appear.

**7** Use [▲ / ▼] to select "Yes", then press [OK].

Final confirmation message will appear. Select "Yes", then press [OK].  
Titles are now deleted.



To remove the trash mark from the title: Select the title with the trash mark, then press [OK].

## Editing Title Name

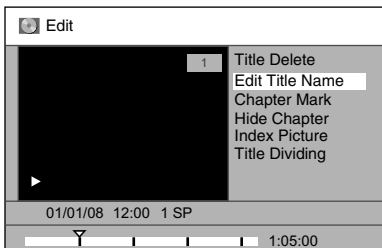


You can put title names on the titles and change the names from this menu.

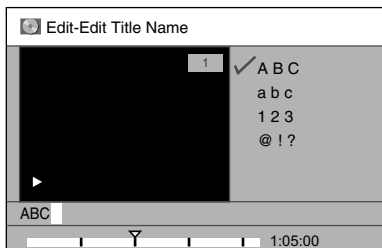
**1** Follow steps in “How to Access the Edit Menu” on pages 64 - 65 to display “Edit” menu.

**2** Use [▲ / ▼] to select “Edit Title Name”, then press [OK].

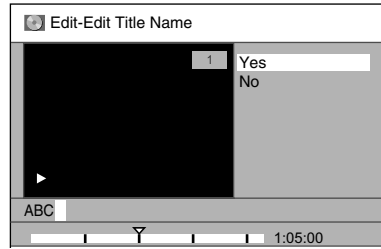
e.g.) DVD



**3** To enter a title name, follow the steps of “Guide to Editing Title Names” on this page.



**4** Use [▲ / ▼] to select “Yes”, then press [OK].



The title name is now updated.

**5** Press [BACK ↵] once or repeatedly to go back to the title list.

For DVD, the data will be written onto the disc momentarily.

### Guide to Editing Title Names

**Step 1** : Select the desired character set using [▲ / ▼], then press [OK].

**Step 2** : Using the list below as a guide, press [Alphanumeric keypad] repeatedly until the desired letter appears.

Select Press	ABC	abc	123	@ ! ?
[0]	<space>	<space>	0	<space>
[1]	-	-	1	! " # \$ % & ' ( ) * + , - . / : ; < = > ? @ [ ] ^ _ {   }
[2]	ABC	abc	2	-
[3]	DEF	def	3	-
[4]	GHI	ghi	4	-
[5]	JKL	jkl	5	-
[6]	MNO	mno	6	-
[7]	PQRS	pqrs	7	-
[8]	TUV	tuv	8	-
[9]	WXYZ	wxyz	9	-

• Characters set will be changed to the “@ ! ?” automatically if you press [1] after you selected the “ABC” or “abc” mode.

#### Note

- To delete letters, press [CLEAR] repeatedly. Press and hold [CLEAR] to delete all letters.
- Press [◀ / ▶] to move the cursor to the left or right.
- You can enter up to 30 letters.
- Unrecognisable characters will be replaced with asterisks (\*). If you delete them, adjoining characters may change to asterisks (\*) or other.

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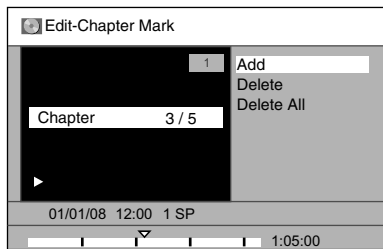
## Adding or Deleting Chapter Markers Manually



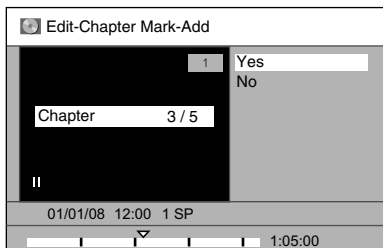
You can put chapter marks in each title. Once a chapter is marked, you can use it for the chapter search feature.

To add a chapter mark:

- 1 Follow steps in “How to Access the Edit Menu” on pages 64 - 65 to display “Edit” menu.
- 2 Use [**▲** / **▼**] to select “Chapter Mark”, then press [OK].
- 3 Play back the title up to the point where you want to set a new chapter mark.  
When it comes to the desired point, press [**⏸** (PAUSE)].
- 4 Use [**▲** / **▼**] to select “Add”, then press [OK].  
e.g.) DVD



- 5 Use [**▲** / **▼**] to select “Yes”, then press [OK].



A new chapter mark will be added.

To add more chapter marks, repeat steps 3 to 5.

- 6 Press [**BACK** **↶**] once or repeatedly to go back to the title list.

For DVD, the data will be written onto the disc momentarily.

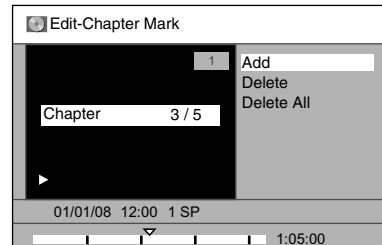
### Note

- Maximum number of chapter marks in a title is 99 (for HDD/DVD) and the maximum number of chapter marks in total is no limit (for HDD) / 254 (for DVD). If the number of the chapter marks exceed the limit, you cannot add any more chapter marks.
- Only with regard to DVD editing, you may not be able to add chapter marks depending on the duration of the title or the number of chapters.

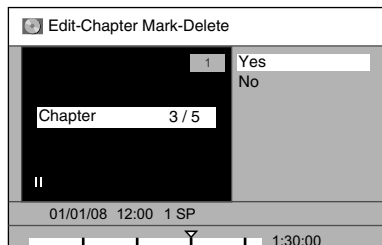
- Only with regard to DVD editing, remaining time of the disc may decrease when adding chapter marks or increase when clearing chapter marks depending on the recording time or edited contents.
- When you search for a point at step 3, you can also use the special playback functions such as [**▶**] (NEXT), [**▶▶**] (FFW)] etc.

To delete a chapter mark:

- 1 Follow steps in “How to Access the Edit Menu” on pages 64 - 65 to display “Edit” menu.
- 2 Use [**▲** / **▼**] to select “Chapter Mark”, then press [OK].  
Submenu will appear.
- 3 Use [**◀** (PREV)] / [**▶** (NEXT)] to go to the chapter with the chapter mark number you want to delete, then press [**⏸** (PAUSE)].  
Chapter mark number is displayed on the preview screen.  
e.g.) DVD



- 4 Use [**▲** / **▼**] to select “Delete”, then press [OK].
- 5 Use [**▲** / **▼**] to select “Yes”, then press [OK].



The selected chapter mark will be deleted.

To delete more chapter marks, repeat steps 3 to 5.

- 6 Press [**BACK** **↶**] once or repeatedly to go back to the title list.

For DVD, the data will be written onto the disc momentarily.

### Note

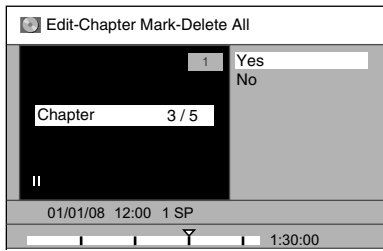
- You cannot delete the chapter mark 1.

To delete all chapter marks (DVD only):

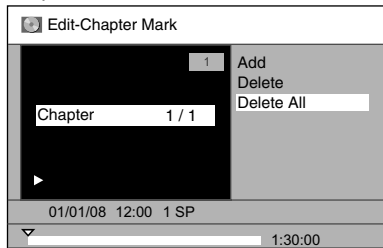
- 1 Follow steps in “How to Access the Edit Menu” on pages 64 - 65 to display “Edit” menu.
- 2 Use [**▲** / **▼**] to select “Chapter Mark”, then press [OK].
- 3 Submenu will appear.



- 4 Use [**▲** / **▼**] to select “Delete All”, then press [OK].
- 5 Use [**▲** / **▼**] to select “Yes”, then press [OK].



Final confirmation message will appear. Select “Yes”, then press [OK].  
All chapter marks are now deleted.



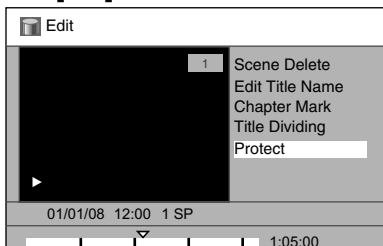
- 6 Press [BACK  $\leftarrow$ ] once or repeatedly to go back to the title list.  
Data will be written onto the disc momentarily.

## Protecting a Title

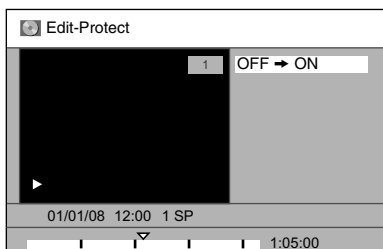


To prevent the accidental editing, or erasing of the titles, you can protect them in “Edit” menu.

- 1 Follow steps in “How to Access the Edit Menu” on pages 64 - 65 to display “Edit” menu.
- 2 Use [**▲** / **▼**] to select “Protect”, then press [OK].



- 3 With “OFF  $\rightarrow$  ON” selected, press [OK].



The title is now protected.

- If the title is already protected, “ON  $\rightarrow$  OFF” will appear instead. Press [OK], to release the title from protection.
- The protected title will be marked with icon.

- 4 Press [BACK  $\leftarrow$ ] once or repeatedly to go back to the title list.

## Dividing a Title



You can divide one title into 2 new titles.

- 1 Follow steps in “How to Access the Edit Menu” on pages 64 - 65 to display “Edit” menu.
- 2 Play back the title up to the point where you want to divide the title.
- 3 When it comes to the desired point, press [II (PAUSE)].
- 4 Use [**▲** / **▼**] to select “Title Dividing”, then press [OK].
- 5 Use [**▲** / **▼**] to select “Yes”, then press [OK].

The title is now divided into 2 new titles, and it will go back to the title list automatically. Title name of the divided titles are identical, and index pictures are reset to the first scene at this point.

### Note

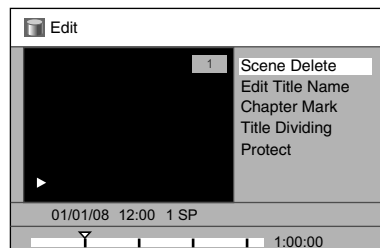
- If an internal HDD or a DVD contains the maximum number of titles (HDD: 600, DVD+RW/-RW: 49), you cannot divide any titles.
- With DVD+RW/-RW, you cannot divide the titles if the total number of chapters has already reached 254.
- When you search for a point at step 2, you can also use the special playback functions such as [▶ (NEXT)], [▶▶ (FFW)] etc.
- For DVD, it may start writing data to the disc as you complete the editing procedure.

## Deleting a Scene of a Title

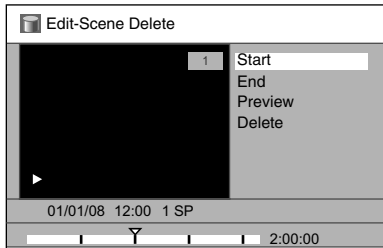


You can delete a specific part of a title.

- 1 Follow steps in “How to Access the Edit Menu” on pages 64 - 65 to display “Edit” menu.
- 2 Use [**▲** / **▼**] to select “Scene Delete”, then press [OK].

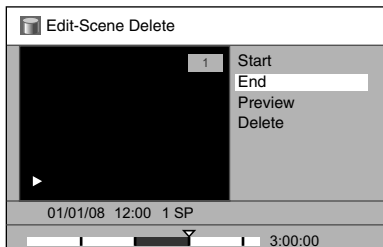


- 3** Play back the title up to the point where you want to set a start point for the scene to be deleted, then press [OK].



Start point is now set, and the highlight automatically moves to “End”.

- 4** Play back the title up to the point where you want to set an end point, then press [OK].

