SONY®

Hard Disk Recorder

Operating Instructions

To find out useful hints, tips and information about Sony products and services please visit: www.sony-europe.com/myproduct/

SVR-HDT500 / SVR-HDT1000

WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only. Batteries or batteries installed apparatus shall not be exposed to excessive heat such as sunshine, fire or the like.

Notice for customers in the United Kingdom and Republic of Ireland
A molded plug complying with BS1363 is fitted to this equipment for your safety and convenience. Should the fuse in the plug supplied need to be replaced, a fuse of the same rating as the supplied one and approved by ASTA or BSI to BS1362, (i.e., marked with ⓐ or ♡ mark) must be used.
If the plug supplied with this equipment has a detachable fuse cover, be sure to attach the fuse cover after you change the fuse. Never use the plug without the fuse cover. If you should lose the fuse cover, please contact your nearest Sony service station.

Precautions
- The supplied AC adaptor must be used to power this recorder. Check that the AC adaptor operating voltage is identical with your local power supply.
- To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the apparatus.
- Install this system so that the mains lead can be unplugged from the wall socket immediately in the event of trouble.

Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. 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. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

Pb

Disposal of waste batteries (applicable in the European Union and other European countries with separate collection systems)

This symbol on the battery or on the packaging indicates that the battery provided with this product shall not be treated as household waste.
On certain batteries this symbol might be used in combination with a chemical symbol. The chemical symbols for mercury (Hg) or lead (Pb) are added if the battery contains more than 0.0005% mercury or 0.004% lead.
By ensuring these batteries are disposed of correctly, you will help prevent potentially negative consequences for the environment and human health which could otherwise be caused by inappropriate waste handling of the battery. The recycling of the materials will help to conserve natural resources.

In case of products that for safety, performance or data integrity reasons require a permanent connection with an incorporated battery, this battery should be replaced by qualified service staff only.
To ensure that the battery will be treated properly, hand over the product at end-of-life to the applicable collection point for the recycling of electrical and electronic equipment.

For all other batteries, please view the section on how to remove the battery from the product safely. Hand the battery over to the applicable collection point for the recycling of waste batteries.

2

For more detailed information about recycling of this product or battery, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

The manufacturer of this product is Sony Corporation, 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan. The Authorized Representative for EMC and product safety is Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Germany. For any service or guarantee matters please refer to the addresses given in separate service or guarantee documents.

Precautions

This equipment has been tested and found to comply with the limits set out in the EMC Directive using a connection cable shorter than 3 metres.

On safety

Should any solid object or liquid fall into the cabinet, unplug the recorder and have it checked by qualified personnel before operating it any further.

About the hard disk drive

The hard disk has a high storage density, which enables long recording durations and quick access to the written data. However, it can easily be damaged by shock, vibration or dust, and should be kept away from magnets. To avoid losing important data, observe the following precautions.
- Do not apply a strong shock to the recorder.
- Do not place the recorder in a location subject to mechanical vibrations or in an unstable location.
- Do not place the recorder on top of a hot surface, such as a VCR or amplifier (receiver).
- Do not use the recorder in a place subject to extreme changes in temperature (temperature gradient less than 10 °C/hour).
- Do not move the recorder with its mains lead connected.
- Do not disconnect the mains lead while the power is on.
- Do not move the recorder for one minute after you have unplugged the mains lead.
- Do not attempt to replace or upgrade the hard disk by yourself, as this may result in malfunction.
- When disconnecting the mains lead, turn off the power and make sure that the hard disk drive is not operating (for at least 30 seconds after the power indicator has turned off and all recording stopped).

If the hard disk drive should malfunction, you cannot recover lost data. The hard disk drive is only a temporary storage space.

About repairing the hard disk drive
- The contents of the hard disk drive may be checked in case of repair or inspection during a malfunction or modification. However, the contents will not be backed up or saved by Sony.
- If the hard disk needs to be formatted or replaced, it will be done at the discretion of Sony. All contents of the hard disk drive will be erased, including contents that violate copyright laws.

On power sources
- The recorder is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the recorder itself has been turned off.
- If you are not going to use the recorder for a long time, be sure to disconnect the recorder from the wall outlet. To disconnect the mains lead, grasp the plug itself; never pull the cord.
- Observe following points to prevent the mains lead being damaged. Do not use the mains lead if it is damaged, as doing so may result in an electric shock or fire.
  – Do not pinch the mains lead between the recorder and wall, shelf, etc.
  – Do not put anything heavy on the mains lead or pull on the mains lead itself.

On AC adaptor
- Use the supplied AC adaptor for this recorder, as other adaptors may cause a malfunction.
- Do not disassemble or reverse-engineer.

3

- Do not confine the AC adaptor in a closed place such as a bookshelf or an AV cabinet.
- Do not connect the AC adaptor to a traveler's electric transformer, which may generate heat and cause a malfunction.
- Do not drop or apply shock.

On placement
- Place the recorder in a location with adequate ventilation to prevent heat build-up in the recorder.
- Do not place the recorder on a soft surface such as a rug that might block the ventilation holes.
- Do not place the recorder in a confined space such as a bookshelf or similar unit.
- Do not place the recorder in a location near heat sources, or in a place subject to direct sunlight, excessive dust, or mechanical shock.
- Do not place the recorder in an inclined position. It is designed to be operated in a horizontal position only.
- Keep the recorder away from equipment with strong magnets, such as microwave ovens, or large loudspeakers.
- Do not place heavy objects on the recorder.

On recording
Make trial recordings before making the actual recording.

On compensation for lost recordings
Sony is not liable and will not compensate for any lost recordings or relevant losses, including when recordings are not made due to reasons including recorder failure, or when the contents of a recording are lost or damaged as a result of recorder failure or repair undertaken to the recorder. Sony will not restore, recover, or replicate the recorded contents under any circumstances.

IMPORTANT NOTICE
Caution: This recorder is capable of holding a still video image or on-screen display image on your television screen indefinitely. If you leave the still video image or on-screen display image displayed on your TV for an extended period of time you risk permanent damage to your television screen. Plasma display panels and projection televisions are especially susceptible to this.

If you have any questions or problems concerning your recorder, please consult your nearest Sony dealer.

About this manual

Check your model name
The instructions in this manual are for 2 models: SVR-HDT500 and SVR-HDT1000. Check your model name by looking at the front panel of the recorder.

- Instructions in this manual describe the controls on the remote. You can also use the controls on the recorder if they have the same or similar names as those on the remote.
- The on-screen display illustrations used in this manual may not match the graphics displayed on your TV screen.
- NEED-to-know information (to prevent incorrect operation) is listed under the ❻ icon. NICE-to-know information (tips and other useful information) is listed under the ❝ icon.

Table of Contents

Copying to an External HDD Device

Settings and Adjustments

Additional Information

Guide to Parts and Controls

For more information, see the pages in parentheses.

Front panel
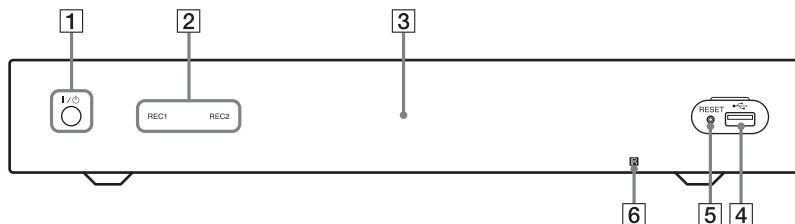
1. **I/⏻ (on/standby)**
   Turns the recorder on or off.

2. **REC1/REC2 indicators**

3. **Power indicator**
   Lights up in white when the recorder is turned on.

4. **⟵ USB jack (26, 28, 31)**
   Connect a USB device to this jack.

5. **RESET**
   When the recorder does not operate properly, press and hold the RESET button for more than 3 seconds.
   When picture noise appears after you change the "HDMI Resolution" setting, briefly press the RESET button (page 33).

6. **⟦ (remote sensor)**

Rear panel
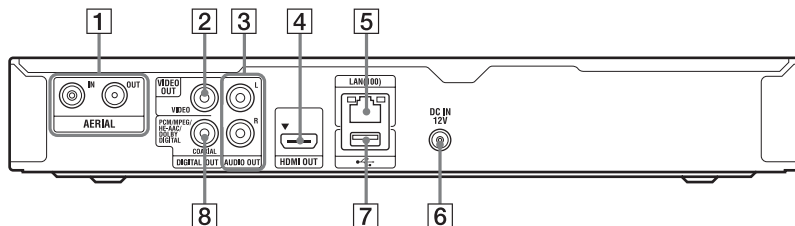
1. **AERIAL IN/OUT jacks (10)**

2. **VIDEO OUT jack (12)**

3. **AUDIO OUT L/R jacks (12)**

4. **HDMI OUT jack (11)**

5. **LAN (100) terminal (14)**
   Used for future expansion.