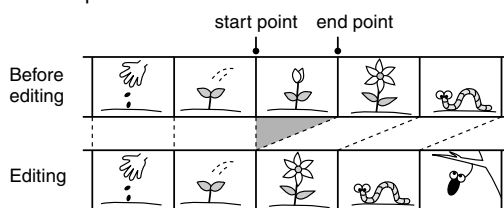


End point is now set, and the highlight automatically moves to “Preview”. The portion for deletion is indicated in red in the progress bar at the bottom of the screen.

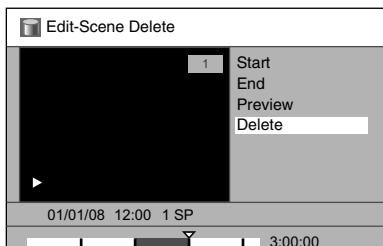
- 5** With “Preview” highlighted, press [OK] to preview the result.

Before and after 5 seconds of the deleted scene can be previewed every time you press [OK].

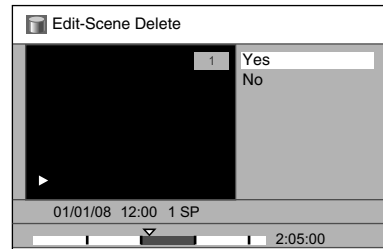
- If you are not satisfied with the result, use [▲ / ▼] to go back to “Start” or “End”, and try setting them again.
- If you are satisfied with the result, proceed to step 6.



- 6** Use [▲ / ▼] to select “Delete” then press [OK].



- 7** Use [▲ / ▼] to select “Yes” then press [OK].



Final confirmation message will appear. Select “Yes” using [▲ / ▼] and then press [OK]. The selected scene is now deleted.

- 8** Press [BACK ↵] once or repeatedly to go back to the title list.

#### Note

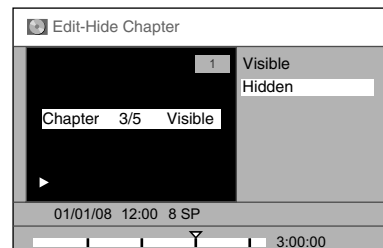
- When you search for the Start/End point at step 3 or 4, you can also use the special playback functions such as [▶] (NEXT), [▶▶] (FFW) etc.

## Hiding Chapters



You can hide chapters from the title list. Hidden chapters are skipped during playback.

- 1** Follow steps in “How to Access the Edit Menu” on pages 64 - 65 to display “Edit” menu.
- 2** Use [▲ / ▼] to select “Hide Chapter”, then press [OK].
- 3** Use [◀ (PREV) / ▶ (NEXT)] to go to the chapter you want to hide, then press [⏸ (PAUSE)].
- 4** Use [▲ / ▼] to select “Hidden”, then press [OK].



The chapter is now hidden.

- 5** Press [BACK ↵] once or repeatedly to go back to the title list.

Data will be written onto the disc momentarily. This operation may take a while to be completed.

If you want hidden chapters to be “Visible”, select the chapter to be shown. Then use [▲ / ▼] to select “Visible” at the step 4. Data will be written onto the disc momentarily. After that, title list is displayed.

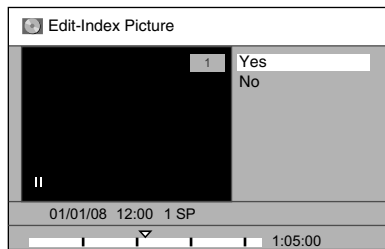
**Note**

- “Hidden” will be displayed in the preview window while previewing the hidden chapter.
- When you make all chapters in the title “Hidden”, “Hidden” is displayed on an index picture of the title list.

**Setting an Index Picture**

You can set your desired scene as an index picture for each title.

- 1 Follow steps in “How to Access the Edit Menu” on pages 64 - 65 to display “Edit” menu.
- 2 Play back the title to find the scene you want to use as an index picture. When it comes to the desired point, press [II (PAUSE)].
- 3 Use [▲ / ▼] to select “Index Picture”, then press [OK].
- 4 Use [▲ / ▼] to select “Yes”, then press [OK].



A new index picture is now set.

- 5 Press [BACK ↵] once or repeatedly to go back to the title list.

**Note**

- If the selected picture for an index picture is overwritten, the index picture is reset to the first scene of the title.
- When you search for the point at step 2, you can also use the special playback functions such as [▶ (NEXT)], [▶▶ (FFW)] etc.

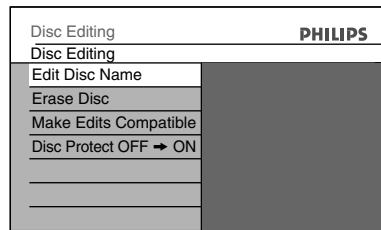
**Editing Name on Disc**

You can put a name on the disc and change it from this menu.

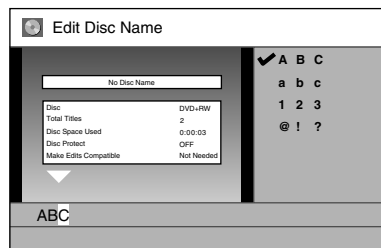
Press [■ (STOP)] if you are playing back a disc or if you are displaying the “Title Menu”.

- 1 Press [HOME].
- 2 Use [▲ / ▼] to select “Disc Editing”, then press [OK].
- 3 Use [▲ / ▼] to select “Edit Disc Name”, then press [OK].

e.g.) DVD+RW



- 4 To enter a disc name, follow the steps of “Guide to Editing Title Names” on page 67. When you finish entering a title name, press [OK].



- 5 Use [▲ / ▼] to select “Yes”, then press [OK].

Data will be written onto the disc momentarily.

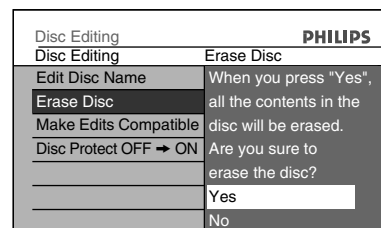
**Erasing Disc**

You can erase all titles on a disc.

Press [■ (STOP)] if you are playing back a disc or if you are displaying the “Title Menu”.

- 1 Press [HOME].
- 2 Use [▲ / ▼] to select “Disc Editing”, then press [OK].
- 3 Use [▲ / ▼] to select “Erase Disc”, then press [OK].
- 4 Use [▲ / ▼] to select “Yes”, then press [OK].

e.g.) DVD+RW



Data will be written onto the disc momentarily. The contents of the disc is now deleted.

**Note**

- When you select “Yes” at step 4, all contents of the disc will be erased.

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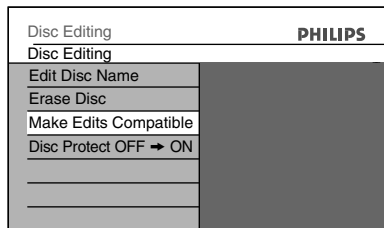
## Making Edits Compatible



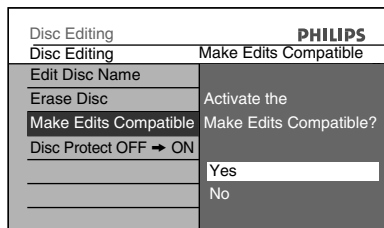
If you have added or deleted chapters, or made chapters hidden, you must perform “Make Edits Compatible” to see those effects on other unit.

Press **[STOP]** if you are playing back a disc.

- 1 Press **[HOME]**.
- 2 Use **[▲ / ▼]** to select “Disc Editing”, then press **[OK]**.
- 3 Use **[▲ / ▼]** to select “Make Edits Compatible”, then press **[OK]**.



- 4 Use **[▲ / ▼]** to select “Yes”, then press **[OK]**.



Data will be written onto the disc momentarily.

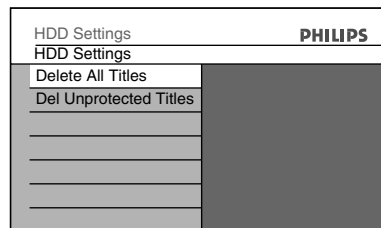
## Deleting All Titles in HDD



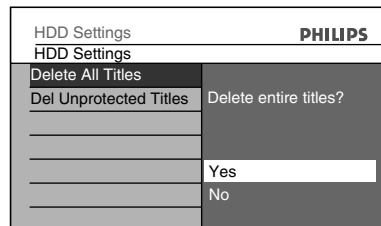
Press **[STOP]** if you are playing back an HDD or disc.

- 1 Press **[HOME]**.
- 2 Use **[▲ / ▼]** to select “HDD Settings”, then press **[OK]**.
- 3 Use **[▲ / ▼]** to select the desired type of deletion, then press **[OK]**.

Select “Delete All Titles” if you want to delete all titles including the ones protected.  
Select “Del Unprotected Titles” if you want to delete only the unprotected titles.



- 4 Use **[▲ / ▼]** to select “Yes”, then press **[OK]**.



“Are you sure?” will appear. Select “Yes” using **[▲ / ▼]**, and then press **[OK]**.  
Titles are deleted.

# General Settings

The following table is the contents which you can set and the default settings (highlighted). Refer to the following table for useful operation. Items with \* (asterisk) will be taken from "Initial Setup".

HOME	Items (highlight is the default)	Contents		
General Settings	Disc Playback	Parental Lock ▶ Page 75	All level 1 to 8 Set the parental level for DVD disc playback.	
	Disc Audio ▶ Page 76	Dynamic Range Control	ON OFF	Compressing the range of sound volume.
		Dolby Digital	48kHz 96kHz	Set whether the sound recorded in 96 kHz will be down sampled to 48 kHz.
			PCM Stream	Set whether to convert Dolby Digital into PCM or to output Dolby Digital signals.
		MPEG	PCM Stream	Set whether to convert MPEG into PCM or to output MPEG signals.
	Disc Menu Language ▶ Page 76		English Other	Set the language for Disc Menu.
	Audio Language ▶ Page 77	Original English Other	Set the language for audio.	
	Subtitle Language ▶ Page 77	OFF English Other	Set the language for subtitles.	
	Angle Icon ▶ Page 77	ON OFF	Set whether or not to display the angle icon.	
	Still Mode ▶ Page 77	Auto Field Frame	Set the type of still image in pausing playback.	
	Skip/Replay Interval ▶ Pages 77 - 78	Skip	5 seconds 15 seconds 30 seconds 1 minute 5 minutes	Set the amount of skip time when you press <b>[SKIP]</b> .
			Replay	5 seconds 15 seconds 30 seconds 1 minute 5 minutes
	TV System ▶ Page 78	PAL Auto	Set the TV system.	
	Display	Screen Saver ▶ Page 78	OFF 5 minutes 10 minutes 15 minutes 30 minutes	Set the idling time before the screen saver starts.
Front panel brightness ▶ Page 79		Auto Bright Dim OFF	Set the brightness of the Front Panel Display.	
Video	TV Shape ▶ Page 79	4:3 Letter Box 4:3 Pan scan 16:9 Widescreen	Set a picture size according to aspect ratio of your TV.	
	Active Video Input ▶ Page 19	Video In S-Video In	Set the video input type for the external input.	
	Active Video Output ▶ Pages 79 - 80	SCART(RGB) Component (Progressive) Component (Interlace)	Set the video output mode.	
Recording	Auto Chapter ▶ Page 26	OFF 5 minutes 10 minutes 15 minutes 30 minutes 60 minutes	Insert chapter marks periodically.	
	Auto Finalise ▶ Page 45	ON OFF	Set the unit to finalise the disc automatically.	
	Make Rec. Compatible ▶ Page 26	ON OFF	Set to prohibiting additional recording (OFF) or to replace the title list after recording (ON).	
	Recording Language ▶ Page 27	Main Sub	Set the audio type for recording.	
	External Input Audio ▶ Page 27	Stereo Bilingual	Set the external input audio type for recording.	
	Video Standard ▶ Page 38	Auto	Set the Video Standard to "PAL" or "SECAM" automatically.	
		PAL SECAM	Set the Video Standard to "PAL". Set the Video Standard to "SECAM".	

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HOME	Items (highlight is the default)	Contents				
General Settings	Clock	Clock Setting* ➤ Page 89 Auto Clock Setting ➤ Page 89	ON OFF	Set the clock manually. Set the clock automatically.		
	Channel	Digital&Analog Tuning* ➤ Page 82		Tune the digital and analogue channels automatically.		
		Digital Channel Setup	Edit Channels ➤ Page 85 Auto Tuning* ➤ Page 84 Manual Tuning ➤ Page 85 Signal Information ➤ Page 87		Lock the digital channels, edit the favourite lists. Tune the digital channels automatically. Tune the digital channels manually. Display the detailed information of the current digital channel.	
	Analog Channel Setup	Auto Tuning* ➤ Page 83		Tune the analogue channels automatically.		
		Manual Tuning ➤ Pages 83 -84 Sort Channels ➤ Page 84		Tune the analogue channels manually. Move the analogue channels to different position.		
	DivX	DivX®VOD ➤ Page 51		Provide DivX® VOD registration code.		
		DivX Subtitle ➤ Page 80	OFF English French Spanish German Italian Swedish Dutch Russian1 Russian2 Hungarian Polish Czech		Set the language for DivX® Subtitle.	
	HDMI	Format ➤ Page 81	RGB YCbCr		Set the colour space for the HDMI output.	
		HDMI Audio ➤ Page 81	ON OFF		Set whether to output the HDMI audio signal or not.	
		Black Level ➤ Page 81	Normal Enhanced		Set this function to adjust the noise reduction.	
		EasyLink ➤ Page 81	ON OFF		Set whether to utilise the EasyLink function. The EasyLink function allows all components connected via an HDMI cable to act in conjunction with this unit.	
	Digital TV Settings	Adult Lock ➤ Page 86	ON OFF		Set the viewing limitation for the digital channels.	
		Language	Audio ➤ Page 88	English Gaelic Welsh		Set the audio language for digital TV.
			Subtitle ➤ Page 88	English Gaelic Welsh		Set the subtitle language for digital TV.
			Digital Teletext Service ➤ Page 88	English Gaelic Welsh		Set the Digital Teletext Service language.
Tuner Version Info ➤ Page 88			Check the current digital system software version of this unit.			
Reset All ➤ Page 90				Set to the default setting.		

**Note**

- Your change to each setting stays on even when the power is switched off.
- An item not currently available is greyed in the settings.

## Disc Playback

- 1** In stop mode, press [HOME]. Select “General Settings” using [▲ / ▼], then press [OK].
- 2** Select “Disc Playback” using [▲ / ▼], then press [OK].
- 3** Select a desired item using [▲ / ▼], then press [OK].

1	Disc Playback	Parental Lock	8	Disc Playback	Skip/Replay Interval
2		Disc Audio	9		TV System
3		Disc Menu Language			
4		Audio Language			
5		Subtitle Language			
6		Angle Icon			
7		Still Mode			

- 4** Refer to pages 75 to 78 and set the selected item.
- 5** When you finish with the setting, press [HOME] to exit.

### 1 Parental Lock (Default: All) (DVD only)

Set “Parental Lock” level.

**Change “Parental Lock” level using [▲ / ▼], then press [OK].**

Proceed to either of the following steps.

General Settings		PHILIPS
Disc Playback		
Parental Lock	All	
Disc Audio	8	
Disc Menu Language	7	
Audio Language	6	
Subtitle Language	5	
Angle Icon	4	
Still Mode	3	

#### Parental level

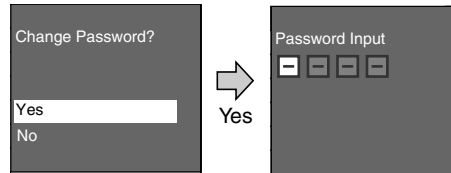
- All: All parental locks are cancelled.
- 8: DVD software of any grade (adult / general / children) can be played back.
- 7 to 2: Only DVD software intended for general use and children can be played back.
- 1: Only DVD software intended for children can be played back.

#### Note

- “Parental Lock” function may not be available on some discs.
- It may be difficult to determine if some DVDs support the parental lock function. Be sure to confirm that “Parental Lock” function operates in the way that you have set.
- Record the password in case you forget it.

### A password is not yet set

Select “Yes” using [▲ / ▼], then press [OK]. Enter a new password using [Alphanumeric keypad], then press [OK].

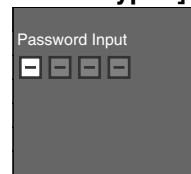


Your setting is activated.

If you select “No”, press [HOME] to exit.

### A password is already set

Enter the current password using [Alphanumeric keypad].



If you want to change the password, select “Yes” using [▲ / ▼], then press [OK].



Enter a new password using [Alphanumeric keypad], then press [OK].



Your setting is activated.

#### Note

- Press [CLEAR] to erase numbers entered incorrectly.
- If you forget your password or you want to clear all settings in “Parental Lock”, enter [4], [7], [3], [7] using [Alphanumeric keypad] at the option window. Your password is cleared and parental levels are set to “All”.

**2 Disc Audio**

Choose the appropriate audio setting for your external device.

It will only affect a disc playback.  
Select a desired item using [▲ / ▼], then press [OK].

	Disc Audio
<b>A</b>	Dynamic Range Control
<b>B</b>	PCM
<b>C</b>	Dolby Digital
<b>D</b>	MPEG

**A Dynamic Range Control (Default: ON) (DVD only)**

Set to "ON" to make the dynamic range narrower.  
Select a setting using [▲ / ▼], then press [OK].

General Settings		<b>PHILIPS</b>
Disc Audio		Dolby Digital
Dynamic Range Control	ON	
PCM	OFF	
Dolby Digital		
MPEG		

Your setting is activated.  
"Dynamic Range Control" function is effective only with analogue audio connection.

**Note**

- "Dynamic Range Control" function is available only on discs recorded in the Dolby Digital format.

**B PCM sampling (Default: 48kHz)**

Select a setting using [▲ / ▼], then press [OK].

General Settings		<b>PHILIPS</b>
Disc Audio		PCM
Dynamic Range Control	48kHz	
PCM	96kHz	
Dolby Digital		
MPEG		

Your setting is activated.

- 48kHz: If your amplifier / decoder is NOT compatible with 96 kHz PCM, select "48kHz". Sound recorded at 96 kHz is down sampled to 48 kHz.
- 96kHz: If your amplifier / decoder is compatible with 96 kHz PCM, select "96kHz". Sound is sampled at 96 kHz.

**Note**

- When playing back a disc with copyright protection:
- Even if you select "96kHz", the sound is down sampled to 48 kHz.

**C Dolby Digital conversion (Default: Stream)**

Select a setting using [▲ / ▼], then press [OK].

General Settings		<b>PHILIPS</b>
Disc Audio		Dolby Digital
Dynamic Range Control	PCM	
PCM	Stream	
Dolby Digital		
MPEG		

Your setting is activated.

- PCM: Converts the Dolby Digital into PCM (2 channel).  
If your amplifier / decoder is NOT compatible with Dolby Digital, set to "PCM".
- Stream: Outputs Dolby Digital signals.  
If your amplifier / decoder is compatible with Dolby Digital, set to "Stream".

**D Settings for MPEG (Default: PCM) (DVD only)**

Select a setting using [▲ / ▼], then press [OK].

General Settings		<b>PHILIPS</b>
Disc Audio		MPEG
Dynamic Range Control	PCM	
PCM	Stream	
Dolby Digital		
MPEG		

Your setting is activated.

- PCM: Converts MPEG into PCM.  
If your amplifier / decoder is NOT compatible with MPEG, set to "PCM".
- Stream: Outputs MPEG Audio signals.  
If your amplifier / decoder is compatible with MPEG, set to "Stream".

**3 Disc Menu Language (Default: English) (DVD only)**

Set "Disc Menu Language".

Select a setting using [▲ / ▼], then press [OK].

General Settings		<b>PHILIPS</b>
Disc Playback		Disc Menu Language
Parental Lock	English	
Disc Audio	Other	
Disc Menu Language		
Audio Language		
Subtitle Language		
Angle Icon		
Still Mode		

Your setting is activated.



**4 Audio Language (Default: Original) (DVD only)**

Set "Audio Language".

Select a setting using [**▲** / **▼**], then press [**OK**].

General Settings		PHILIPS
Disc Playback	Audio Language	
Parental Lock	Original	
Disc Audio	English	
Disc Menu Language	Other	
Audio Language		
Subtitle Language		
Angle Icon		
Still Mode		

Your setting is activated.

If "Original" is selected, the audio language is the default of the inserted disc.

**5 Subtitle Language (Default: OFF) (DVD only)**

Set "Subtitle Language".

Select a setting using [**▲** / **▼**], then press [**OK**].

General Settings		PHILIPS
Disc Playback	Subtitle Language	
Parental Lock	OFF	
Disc Audio	English	
Disc Menu Language	Other	
Audio Language		
Subtitle Language		
Angle Icon		
Still Mode		

Your setting is activated.

If "Other" is selected, enter the appropriate 4-digit code using [**Alphanumeric keypad**].

Refer to "Language Code" on page 95.



When you finish entering the code, press [**OK**].

**Hint**

- You can also change or switch off the subtitles on a DVD from the disc menu if it is available.
- Press [**CLEAR**] or [**◀**] to erase numbers entered incorrectly.

**Note**

- You can only select the languages supported by the inserted disc.
- "Audio Language" setting may not be available for some discs.

**6 Angle Icon (Default: ON) (DVD only)**

Set "Angle Icon".

Select a setting using [**▲** / **▼**], then press [**OK**].

General Settings		PHILIPS
Disc Playback	Angle Icon	
Parental Lock	ON	
Disc Audio	OFF	
Disc Menu Language		
Audio Language		
Subtitle Language		
Angle Icon		
Still Mode		

Your setting is activated.

**7 Still Mode (Default: Auto) (DVD only)**

Set "Still Mode".

Select a setting using [**▲** / **▼**], then press [**OK**].

General Settings		PHILIPS
Disc Playback	Still Mode	
Parental Lock	Auto	
Disc Audio	Field	
Disc Menu Language	Frame	
Audio Language		
Subtitle Language		
Angle Icon		
Still Mode		

Your setting is activated.

- Auto: Automatically select the best resolution setting ("Frame" or "Field") based on the data characteristics of the pictures.
- Field: Select "Field" when the pictures are still unstable even if "Auto" is selected. "Field" stabilises the pictures, although the picture quality may become coarse due to the limited amount of data.
- Frame: Select "Frame" to display relatively motionless pictures in higher resolution. "Frame" improves the picture quality, although it may destabilise the picture due to simultaneous output of two fields of data.

**Note**

- An individual picture on TV screen is called Frame, which consists of two separate images called Fields. Some pictures may be blurred at the "Auto" setting in still mode due to their data characteristics.

**8 Skip/Replay Interval**

Assign [**SKIP**] or [**REPLAY**] to skip or rewind by a certain amount of time when they are pressed.

Select a desired item using [**▲** / **▼**], then press [**OK**].

General Settings		PHILIPS
Skip/Replay Interval		
Skip	5 seconds	
Replay	15 seconds	
	30 seconds	
	1 minute	
	5 minutes	

Refer to the explanations below and set the selected item.

**A : Skip (Default: 15 seconds)**

Sets the amount of skip time for [SKIP].

General Settings PHILIPS	
Skip/Replay Interval	Skip
Skip	5 seconds
Replay	15 seconds
	30 seconds
	1 minute
	5 minutes

**B : Replay (Default: 15 seconds)**

Sets the amount of rewind time for [REPLAY].

General Settings PHILIPS	
Skip/Replay Interval	Replay
Skip	5 seconds
Replay	15 seconds
	30 seconds
	1 minute
	5 minutes

**9 TV System (Default: PAL) (DVD only)**

Set "TV System".

Select a setting using [▲ / ▼], then press [OK].