6. **DC IN jack (13)**

7. **⟵ USB jack (26, 28, 31)**
   Connect a USB device to this jack.

8. **DIGITAL OUT (COAXIAL) jack (12)**

7

Remote
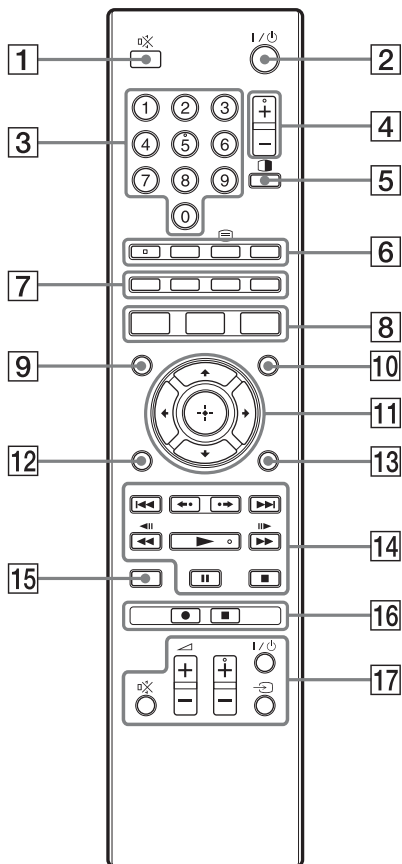
🔆
Number 5, AUDIO, PROG +, ►, and TV
PROG + buttons have a tactile dot. Use the tactile
dot as a reference when operating the recorder.

1 ⓧ **(muting)**

Turns off the recorder's output sound. If
the sound is not turned off by pressing
ⓧ (muting), press TV ⓧ (muting).

2 **I/① (on/standby)**

Turns the recorder on or off.

3 **Number buttons**

Enters the programme numbers, etc.

4 **PROG (programme) +/–**

Changes a programme.

5 ▢ **(PIP) (16)**

Displays the sub-screen.

6 **AUDIO**

Selects an audio language.

SUBTITLE
Selects a subtitle language.

▤ **(text) (15)**
Displays text information.

TV/RADIO
Switches between TV and radio
channels.

7 **Colour buttons (red/green/
yellow/blue)**

Shortcut keys for variable functions.

8 **SYSTEM MENU (32)**
Displays the System Menu.

TITLE LIST (24, 26, 29)
Displays the "Title list."

GUIDE (18)
Displays the EPG screen.

9 **TIMER (20)**
Displays the "Timer list."

10 **INFO (information) (15)**
Displays the programme information.

11 **←/↑/↓/→/⊕ (enter)**
Selects a desired item.

12 **RETURN**
Returns to the previous display.

13 **OPTIONS**
Available items differ depending on the
situation.

14 **I◄◄ /►►I (previous/next) (25)**

**←•/ •→ (instant replay/instant
advance) (25)**

**◄◄◄II/II►►► (search/freeze
frame) (25)**

► (play) (24)

II (pause) (25)

■ (stop) (24)

8

15 **REPEAT (25)**

Repeats a title/file.

16 ● **REC**

Starts recording a title.

■ **REC STOP**

Stops recording a title.

17 **TV I/**$\circlearrowleft$ **(on/standby) (44)**

TV ⊸ **(input select) (44)**

TV PROG (programme) +/– (44)

TV ◢ **(volume) +/– (44)**

TV ◫※ **(muting) (44)**

Step 1: Connecting the Aerial Cable

Connect the aerial cable by following the steps below. Do not connect the mains lead until you have made all the connections.
To watch TV in standby mode, set "Standby Mode" to "Mode 2" in "Step 3: Easy Setup" (page 13) or use a splitter (not supplied) to divide aerial input signals between the TV and the recorder.