General Settings PHILIPS	
Disc Playback	TV System
Skip/Replay Interval	PAL
TV System	Auto

Your setting will be activated.

- PAL: Outputs a modified PAL signal for viewing discs recorded with the NTSC system on a PAL system TV.
- Auto: Changes the video system (PAL / NTSC) automatically according to the format of the inserted disc.

**Note**

- With discs recorded using the PAL system, a PAL signal is output for viewing on a PAL system TV.
- Discs recorded with the PAL system cannot be viewed on an NTSC system TV.
- With discs recorded using the NTSC system, an NTSC signal is output for viewing on an NTSC or Multi system TV.
- With discs recorded using the NTSC system, select PAL to view on a PAL system TV.

**Display**

**1** In stop mode, press [HOME]. Select "General Settings" using [▲ / ▼], then press [OK].

**2** Select "Display" using [▲ / ▼], then press [OK].

**3** Select the desired item using [▲ / ▼], then press [OK].

Display	
1	Screen Saver
2	Front panel brightness

**4** Refer to pages 78 - 79 and set the selected item.

**5** When you finish with the setting, press [HOME] to exit.

**1 Screen Saver (Default: 10 minutes)**

Set the screen saver time delay.

Select a setting using [▲ / ▼], then press [OK].

General Settings PHILIPS	
Display	Screen Saver
Screen Saver	OFF
Front panel brightness	5 minutes
	10 minutes
	15 minutes
	30 minutes

Your setting is activated.

## 2 Front panel brightness (Default: Auto)

Set the front panel display brightness.  
**Select a setting using [▲ / ▼], then press [OK].**

General Settings		PHILIPS
Display		Front panel brightness
Screen Saver	Auto	
Front panel brightness	Bright	
	Dim	
	OFF	

You can choose one from "Auto", "Bright", "Dim" or "OFF".

If "Auto" is selected, the display becomes dimmer when the set is in standby.

If "OFF" is selected, the power consumption of the unit will be lower in standby state.

The brightness of the front panel display will become dimmer while the unit is in on, and it will be off while the unit is in standby.

### Note

- If you set "Front panel brightness" to "OFF", output of the picture from the external device through AV2 to AV1 (input of the picture from AV2 and output of the picture from AV1.) is not available when this unit is off.

## Video

**1** In stop mode, press [HOME]. Select "General Settings" using [▲ / ▼], then press [OK].

**2** Select "Video" using [▲ / ▼], then press [OK].

**3** Select the desired item using [▲ / ▼], then press [OK].

Video	
1	TV Shape
2	Active Video Input
3	Active Video Output

**4** Refer to this page and set the selected item.

For "2", refer to page 19 for details.

**5** When you finish with the setting, press [HOME] to exit.

## 1 TV Shape (Default: 16:9 Widescreen)

You can select the TV aspect ratio to match the formats of what you are playing back with the unit and your TV screen (4:3 standard or 16:9 widescreen TV).

**Select the desired setting using [▲ / ▼], then press [OK].**

General Settings		PHILIPS
Video		TV Shape
TV Shape	4:3 Letter Box	
Active Video Input	4:3 Pan scan	
Active Video Output	16:9 Widescreen	

### If you have a standard TV:

Select "4:3 Letter Box", so that black bars appear on the top and bottom of the TV screen when playing back a wide-screen picture. Select "4:3 Pan scan" for a full height picture with both sides trimmed when playing back wide-screen picture.

### If you have a widescreen TV:

Select "16:9 Widescreen".

## 3 Active Video Output (Default: SCART(RGB))

This unit is compatible with the Progressive Scan System. This feature provides better quality video output compared to interlace. You can enjoy Progressive Scan image by using HDMI OUT or COMPONENT VIDEO OUTPUT. To utilise the Progressive Scan system through the COMPONENT VIDEO OUTPUT, you must set Video Output mode in "HOME" menu on the following steps. "SCART(RGB)" is selected as the default.

- When you set the "Active Video Output" setting, make sure that the AV1 (TO TV) Scart socket is connected to your TV with Scart cable.

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## 1 Select the desired setting using [▲ / ▼], then press [OK].

General Settings		PHILIPS
Video	Active Video Output	
TV Shape	SCART(RGB)	
Active Video Input	Component (Progressive)	
Active Video Output	Component (Interlace)	

- If your TV is compatible with progressive scanning (576p/480p), connect the TV to the COMPONENT VIDEO OUTPUT jacks of this unit and select "Component (Progressive)" and set your TV to the progressive scan mode.
- If your TV is not compatible with progressive scan, select "Component (Interlace)" for component connect, or select "SCART(RGB)" for Scart cable connection.
- Refer to page 17 for more details.

Only if you select the "Component (Progressive)", proceed to step 2. If you select "Component (Interlace)" or "SCART(RGB)", your setting is activated.

## 2 Use [▲ / ▼] to select "Yes". Press [OK].

Activating progressive scan:  
Check your TV has progressive scan and connect with component video cable.  
NOTE : If there is no picture or picture is distorted after selecting "Yes", Wait about 15 seconds for auto recovery.

Activate?  Yes  No

Final confirmation window will appear.

## 3 Use [▲ / ▼] to select "Yes". Press [OK] within 15 seconds.

Confirm again to use progressive scan.  
If picture is good, select "Yes".

Yes  No

Your setting is activated.

### Note

- When changing "Active Video Output" setting ("SCART(RGB)", "Component (Interlace)" or "Component (Progressive)"), connect to the corresponding jack on the TV. If the setting is changed, for example, to "SCART(RGB)" while the COMPONENT VIDEO OUTPUT jacks are used to connect to the TV, a distorted video signal may result.

## DivX®

1 In stop mode, press [HOME]. Select "General Settings" using [▲ / ▼], then press [OK].

2 Select "DivX" using [▲ / ▼], then press [OK].

3 Select the desired item using [▲ / ▼], then press [OK].

	DivX
1	DivX®VOD
2	DivX Subtitle

For "1", refer to page 51 for details.

## 2 DivX Subtitle (Default: OFF)

Select the desired setting using [▲ / ▼], then press [OK].

General Settings		PHILIPS
DivX	DivX Subtitle	
DivX®VOD	OFF	
DivX Subtitle	English	
	French	
	Spanish	
	German	
	Italian	
	Swedish	

4 When you finish with the setting, press [HOME] to exit.

## HDMI

**1** In stop mode, press [HOME]. Select “General Settings” using [▲ / ▼], then press [OK].

- Make sure that the HDMI cable is connected and the TV input is set to HDMI.

**2** Select “HDMI” using [▲ / ▼], then press [OK].

**3** Select the desired item using [▲ / ▼], then press [OK].

1	HDMI
2	Format
3	HDMI Audio
4	Black Level
	EasyLink

**4** Refer to pages 81 - 82 and set the selected item.

**5** When you finish with the setting, press [HOME] to exit.

### 1 Format (Default: RGB)

You can select the colour space for HDMI output. Set the appropriate colour space for your display device.

Select a setting using [▲ / ▼], then press [OK].

- When the connected device is not compatible with the Y/Cb/Cr, HDMI signal is output as RGB regardless of the setting.

General Settings		PHILIPS
HDMI	Format	
Format	RGB	
HDMI Audio	YCbCr	
Black Level		
EasyLink		

Your setting is activated.

### 2 HDMI Audio (Default: ON)

If you do not want to output the audio through HDMI (when the digital audio output of the unit is connected to an audio amplifier system, etc.), you can set the HDMI audio output off.

Select a setting using [▲ / ▼], then press [OK].

- Set to “OFF” when the HDMI sound is not output.

General Settings		PHILIPS
HDMI	HDMI Audio	
Format	ON	
HDMI Audio	OFF	
Black Level		
EasyLink		

Your setting is activated.

### 3 Black Level (Default: Normal)

You can adjust the black level to make the dark areas of the HDMI images brighter.

Select a setting using [▲ / ▼], then press [OK].

- Select “Enhanced” if the black-white contrast is not clear.
- This setting is effective only for HDMI RGB output.

General Settings		PHILIPS
HDMI	Black Level	
Format	Normal	
HDMI Audio	Enhanced	
Black Level		
EasyLink		

Your setting is activated.

### 4 EasyLink (Default: ON)

This feature is only applicable if this unit is connected to HDMI CEC compliant TV/device. It enables all the linked devices response or react to certain commands simultaneously with one touch control.

Select a setting using [▲ / ▼], then press [OK].

General Settings		PHILIPS
HDMI	EasyLink	
Format	ON	
HDMI Audio	OFF	
Black Level		
EasyLink		

Your setting is activated.

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## How to enjoy the EasyLink function

- 1 Turn on the HDMI CEC operations on your TV and other connected devices. See TVs/devices manual for details.**
- 2 You can now enjoy the EasyLink controls.**

### One touch play (Auto wake-up TV)

When you press **[▶ (PLAY)]**, this unit will wake-up from standby mode and start disc play (if a video disc is found in the disc compartment) and it will also turn on your TV and switch to the correct viewing channel.

### One touch power off (System standby)

When you press and hold **[⏻ (STANDBY-ON)]**, it will put to standby this unit and all the linked devices via HDMI CEC. This unit will also response to standby command from other HDMI CEC compliant devices.

#### Note

- Philips does not guarantee 100 % interoperability with all HDMI CEC compliant devices.

## Channel Installation

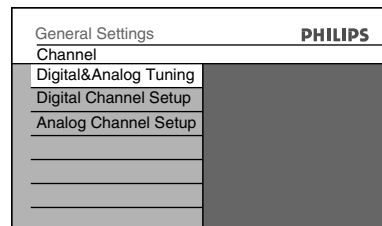
You can retune this unit or edit the channel installation by the following methods.

### Digital & Analog Tuning

Program the tuner to scan both analogue and digital channels available in your area.

- 1 In stop mode, press [HOME]. After pressing [HOME], the message “Time Shift Buffer will be cleared depending on your selection. Do you want to continue?” will appear. Select “Yes”.**
- 2 Select “General Settings” using [▲ / ▼], then press [OK].**  
“General Settings” menu will appear.
- 3 Select “Channel” using [▲ / ▼], then press [OK].**
- 4 Select “Digital&Analog Tuning” using [▲ / ▼], then press [OK].**

The unit will start storing channels available in your area.



Wait for several minutes to finish channel storing.

- Analogue channels will be stored in channel 01-99 after it is scanned by this unit.

- 5 Press [HOME] to exit.**

You can select only the channels stored in this unit by using **[PROGRAM + / -]**.

#### To cancel auto tuning

Press **[BACK ↵]** or **[HOME]** during scanning.

#### Note

- The selection will be affected by how you receive TV channels in your local area.
- If the auto tuning is cancelled during scanning, some channels may not be stored.

## Auto Tuning (ANALOG)

### ANALOG

Program the tuner to scan analogue channels available in your area.

- 1** In stop mode, press [HOME]. After pressing [HOME], the message “Time Shift Buffer will be cleared depending on your selection. Do you want to continue?” will appear. Select “Yes”.
- 2** Select “General Settings” using [▲ / ▼], then press [OK].  
“General Settings” menu will appear.
- 3** Select “Channel” using [▲ / ▼], then press [OK].
- 4** Select “Analog Channel Setup” using [▲ / ▼], then press [OK].
- 5** Select “Auto Tuning” using [▲ / ▼], then press [OK].

The unit will start storing channels available in your area.

General Settings		PHILIPS	
Channel	Analog Channel Setup		
Digital&Analog Tuning	Auto Tuning		
Digital Channel Setup	Manual Tuning		
Analog Channel Setup	Sort Channels		

Wait for several minutes to finish channel storing.

- Analogue channels will be stored in channel 01-99 after it is scanned by this unit.

### 6 Press [HOME] to exit.

You can select only the channels stored in this unit by using [PROGRAM + / -].

#### To cancel auto tuning

Press [BACK ↵] or [HOME] during scanning.

#### Note

- The selection will be affected by how you receive TV channels in your local area.
- If the auto tuning is cancelled during scanning, some channels not yet tuned may not be received.
- You cannot change the channel when this unit is in any recording mode (normal recording, One-touch Timer Recording or timer recording).

## Manual Tuning (ANALOG)

### ANALOG

You can manual tune to and set each analogue channel.

- 1** In stop mode, press [HOME]. Select “General Settings” using [▲ / ▼], then press [OK].
- 2** Select “Channel” using [▲ / ▼], then press [OK].
- 3** Select “Analog Channel Setup” using [▲ / ▼], then press [OK].
- 4** Select “Manual Tuning” using [▲ / ▼], then press [OK].
- 5** Select “Position” using [▲ / ▼], then press [▶].

General Settings		PHILIPS	
Analog Channel Setup	Manual Tuning		
Position	01		
Channel	2		
Decoder	OFF		
Skip	ON		

### 6 Select the position number you want to use using [Alphanumeric keypad] or [▲ / ▼], then press [◀].

- You can select position number 01-99.

### 7 Select “Channel” using [▲ / ▼], then press [▶].

### 8 Press [▲ / ▼] to start scanning.

- The tuner will begin to search up or down automatically. When a channel is found, the unit will stop searching and the picture will appear on the TV screen.
- You can select a desired channel number using [Alphanumeric keypad]. Refer to the following Channel Plan table and press the three digits to select the channel number. (To select channel 4, press [0] first and then press [4].) Or press [4] and then wait for 2 seconds after “-4” appears.
- If this is the channel you want, press [◀].

Channel Plan	
CH Indication	TV Channel
01 – 10	IRA-IRJ, GAP
21 – 69	E21 – E69
74 – 78	X, Y, Z, Z+1, Z+2
80 – 99, 100	S1 – S20, GAP
121 – 141	S21 – S41

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This unit can receive the Hyper and Oscar frequency bands.

- To set "Skip" to "ON", select "Skip" using [▲ / ▼], then press [▶]. Select "OFF" using [▲ / ▼], then press [◀].
- If you want to decode scrambled signals, select "Decoder" using [▲ / ▼], then press [▶]. Select "ON" using [▲ / ▼], then press [◀].
- To store another channel, repeat steps 5 to 8.

## 9 Press [HOME] to exit.

## Skip a Preset Channel

### ANALOG

You can set the unit to skip channels. You can no longer receive or watch when you access channels using [PROGRAM + / -].

- 1 Follow steps 1 to 4 in "Manual Tuning (ANALOG)" on page 83.
- 2 Select "Position" using [▲ / ▼], then press [▶].
- 3 Select the position number you want to skip using [Alphanumeric keypad] or [▲ / ▼], then press [◀].
- 4 Select "Skip" using [▲ / ▼], then press [▶].
- 5 Select "ON" using [▲ / ▼], then press [◀].
  - To skip another channel, repeat steps 2 to 5.
- 6 Press [HOME] to exit.

## Sort Channels (ANALOG)

### ANALOG

You can change the order of the stored channels according to your preference.

- 1 In stop mode, press [HOME]. Select "General Settings" using [▲ / ▼], then press [OK].
- 2 Select "Channel" using [▲ / ▼], then press [OK].
- 3 Select "Analog Channel Setup" using [▲ / ▼], then press [OK].
- 4 Select "Sort Channels" using [▲ / ▼], then press [OK].
- 5 Select the preset number of the channel you want to change using [▲ / ▼], then press [OK].
  - "✓" will be displayed on the left side of "Pos. CH".
  - You cannot select a position number where "—" appears next to the number, because "Skip" is set to "ON" for that position number.
- 6 Move the channel to another position number using [▲ / ▼], then press [OK].
  - To move another channel, repeat steps 5 to 6.
- 7 Press [HOME] to exit.

## Auto Tuning (DIGITAL)

### DIGITAL

You can programme the tuner to scan only the digital channels that you can receive in your area.

- 1 In stop mode, press [HOME]. Select "General Settings" using [▲ / ▼], then press [OK].
- 2 Select "Channel" using [▲ / ▼], then press [OK].
- 3 Select "Digital Channel Setup" using [▲ / ▼], then press [OK].
- 4 Select "Auto Tuning" using [▲ / ▼], then press [OK].

The unit will start storing channels available in your area.

General Settings		PHILIPS	
Channel	Digital Channel Setup	Digital&Analog Tuning	Edit Channels
Digital Channel Setup	Auto Tuning	Analog Channel Setup	Manual Tuning
	Signal Information		

The tuner scans and memorises all the active digital channels (TV / Radio) in your area.

Channel search	
S.No. TV channel	S.No. Radio channel
1 ITV1	700 BBC Radio 1
2 ITV2	701 BBC Radio 2
3 Channel	702 Magic Radio
4 E4	703 Classic FM
Channel48 UHF	690000kHz/8M
Progress ●●●●●●●● 60%	

- Press [OK] after Auto Tuning is completed, then the digital channel at lowest preset will appear on the screen.

## 5 Press [HOME] to exit.

You can use [PROGRAM + / -] to access the stored digital channels.

### Note

- If you press [BACK ↵] during the scanning, the screen will return to the previous displayed menu, and Auto Tuning will be cancelled.
- If you press [HOME] during the scanning, this operation will stop and the lowest number of digital channels will appear on the TV screen.

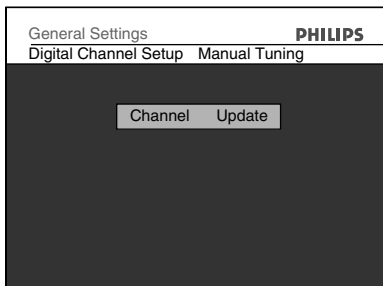


## Manual Tuning (DIGITAL)

### DIGITAL

You can manual tune to digital channels and do update install for new channels.

- Follow steps 1 to 3 in “Auto Tuning (DIGITAL)” on page 84.
- Select “Manual Tuning” using [▲ / ▼], then press [OK].
- Select your desired position number using [▲ / ▼], then press [OK].



- The tuner will begin to search up or down automatically. When a digital channel is found, the unit will stop searching.
- When “Update” is selected, the unit will update new digital TV and radio services, which have not yet been stored. (This adds only the new channels to your existing preset list, after the last preset position.)

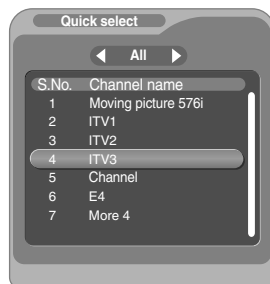
- Press [HOME] to activate the setting.

## Quick Select

### DIGITAL

With “Quick select” menu, you can select your favourite digital channel quickly. Refer to “Edit Group Lists” on page 86.

- Press [OK] while watching a digital channel.
  - “Quick select” menu will appear.



- Press [◀ / ▶] to select your favourite group list. (“All”, “Group1” - “Group8”)

- “All” shows a list of all the stored digital channels.
- If the favourite group does not have any channels, the group will be skipped.

- Select the digital channel you want to watch using [▲ / ▼], then press [OK].

- Press [BACK ↵] to exit.

## Edit Channels (DIGITAL)

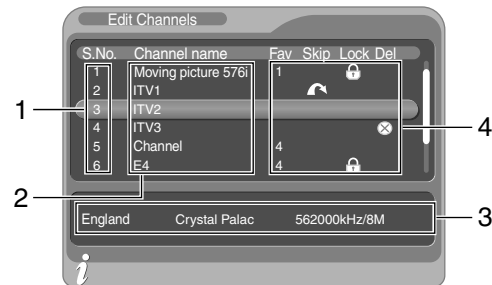
### DIGITAL

With “Edit Channels” menu, you can see all the stored digital channels and sort them into the group lists (“Quick select”) or set the viewer limitation (“Adult Lock”), etc.

- Follow steps 1 to 3 in “Auto Tuning (DIGITAL)” on page 84.

- Select “Edit Channels” using [▲ / ▼], then press [OK].

- “Edit Channels” menu will appear.



- Channel numbers
- Channel names
- Channel information
- Channel installation

- Press [HOME] to exit.

### Note

- Press [INFO] to display the user guide. You can see each explanation of the buttons which can be used in “Edit Channels” menu. Press [BACK ↵] to return to “Edit Channels” menu.

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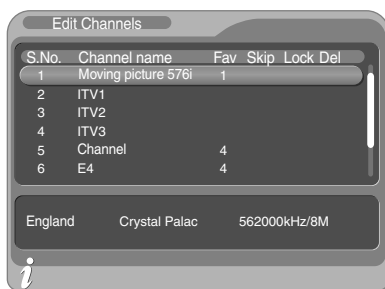
Others

## Edit Group Lists

### DIGITAL

You can sort each digital channel into 8 different favourite group lists ("Group1" - "Group8"). With "Quick select" menu, you can select your favourite digital channel quickly. Refer to "Quick Select" on page 85.

- Follow steps 1 to 2 in "Edit Channels (DIGITAL)" on page 85.
- Select the digital channel you want to add to the favourite group list using [ $\blacktriangle$  /  $\blacktriangledown$ ], then select the number of the favourite group list you want to add to using [Alphanumeric keypad] ([1] - [8]).



- The number you selected will appear.
- Press [0] to cancel from the favourite group list.

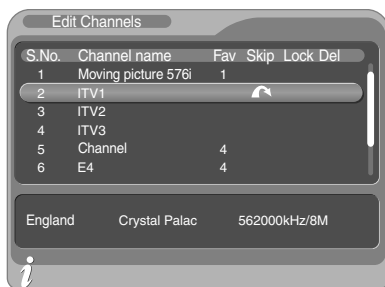
- Press [HOME] to exit.

## Skip Channels

### DIGITAL

You can set the unit to skip the unwanted digital channels when you use [PROGRAM + / -].

- Follow steps 1 to 2 in "Edit Channels (DIGITAL)" on page 85.
- Select the digital channel you want to skip using [ $\blacktriangle$  /  $\blacktriangledown$ ], then press [GREEN].



- "⊘" will appear.
- Press [GREEN] to cancel. "⊘" will disappear.

- Press [HOME] to exit.

## Adult Lock

### DIGITAL

You can set the unit to limit the access to the digital channels.

- Follow steps 1 to 2 in "Edit Channels (DIGITAL)" on page 85.
- Select the digital channel you want to lock by using [ $\blacktriangle$  /  $\blacktriangledown$ ], then press [YELLOW].



- "🔒" will appear.
- Press [YELLOW] to cancel. "🔒" will disappear.

- Press [HOME] to exit.

- Once you turn off the unit, Pincode will be required to view the locked channels.
- To set the Pincode, refer to "Pincode Setting for Adult Lock" on page 88.

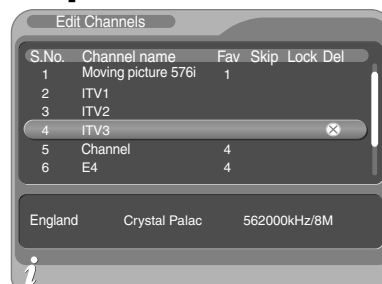
- Switch the unit to standby in order for the settings to take effect.

## Delete Channels

### DIGITAL

You can delete the digital channels from the stored digital channels.

- Follow steps 1 to 2 in "Edit Channels (DIGITAL)" on page 85.
- Select the digital channel you want to delete using [ $\blacktriangle$  /  $\blacktriangledown$ ], then press [BLUE].



- "⊗" will appear.
- Press [BLUE] to cancel. "⊗" will disappear.

- Press [HOME] to exit.

- The channel has been deleted from the "Edit Channels" menu.

## Sort Channels (DIGITAL)

### DIGITAL

You can change the order of the stored channels according to your preference when you use [PROGRAM + / -] by swapping positions of the two channels.