: Signal flow
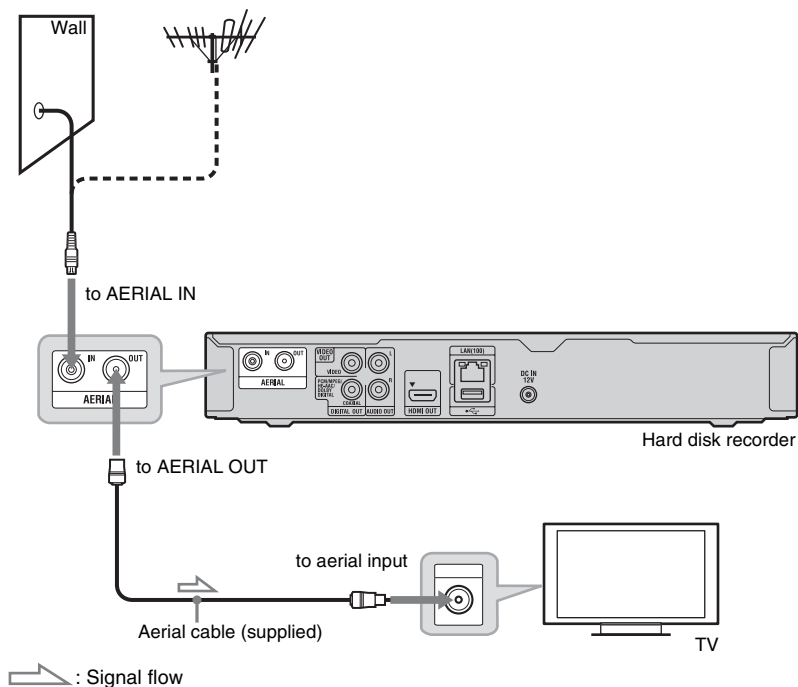
1 Disconnect the aerial cable from your TV, and connect it to AERIAL IN on the rear panel of the recorder.

2 Connect AERIAL OUT of the recorder to the aerial input of your TV using the supplied aerial cable.

Step 2: Connecting the TV and Audio Component

Select one of the following patterns according to the input jack on your TV, or audio component.

Connecting an HDMI cable

Use a certified HDMI cable to enjoy high-quality digital picture and sound through the HDMI OUT jack.

To connect a TV

Hard disk recorder

TV

HDMI cable (supplied)

HDMI OUT

HDMI IN
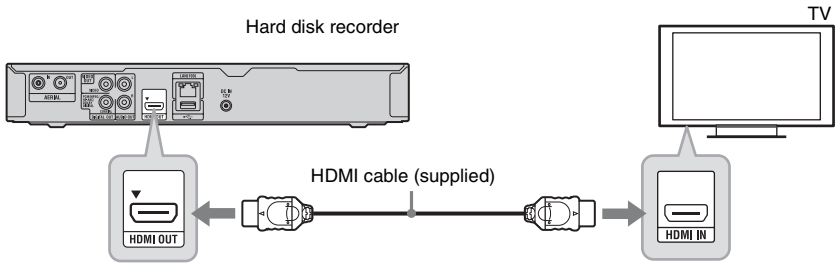
To connect a TV through an audio component

Hard disk recorder

Audio component

TV

HDMI OUT

HDMI cable (supplied)

HDMI IN   HDMI OUT

HDMI cable (not supplied)

HDMI IN
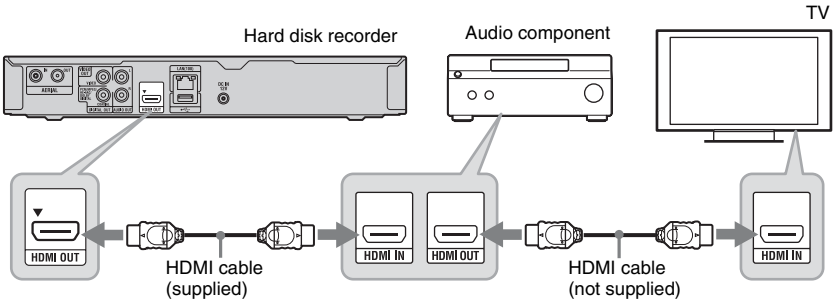
ϔ́
When connecting a Sony TV/audio component that is compatible with the "Control for HDMI" function, see page 17.

Connecting other cables
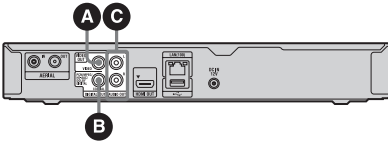
To connect to video jacks

Connecting to video jacks will enable you to view pictures.