- 1 Follow steps 1 to 2 in “Edit Channels (DIGITAL)” on page 85.
- 2 Select the digital channel of which you want to change the position using [▲ / ▼], then press [OK].
- 3 Select the channel you want to replace with using [▲ / ▼], then press [OK].
  - The two channels swap positions.
- 4 Press [HOME] to exit.

## Edit Channel Names

### DIGITAL

You can edit the digital channel names according to your preference.

- 1 Follow steps 1 to 2 in “Edit Channels (DIGITAL)” on page 85.
- 2 Select the digital channel for name editing using [▲ / ▼]. Then press [RED].
  - Name editing display will appear.



- 3 Edit the name using the [Alphanumeric keypad].
  - Press [Alphanumeric keypad] repeatedly until the desired letter appears.
  - Press [◀ / ▶] to move the cursor left or right.
  - Press [RED] to select alphabet or numbers.
  - Press [GREEN] to select capital or lower case letters.
  - Press [YELLOW] to insert a space.
  - Press [BLUE] to delete a letter.

- 4 After completion, press [OK].

- 5 Press [HOME] to exit.

### Note

- You can enter up to 19 letters.

## Signal Information

### DIGITAL

You can check the detailed information of the current digital channel.

- 1 Follow steps 1 to 3 in “Auto Tuning (DIGITAL)” on page 84.
- 2 Select “Signal Information” using [▲ / ▼], then press [OK].
  - “Signal Information” display will appear.



- 3 Press [HOME] to exit.

- “Signal Information” is not available for analogue channel and external input (AV1/AV2/AV3/Digital Video (AV4)).
- “Signal Information” is also not available while the Pincode input field for locked digital channel is displayed.

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## Digital TV Settings

You can make settings of the digital tuner from the "Digital TV Settings".

### Pincode Setting for Adult Lock

#### DIGITAL

You can set "Adult Lock" to "ON" or "OFF" and also change Pincode.

- 1 In stop mode, press [HOME]. Select "General Settings" using [▲ / ▼], then press [OK].
- 2 Select "Digital TV Settings" using [▲ / ▼], then press [OK].
- 3 Select "Adult Lock" using [▲ / ▼], then press [OK].

General Settings		PHILIPS
Digital TV Settings		
Adult Lock	ON	
Language	OFF	
Tuner Version Info		

- 4 Select "ON" or "OFF" using [▲ / ▼], then press [OK].

#### 5 To set "Adult Lock" to "ON":

- 1) Enter your desired Pincode using [Alphanumeric keypad], then press [OK].
- 2) For confirmation, enter the Pincode again using [Alphanumeric keypad] then press [OK].

#### To set "Adult Lock" to "OFF":

Enter the Pincode using [Alphanumeric keypad].

- While entering the Pincode, use [◀] or [CLEAR] to clear the numbers erroneously entered.
- If you forget the Pincode, press [4], [7], [3], [7] to cancel the Pincode.

- 6 Press [HOME] to exit.

#### Note

- Once "Adult Lock" has been set to "ON", Pincode will be required in order to view the locked channels or make the timer recording of them, and when you try to execute the "Auto Tuning" for digital TV or "Edit Channels".
- "Adult Lock" settings will only take effect after the unit goes to and wake up from standby.

## Language Setting

#### DIGITAL

- 1 Follow steps 1 to 2 in "Pincode Setting for Adult Lock" on this page.
- 2 Select "Language" using [▲ / ▼], then press [OK].
- 3 Select the item by which you want to change the language using [▲ / ▼], then press [OK].

General Settings		PHILIPS
Digital TV Settings		
Audio	English	
Subtitle	Gaelic	
Digital Text Service	Welsh	

Audio : Set the Audio language  
 Subtitle : Set the Subtitle language  
 Digital Text Service : Set the Digital Teletext language

- 4 Select a language using [▲ / ▼], then press [OK].

- 5 Press [HOME] to exit.

#### Note

- The "Audio" and "Subtitle" setting may not be available for some broadcasts.
- To change the audio language, refer to "Multiaudio" on page 24.
- To display the subtitle or choose the subtitle language, refer to "Subtitle" on page 24.

## Tuner Version Info

#### DIGITAL

You can check the current digital system software version of this unit.

- 1 Follow steps 1 to 2 in "Pincode Setting for Adult Lock" on this page.
- 2 Select "Tuner Version Info" using [▲ / ▼].
- 3 Press [HOME] to exit.

## Setting the Clock

### Auto Clock Setting

This unit receives time signals from the analogue / digital channels, and sets the clock automatically. Ensure analogue or digital channels are installed.

- 1** In stop mode, press [HOME]. Select “General Settings” using [▲ / ▼], then press [OK].
- 2** Select “Clock” using [▲ / ▼], then press [OK].

General Settings PHILIPS	
General Settings	
Disc Playback	Clock Setting
Display	Auto Clock Setting
Video	
Recording	
Clock	
Channel	
DivX	

- 3** Select “Auto Clock Setting” using [▲ / ▼], then press [OK].
- 4** Select “ON” using [▲ / ▼], then press [OK].
- 5** Press [HOME] to exit.
- 6** Press [⏻] (STANDBY-ON) to turn the unit off.
  - The Auto clock function is activated.
  - This unit will search for the time whenever the unit is put to standby.
  - Leave the unit off for about 10 seconds to give it time to set the clock.

#### Hint

- If you want to cancel “Auto Clock Setting”, select “OFF” using [▲ / ▼], and then press [OK] at step 4.

#### Note

- The default setting of “Auto Clock Setting” is “ON”.
- The clock may set itself automatically after you connect the antenna cable to the unit and plug in the mains cable. In this case, the current time will appear on the front panel display.
- If there are only analogue channels stored in this unit:
  - The channel assigned to “01” must receive the PDC signal in order to set the clock automatically.
  - The unit will correct the current time by receiving PDC broadcasts whenever the power is turned off.
  - Between 23:00 and 1:00, the Auto Clock function will not operate even when the power is turned off.
- The clock cannot be set automatically if you are not receiving a channel in your area that carries a time signal. In this case, set the clock manually.
- The unit will also correct the current time automatically at 8:00 if the unit is in standby mode or if you are watching digital channel.
- The time will be downloaded from the currently viewed digital channel.
- Auto Clock will be activated by a digital channel you are watching.

### Manual Clock Setting

- 1** In stop mode, press [HOME]. Select “General Settings” using [▲ / ▼], then press [OK].
- 2** Select “Clock” using [▲ / ▼], then press [OK].
- 3** Select “Clock Setting” using [▲ / ▼], then press [OK].  
Default date will appear.
- 4** Press [OK] again.

General Settings PHILIPS	
General Settings	
Clock	Clock Setting
Clock Setting	
Auto Clock Setting	
	01/01/2008 (TUE)
	0:00

- 5** Enter the date (day / month / year) using [▲ / ▼].  
Press [▶] to move the cursor to the next field. If you want to go back to the previous field, press [◀].
- 6** Enter the time (hours / minutes) using [▲ / ▼], then press [OK].  
The clock will start.
- 7** Press [HOME] to exit.

#### Note

- Your clock setting will be lost if either a power failure occurs or the unit is unplugged for more than 30 seconds.
- If you have installed digital channels and programmed timers in this unit, the “Clock” option will not be selectable.

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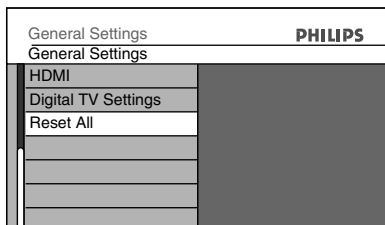
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## Reset All

- 1** In stop mode, press [HOME]. Select “General Settings” using [▲ / ▼], then press [OK].
- 2** Select “Reset All” using [▲ / ▼], then press [OK].



- 3** Select “Yes” using [▲ / ▼], then press [OK].



“Are you sure?” will appear. Select “Yes” using [▲ / ▼], and then press [OK].

- 4** When you finish with the setting, press [HOME] to exit.

### Note

- The settings listed below will remain unchanged even after resetting to the factory default.
  - Clock setting
  - Channel installation
  - Parental lock setting
  - DivX®VOD code
  - Timer Programmes
  - Digital TV Settings

# Others

## Troubleshooting

Before requesting service for this unit, check the table below for a possible cause of the problem you are experiencing. Some simple checks or a minor adjustment on your part may eliminate the problem and restore proper operation.

	Symptom	Remedy
POWER	The power does not turn on.	<ul style="list-style-type: none"> <li>Check that the AC power cord is connected securely.</li> <li>Batteries of the remote control are weak.</li> </ul>
	The unit turns on automatically without any operation.	<ul style="list-style-type: none"> <li>The unit turns on automatically 2 seconds before the timer recording.</li> </ul>
GENERAL	The unit does not function.	<ul style="list-style-type: none"> <li>"⊘" or error message appears if the operation is prohibited.</li> <li>Batteries of the remote control are weak or exhausted.</li> </ul>
	No picture, sound or menu appears on the screen.	<ul style="list-style-type: none"> <li>Check if the connections are made securely and correctly.</li> <li>Check if the cables are damaged.</li> <li>Check if a correct external input channel is selected on your TV. (See page 19.)</li> <li>Check if you have completed "Channel" setting. (See pages 82 - 87.)</li> </ul>
	"Clock" setting and "Channel" setting cannot be performed.	<ul style="list-style-type: none"> <li>If a recording is in progress, these operations cannot be performed.</li> </ul>
	The unit does not operate properly.	<ul style="list-style-type: none"> <li>Moisture has condensed inside the unit. Remove the disc and leave the unit turned on for about 2 hours until the moisture evaporates. (See page 4.)</li> </ul>
	The clock display does not appear on the front panel display.	<ul style="list-style-type: none"> <li>Check that the AC power cord is connected securely.</li> <li>(In case of power failure) Check the breaker and "Clock" setting.</li> </ul>
	When you forget the password for parental lock.	<ul style="list-style-type: none"> <li>Please cancel the password and the set level. (See page 75.)</li> </ul>
	DV signal cannot be input.	<ul style="list-style-type: none"> <li>Before connecting, turn on the power supplies for both this unit and the DVC, and make sure that these units have stopped.</li> <li>Only a "DVC-SD" signal can be input from the DVC to this unit. Other types of signals are not supported.</li> <li>Do not connect any device other than the DVC. Even if a recorder or PC with another DV terminal is connected, the DV function will not operate.</li> <li>If the DVC is not recognised after connection, turn off the power supply for the unit and re-connect the DVC.</li> </ul>
	The DVC cannot be operated with this unit.	<ul style="list-style-type: none"> <li>Signal input or DVC operation from this unit may be disabled depending on the type of DVC.</li> <li>If a DVC signal cannot be input, use an external input (AV2/AV3) for analogue connection via audio/video cables. Use Scart adaptor for connecting to AV2.</li> <li>DVC control may be disabled depending on the type of DVC, even in a mode other than camera mode. In this case, switch to DVD control and execute the normal recording procedure while operating the DVC.</li> </ul>
	Certain functions of the DVC cannot operate.	<ul style="list-style-type: none"> <li>Some functions may not operate depending on the type of DVC. For example, if the DVC does not support slow playback mode, the slow playback function is disabled.</li> <li>With DV (AV4), the disc display menu does not appear unless disc playback is executed.</li> </ul>
	DV audio signal cannot be switched.	<ul style="list-style-type: none"> <li>For recording with the DVC, the recording audio signal can be set to 12 bits or 16 bits. However, when 16-bit recording mode is selected, audio signal cannot be switched. To record an audio signal, set it to 12 bits.</li> </ul>
No image from HDMI connection.	<ul style="list-style-type: none"> <li>Check the HDMI connection. (Check the status of the HDMI related indications.)</li> <li>Check whether the connected monitor device or other device supports HDCP. (This unit will not output a video signal unless the other device supports HDCP.)</li> <li>Check the setting of HDMI.</li> <li>Check whether the output format of this unit (HDMI FORMAT) matches the supported input format of other connected device.</li> <li>If the unit is connected to the unauthorised display device with an HDMI cable, the audio and video signals may not be output when playing back a commercial DVD-video.</li> </ul>	

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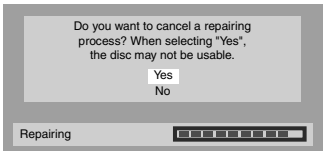


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	Symptom	Remedy
CHANNEL	TV channels cannot be changed.	<ul style="list-style-type: none"> <li>• Check if the connections are made securely and correctly.</li> <li>• Check if the cables are damaged.</li> <li>• Try "Channel" setting by following the steps on pages 82 - 87.</li> <li>• Check if you are performing the Time Shift Buffer. In such a case, press <b>[LIVE TV]</b>.</li> </ul>
	Changes for DVB channels such as tuning and channel editing are not saved.	<ul style="list-style-type: none"> <li>• After tuning or making any changes to DVB channels, press <b>[⏻ (STANDBY-ON)]</b> to save. Do not unplug the AC mains cable for at least 1 minute.</li> </ul>
	Only specific channels do not appear.	<ul style="list-style-type: none"> <li>• The channels may be set to be skipped. (See page 84.)</li> </ul>
GENERAL	The image from the external device cannot be displayed.	<ul style="list-style-type: none"> <li>• Try pressing <b>[SOURCE]</b> repeatedly.</li> <li>• Turn on all connected devices.</li> <li>• Check if the connections are made securely and correctly.</li> </ul>
	Recording is impossible.	<ul style="list-style-type: none"> <li>• It is prohibited to make a recording from 2 minutes before the programmed start time of a timer recording.</li> <li>• This unit cannot record programmes that contain copy protection signal. This is not a malfunction.</li> <li>• The space of the recording media may be used up. Try deleting unnecessary titles, or exchange it with the recordable media.</li> <li>• The maximum number of titles or chapters has exceeded. Delete the unnecessary titles to make enough space or insert a new recordable media.</li> <li>• Check if the connections are made securely and correctly.</li> </ul>
HDD / DVD	Timer recording cannot be performed.	<ul style="list-style-type: none"> <li>• The internal clock of the unit may have been stopped due to a power failure that lasted for more than 30 seconds. Reset the clock. (See page 89.)</li> </ul>
RECORDING	The picture of the Time Shift Buffer disappears.	<ul style="list-style-type: none"> <li>• The contents of the Time Shift Buffer will be cleared in some cases (Changing input channel etc.). (See page 30.)</li> </ul>
	When playing back the title recorded from the Time Shift Buffer, the digital TV programme information is displayed and it cannot be disappeared.	<ul style="list-style-type: none"> <li>• In the Time Shift Buffer, when you display the digital TV programme information, the information will be recorded as the part of the picture.</li> </ul>
	Recording is impossible.	<ul style="list-style-type: none"> <li>• Copy-once programmes can only be copied onto an Internal HDD.</li> <li>• Check if the disc is protected or finalised. Undo the protection or the finalisation.</li> <li>• Check if the connections are made securely and correctly.</li> </ul>
DVD	<p>"Repairing" appears on the TV screen.</p> 	<ul style="list-style-type: none"> <li>• If there is a power failure or unplugging during recording, finalising, formatting or editing (even after "Repairing" disappears), a repairing process will begin automatically just after turning the unit on again.</li> <li>• It may take several minutes up to about several hours.</li> </ul>
	<p>In a case you intend to cancel the repairing process.</p> 	<ul style="list-style-type: none"> <li>• If you intend to cancel the repairing process, press <b>[OPEN/CLOSE ▲]</b> on the front panel, then select "Yes" and press <b>[OK]</b>. After that, press <b>[▲ (OPEN/CLOSE)]</b> to take out the disc. The disc cancelled during the repairing process <b>MAY NOT</b> work.</li> </ul>
	<p>The indication "Writing to Disc  100%" does not disappear.</p>	<ul style="list-style-type: none"> <li>• "<b>Writing to Disc  100%</b>" may remain on screen for the maximum of 20 seconds even after it reached 100 %. This is not a malfunction.</li> </ul>
PLAYBACK	TV aspect ratio does not match your TV screen.	<ul style="list-style-type: none"> <li>• Check "TV Shape" setting. (See page 79.)</li> <li>• A different aspect ratio will be used when the aspect ratio specified by the disc is not supported by this unit.</li> </ul>
	<p>Playback picture is distorted. Colour of the picture is abnormal.</p>	<ul style="list-style-type: none"> <li>• During fast forward or fast reverse, playback picture may be distorted. This is not a malfunction.</li> <li>• Connect to TV directly. When you connect this unit with the television via VCR or other devices, the picture may be distorted due to the copy-protection signal.</li> <li>• Check if the cables are damaged.</li> <li>• Keep the equipment which may cause electrical disturbances, such as a cellular phone, away.</li> </ul>



	Symptom	Remedy
GENERAL	There is no sound, or no subtitle.	<ul style="list-style-type: none"> <li>• Turn on all connected devices.</li> <li>• Check if the external input channel is set correctly.</li> <li>• Check if the connections are made securely and correctly.</li> <li>• If using the HDMI connection, sound is not output when "HDMI Audio" is set to "OFF".</li> <li>• Check the RCA audio cable connection. If you are using HDMI-DVI conversion cable, you must connect the RCA audio cable, too.</li> <li>• If using the HDMI connection, check whether the output format of this unit (HDMI FORMAT) matches the supported input format of other connected device.</li> </ul>
	HDD/DVD Playback does not start from the beginning.	<ul style="list-style-type: none"> <li>• Resume function may be activated. Refer to page 54 to cancel the resume point.</li> </ul>
PLAYBACK	HDD HDD playback suddenly stops.	<ul style="list-style-type: none"> <li>• When DVD recording finishes during HDD playback, the unit will stop the HDD playback, and start writing data to the DVD. This is not a malfunction.</li> </ul>
	Playback cannot be performed.	<ul style="list-style-type: none"> <li>• Check if the playable disc is inserted.</li> <li>• Check if the disc is loaded correctly with the labelled side facing up.</li> <li>• Discs made on other devices or on personal computers cannot be played back on this unit unless it is finalised on the device.</li> <li>• Even if it is finalised, the performance of those discs are not guaranteed on this unit.</li> <li>• The disc may be dirty or flawed. Clean the disc.</li> <li>• Check if all the connections are made correctly.</li> <li>• Check "Parental Lock" setting. (See page 75.)</li> <li>• Playback of DVD is prohibited from 2 minutes before the programmed start time of a timer recording when the recording media is DVD.</li> </ul>
	DVD There is no sound, or no subtitle.	<ul style="list-style-type: none"> <li>• Check if all the connections are made correctly.</li> <li>• Check if the "Disc Audio" is set correctly. (See page 76.)</li> <li>• There is a possibility that the selected subtitle language is not supported by the disc.</li> </ul>
	Digital audio setting cannot be changed to main audio (L), sub audio (R) or combination of both.	<ul style="list-style-type: none"> <li>• If the audio source is in the Dolby Digital format, set "Dolby Digital" setting to "PCM" in "Disc Playback" menu. (available only for DVD) (See page 76.)</li> </ul>
	Audio language or the subtitle language of the DVD cannot be changed.	<ul style="list-style-type: none"> <li>• Multilingual subtitles are not supported by the disc.</li> <li>• Some audio languages or the subtitle languages can be changed only from the disc menu. Please refer to the disc's manual.</li> </ul>
	Angles cannot be changed.	<ul style="list-style-type: none"> <li>• Even though the multi-angle feature is supported by the disc, that does not mean all the scenes are shot from multi-angles. Changing angles is available only for those scenes shot from the multi-angle.</li> </ul>
EDITING	DVD The disc cannot be played back on other player even though it is finalised properly.	<ul style="list-style-type: none"> <li>• Some DVD players do not play back the disc made on other recorder. Refer to the manual of the unit.</li> </ul>
	HDD / DVD Titles cannot be edited or deleted.	<ul style="list-style-type: none"> <li>• The titles or the disc itself may be protected. Cancel the protection by following the steps on page 69 for title protection and page 44 for disc protection.</li> </ul>
	Dubbing cannot be executed.	<ul style="list-style-type: none"> <li>• When the number of the titles or the chapters exceeds the maximum recordable number, the dubbing will not be executed.</li> </ul>
	DVD Titles cannot be edited or deleted.	<ul style="list-style-type: none"> <li>• The titles in the DVD+R/-R cannot be edited or deleted if they are finalised. If it is DVD-RW, undo the finalisation by following the steps on pages 44 - 45.</li> </ul>
	The capacity of the disc doesn't increase even if the recorded programme is deleted.	<ul style="list-style-type: none"> <li>• With DVD+RW/-RW, the disc space will increase only when the last title is deleted. With DVD-R/+R, deleting a title will not increase the disc space.</li> </ul>
REMOTE CONTROL	Dubbing cannot be executed.	<ul style="list-style-type: none"> <li>• Check if the disc is compatible for recording. (See page 25.)</li> </ul>
	The remote control does not function.	<ul style="list-style-type: none"> <li>• No batteries in the remote control or the batteries may be weak. Replace the batteries.</li> <li>• Make sure there is no obstacle between the remote control and the unit.</li> <li>• Try getting closer to the unit. (See page 11.)</li> <li>• If above solutions do not solve the problem, please call an Authorised Service Centre.</li> </ul>

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Error message	Cause	Solution
Disc Error -- Please eject the disc. -- Playback feature may not be available on this disc.	<ul style="list-style-type: none"> <li>An unplayable disc is inserted in the unit.</li> <li>The disc is upside down.</li> </ul>	<ul style="list-style-type: none"> <li>Insert a standard disc.</li> <li>Insert the disc with the labelled side facing up.</li> </ul>
Region Error -- Please eject the disc. -- Playback is not authorized in your region.	<ul style="list-style-type: none"> <li>Playback is not authorised in the region of the DVD-Video that you inserted in the unit.</li> </ul>	<ul style="list-style-type: none"> <li>Insert a DVD-Video with region codes 2 or ALL.</li> </ul>
Parental Lock On The current selected parental level prohibits playback.	<ul style="list-style-type: none"> <li>The current selected parental level in "HOME" menu prohibits playback.</li> </ul>	<ul style="list-style-type: none"> <li>Check the "Parental Lock" setting. (See page 75.)</li> </ul>
Recording Error This programme is not allowed to be recorded.	<ul style="list-style-type: none"> <li>The recording function encountered a copy prohibited programme.</li> <li>Original source is in NTSC system.</li> </ul>	<ul style="list-style-type: none"> <li>You cannot record copy prohibited programmes.</li> </ul>
Recording Error Can not record on this disc.	<ul style="list-style-type: none"> <li>You are trying to record onto a disc that is unrecordable, or the disc status does not satisfy recording requirements.</li> <li>The disc is dirty.</li> <li>The disc is damaged.</li> </ul>	<ul style="list-style-type: none"> <li>Insert a recordable disc, and ensure the disc status satisfies the recording requirements. (See page 25.)</li> <li>Clean the disc with a cleaning cloth.</li> <li>Replace the disc.</li> <li>Switch to HDD mode.</li> <li>Disc may need formatting.</li> </ul>
Recording Error This disc is protected and not recordable.	<ul style="list-style-type: none"> <li>You are trying to record onto the protected disc which is set in "Disc Editing" menu.</li> </ul>	<ul style="list-style-type: none"> <li>Release the disc protect setting in "Disc Editing" menu. (See page 44.)</li> </ul>
Recording Error You cannot record more than 49 titles on one disc. (The maximum is 49)	<ul style="list-style-type: none"> <li>You are trying to record onto the disc for which the number of recording titles comes up to the maximum (49).</li> </ul>	<ul style="list-style-type: none"> <li>Delete unnecessary titles. (See pages 65 - 66.)</li> </ul>
Recording Error You cannot record more than 254 chapters on one disc. (The maximum is 254)	<ul style="list-style-type: none"> <li>You are trying to record onto the DVD+RW or DVD-RW disc for which the number of recording chapters comes up to the maximum (254).</li> </ul>	<ul style="list-style-type: none"> <li>Delete unnecessary chapter marks. (See pages 68 - 69.)</li> </ul>
Recording Error You cannot record on this disc as Power Calibration Area is full.	<ul style="list-style-type: none"> <li>When recordings are performed repeatedly onto an unstable disc, this area may become full.</li> <li>Every time you insert a disc for recording, part of the disc's working area will be used. If you repeat this frequently, it will be used up quicker and you may not be able to record maximum number of titles for the disc.</li> </ul>	<ul style="list-style-type: none"> <li>Insert a new disc.</li> </ul>
Recording Error This disc is already finalised.	<ul style="list-style-type: none"> <li>You are trying to record onto a disc that is already finalised.</li> </ul>	<ul style="list-style-type: none"> <li>Release the finalising for the disc. (See pages 44 - 45.)</li> </ul>
Recording Error The disc has no recording compatibility. Set "Make Rec. Compatible" to "ON" to convert the disc.	<ul style="list-style-type: none"> <li>You are trying to record onto the unfinalised +VR mode discs recorded on other unit.</li> </ul>	<ul style="list-style-type: none"> <li>Set "Make Rec. Compatible" to "ON" to rewrite the menu, after that you will record to disc. (See page 26.)</li> </ul>
Recording Error You cannot record more than 600 titles on HDD. (The maximum is 600.)	<ul style="list-style-type: none"> <li>You are trying to record onto the HDD when total title number is already at its limit.</li> </ul>	<ul style="list-style-type: none"> <li>Delete unnecessary titles. (See pages 65 - 66.)</li> </ul>
Recording Error Can not record on this HDD.	<ul style="list-style-type: none"> <li>The internal HDD is dirty or damaged.</li> <li>There is not enough space on the internal HDD.</li> </ul>	<ul style="list-style-type: none"> <li>Contact the customer service centre.</li> <li>Delete unnecessary titles. (See pages 65 - 66.)</li> </ul>