Ⓐ Video output jack

Yellow — — Yellow
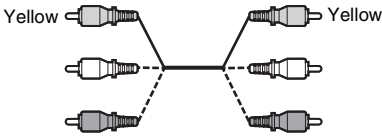
You will enjoy standard quality images.

To connect to audio jacks

Connecting to audio jacks will enable you to listen to sound.

Ⓑ Digital audio output jack (COAXIAL)

If your audio component has a Dolby* Digital decoder and a digital input jack, use this connection. You can enjoy Dolby Digital (5.1ch) surround effects.

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

Ⓒ Audio L/R (left/right) output jacks

White (L) — White (L)
Red (R) — Red (R)
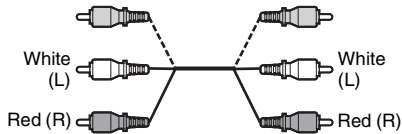
This connection will use your TV's or audio component's two speakers for sound.

When connecting to the HDMI jack

Follow the steps below. Improper handling may damage the HDMI jack and the connector.

1 Carefully align the HDMI jack on the rear of the recorder and the HDMI connector by checking their shapes. Make sure the connector is not upside down or tilted.

Connector is upside down   Not straight
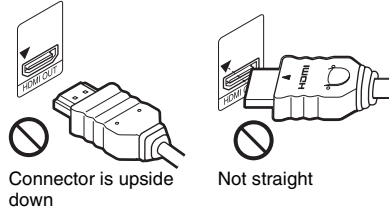
2 Insert the HDMI connector straight into the HDMI jack.
Do not bend or apply pressure to the HDMI connector.
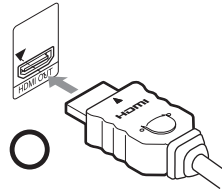
☣
- Do not connect more than one type of video cable between the recorder and your TV at the same time.
- You cannot connect the HDMI OUT jack to DVI jacks that are not HDCP compliant (e.g., DVI jacks on PC displays).
- When connecting to the HDMI OUT jack or DIGITAL OUT (COAXIAL) jack, after you have completed the connection, make the appropriate settings in the "AV Setting" setup (page 33). Otherwise, no sound or a loud noise will come from your speakers.
- Be sure to disconnect the HDMI cable when moving the recorder.
- Do not press the recorder against the cabinet wall when you place the recorder in a cabinet with the HDMI cable connected. It may damage the HDMI jack or the HDMI cable.
- Do not twist the HDMI connector while connecting to or disconnecting from the HDMI jack to avoid damaging the HDMI jack and connector.

Step 3: Easy Setup

Be careful not to disconnect the cables or exit the "Easy Setup" function during this procedure.

1 **Insert two R6 (size AA) batteries by matching the ⊕ and ⊖ ends on the batteries to the markings inside the battery compartment.**
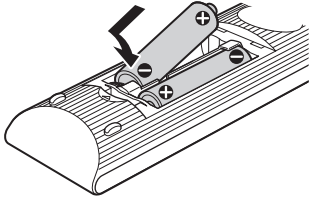
2 **Connect the supplied AC adaptor in the numeric order shown in the following illustration.**
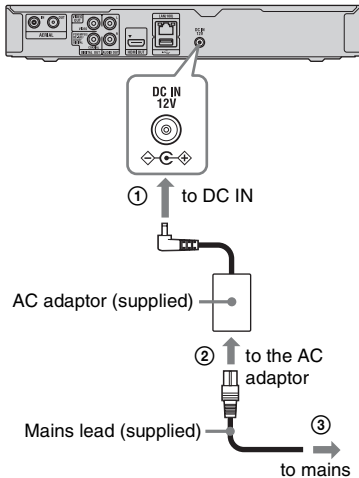
3 **Turn on the recorder and your TV. Then switch the input selector on your TV so that the signal from the recorder appears on your TV screen.**

4 **Follow the on-screen instructions to make each setting, and press ⊕ to proceed.**

◆ **TV Type**
- If you have a widescreen TV, select "16:9 Widescreen."
- If you have a standard TV, select "4:3 LetterBox."

◆ **Full Rescan**
The recorder automatically starts scanning channels. Select "Save" when the scanning is finished.
- Depending on your area, select your region using ⊕ and ↑/↓ after scanning. And then select "OK."