\* If you are still having trouble with the unit after checking all the Troubleshooting points, write down the error code and the error description and consult your dealer or an authorised service centre.

## Language Code

Language	Code	Language	Code	Language	Code	Language	Code
Abkhazian	4748	French	5264	Lithuanian	5866	Sindhi	6550
Afar	4747	Frisian	5271	Macedonian	5957	Singhalese	6555
Afrikaans	4752	Galician	5358	Malagasy	5953	Siswat	6565
Albanian	6563	Georgian	5747	Malay	5965	Slovak	6557
Amharic	4759	German	5051	Malayalam	5958	Slovenian	6558
Arabic	4764	Greek	5158	Maltese	5966	Somali	6561
Armenian	5471	Greenlandic	5758	Maori	5955	Spanish	5165
Assamese	4765	Guarani	5360	Marathi	5964	Sundanese	6567
Aymara	4771	Gujarati	5367	Moldavian	5961	Swahili	6569
Azerbaijani	4772	Hausa	5447	Mongolian	5960	Swedish	6568
Bashkir	4847	Hebrew	5569	Nauru	6047	Tagalog	6658
Basque	5167	Hindi	5455	Nepali	6051	Tajik	6653
Bengali; Bangla	4860	Hungarian	5467	Norwegian	6061	Tamil	6647
Bhutani	5072	Icelandic	5565	Occitan	6149	Tatar	6666
Bihari	4854	Indonesian	5560	Oriya	6164	Telugu	6651
Bislama	4855	Interlingua	5547	Oromo (Afan)	6159	Thai	6654
Breton	4864	Interlingue	5551	Panjabi	6247	Tibetan	4861
Bulgarian	4853	Inupiak	5557	Pashto; Pushto	6265	Tigrinya	6655
Burmese	5971	Irish	5347	Persian	5247	Tonga	6661
Byelorussian	4851	Italian	5566	Polish	6258	Tsonga	6665
Cambodian	5759	Japanese	5647	Portuguese	6266	Turkish	6664
Catalan	4947	Javanese	5669	Quechua	6367	Turkmen	6657
Chinese	7254	Kannada	5760	Rhaeto-Romance	6459	Twi	6669
Corsican	4961	Kashmiri	5765	Romanian	6461	Ukrainian	6757
Croatian	5464	Kazakh	5757	Russian	6467	Urdu	6764
Czech	4965	Kinyarwanda	6469	Samoan	6559	Uzbek	6772
Danish	5047	Kirghiz	5771	Sangho	6553	Vietnamese	6855
Dutch	6058	Kirundi	6460	Sanskrit	6547	Volapuk	6861
English	5160	Korean	5761	Scots Gaelic	5350	Welsh	4971
Esperanto	5161	Kurdish	5767	Serbian	6564	Wolof	6961
Estonian	5166	Laothian	5861	Serbo-Croatian	6554	Xhosa	7054
Faroese	5261	Latin	5847	Sesotho	6566	Yiddish	5655
Fiji	5256	Latvian; Lettish	5868	Setswana	6660	Yoruba	7161
Finnish	5255	Lingala	5860	Shona	6560	Zulu	7267

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## Glossary

### **Analogue audio**

An electrical signal that directly represents sound. In contrast, digital audio can also be an electrical signal, but is an indirect representation of sound. See also "Digital audio".

### **Aspect ratio**

The width of a TV screen relative to its height. Conventional TVs are 4:3 (i.e., the screen is almost square). Widescreen models are 16:9 (the screen is almost twice as wide as its height).

### **Chapter (HDD/DVD)**

Just as a book is split up into several chapters, a title on an HDD/DVD is usually divided into chapters. See also "Title(HDD/DVD)".

### **Component video output**

Each signal of luminance(Y) and component ( $P_B/C_B$ ,  $P_R/C_R$ ) is independent to output so that you can experience picture colour as it is intended to be.

Also, due to compatibility with progressive video (576p/480p), you can experience high-definition picture than that in interlace (576i/480i signal).

### **Digital audio**

An indirect representation of sound using numbers. During recording, the sound is measured at discrete intervals (44,100 times a second for CD audio) by an analogue-to-digital converter, generating a stream of numbers. On playback, a digital-to-analogue converter generates an analogue signal based on these numbers. See also "Sampling frequency" and "Analogue audio".

### **Dolby Digital**

A system developed by Dolby Laboratories that compresses digital sound. It works with stereo (2ch) or multi-channel audio.

### **Finalise**

To make DVDs that have been recorded playable in DVD players. It is possible to finalise DVD-RW/-R and DVD+R discs with this unit.

### **HDMI (High Definition Multimedia Interface)**

A digital interface between audio and video source. It can transmit component video, audio, and control signal with one cable connection.

### **JPEG (Joint Photographic Experts Group)**

JPEG is a method of compressing still image files. You can copy JPEG files on CD-RW/-R discs from a computer and play back the files on this unit.

### **MP3 (MPEG Audio Layer 3)**

MP3 is a method of compressing files. You can copy MP3 files on CD-RW/-R discs from a computer and play back the files on this unit.

### **PBC (Video CD only) (Playback Control)**

This function enables you to play back interactive software using a menu screen. See also "Title (Video CD)".

### **PCM (Pulse Code Modulation)**

PCM is a format that converts audio into digital data. It is mainly used for Audio CDs and DAT. This unit can play back sounds as realistic as possible by converting even compressed Dolby Digital and MPEG audio to PCM.

### **Progressive Scan (576p/480p)**

A type of display that does not split each frame into fields, and instead scans directly through all the scanlines of each frame in order. Progressive Scan provides less flickering and higher image resolution than traditional (576i/480i) TV signals. Refer to pages 17 and 79 - 80 for instructions on the Progressive Scan mode selection.

### **Region code**

Regions associate discs and players with particular areas of the world. This unit will only play back discs that have compatible region codes. You can find the region code of your unit by looking on the rear panel. Some discs are compatible with more than one region (or all regions).

### **Sampling frequency**

The rate at which sound is measured by a specified interval to turn it into digital audio data. The number of samples in one second is defined as the sampling frequency. The higher the rate is, the better the possible sound quality.

### **Title (HDD/DVD)**

A collection of chapters on an HDD/DVD. See also "Chapter (HDD/DVD)".

### **(Video CD)**

The contents of a Video CD. When playing back a Video CD with the PBC function, the Title Menu will appear automatically.

### **Track**

Audio CDs and Video CDs use tracks to divide the contents of a disc. The DVD equivalent is called a chapter. See also "Chapter (HDD/DVD)".

### **Windows Media™ Audio**

Windows Media™ Audio is the audio compressing technology developed by Microsoft. You can copy Windows Media™ Audio files on CD-RW/-R from a computer and play them back on this unit.

## Specifications

### General

HDD	Internal 3.5 inch HDD 160 GB
Power requirements	220–240 V $\sim \pm 10\%$ , 50 Hz $\pm 0.5\%$
Power consumption	35 W
Power consumption (standby)	5.8 W (When "Front panel brightness" is set to "OFF": 2.5 W)
Weight	3.8 kg
Dimensions (width x height x depth)	420 x 59 x 315 mm
Operating temperature	5°C to 40°C
Operating humidity	Less than 80 % (no condensation)
TV system	PAL-I

### Recording

Recording format	+VR format
Recordable discs	DVD+Rewritable, DVD+Recordable DVD-Rewritable, DVD-Recordable (+VR mode only)

### Video recording format

Sampling frequency	13.5 MHz
Compression format	MPEG

### Audio recording format

Sampling frequency	48 kHz
Compression format	Dolby Digital

### Tuner

Receiveable channels	IRA - E69 (For analogue channels) E21 - E69 (For DVB-T channels)
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### Input/Output

#### Front Panel : (AV3 / AV4)

Video input	One RCA connector
Input level	1 Vp-p (75 $\Omega$ )
S-Video input	One Mini DIN 4-pin jack
Input level	Y (luminance) 1 Vp-p (75 $\Omega$ ) C (colour) 300 mVp-p (75 $\Omega$ )
Audio input	Two RCA connectors
Input level	2 Vrms (input impedance: more than 10 k $\Omega$ )
Digital Video input	IEEE 1394
Digital Video 4-pin jack	

#### Rear Panel :

VHF/UHF antenna input/output terminal	75 $\Omega$
Audio input /output	Two 21-pin scart sockets (AV1, AV2)
Video input /output	Two 21-pin scart sockets (AV1, AV2)
Input /output level	1 Vp-p (75 $\Omega$ ) each
Component video output	Three RCA connectors
Output level	Y: 1.0 Vp-p (75 $\Omega$ ) P <sub>B</sub> /C <sub>B</sub> , P <sub>R</sub> /C <sub>R</sub> : 0.7 Vp-p (75 $\Omega$ ) each
Audio output	Two RCA connectors
Output level	2 Vrms (output impedance: 680 $\Omega$ )
Digital audio output	One Coaxial pin jack
Output level	500 mVp-p (75 $\Omega$ )
HDMI output	HDMI jack

### Note

The specifications and design of this product are subject to change without notice.

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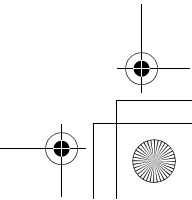
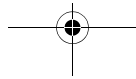
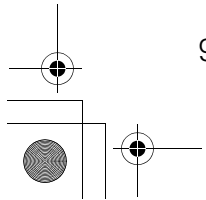
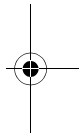
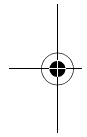
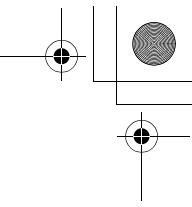
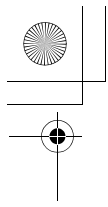
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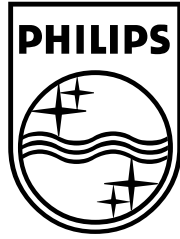
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jpkm\_0838/05-1

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