◆ **Standby Mode**
Select the standby mode suited to your set up.
- Select "Mode 1" for the minimum standby power consumption.*
- Select "Mode 2" if you need to maintain the aerial signal to a TV connected to the aerial out jack on the recorder when the recorder is in standby mode.
  * If you select "Mode 1" and want to watch TV in standby mode, use a splitter (not supplied) to divide aerial input signals between the TV and the recorder (page 10).

ϔ
- If you want to change "Standby Mode" setting after "Easy Setup," press SYSTEM MENU and select "Setup" then "Power Management" (page 35). You can change "TV Type" (page 33) and "Full Rescan" (page 36) in a similar way.
- The recorder sets the clock automatically.

Connecting to the Network

Use a LAN cable to connect to the LAN (100) terminal on the recorder.

LAN cable
(not supplied)

Broadband router   ADSL modem/ Cable modem   Internet
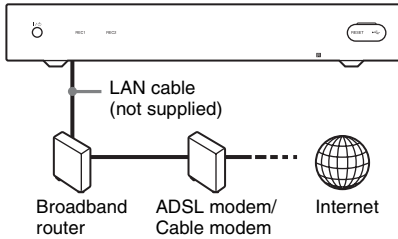
To set the network settings

Press SYSTEM MENU to select "Others," "Connection," then "Network" (page 37), and follow the on-screen instructions to complete the setup.

ϙ́
• The network function is used for future expansion.
• Using a shielded interface cable (LAN cable) is recommended.

𝕓
Do not connect a phone line to the LAN (100) terminal as this may cause a malfunction.

Watching TV Programmes

Watching TV
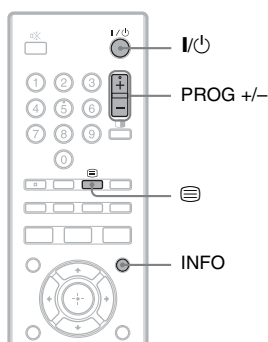
1 **Turn on the recorder and your TV. Then switch the input selector on your TV so that the signal from the recorder appears on your TV screen.**

2 **Press PROG +/– to select the programme position.**
You can also select the programme position using the number buttons and $\oplus$.

To select a programme using the Channel List

1 While watching TV, press $\oplus$.
The "Channel List" appears.
To switch to "Radio" or "TV," press $\Leftarrow$/$\Rightarrow$.
You can also select the Favourite List only if you created the Favourite List (page 16).

2 Select a programme position using $\uparrow$/$\downarrow$, and press $\oplus$.
The selected programme is displayed.

To display the programme information
Press INFO.
The display differs depending on the programme. Press INFO again to display the detailed information. To exit the programme information, press RETURN.

1 Programme name

2 Station name

3 The current time and date

4 Programme number

5 Programme start and end time

6 Programme contents

7 Icons that indicate types of the programme (Radio, HD HD, Subtitle, Charge, Lock (page 36), D+ Dolby Digital Plus)

ϋ
To switch the display between the current and next programme, press $\Leftarrow$/$\Rightarrow$.

To view a Digital Text Service
Many broadcasters provide a Digital Text service. Digital Text offers graphically rich content.
Press (text).
To navigate through Digital Text, follow the instructions on the screen.
To exit Digital Text, press .

To set the Favourite List

You can quickly display the channel to watch if you stored your favourite channels.

1 Press SYSTEM MENU and select "Channel."

2 Select "Edit Favourite List" in "Edit Channel."
Enter your four-digit password using the number buttons. The default password is "0000."
   • To rename the Favourite List, press OPTIONS to select "Rename Group," and press ⊕.

```
Edit Favourite List
      Favourite 1                    All Programmes
 (Empty)                        □  001 AAC ONE
                                □  002 AAC TWO
                                □  007 AAC THREE
                                □  070 CAAC Chann...
                                □  080 AAC NEWS
                                □  105 AAC Red Bu...

 ▬Remove   ▬Select   ▬Select All   ▬Group   OPTIONS Option
```
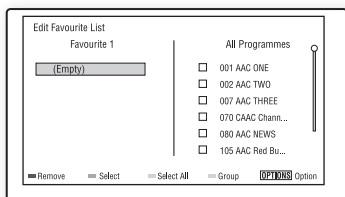
3 Select a channel from "All Programmes" you want to add to the Favourite List using ↑/↓, and the green button ("Select").
   • To scroll the list display by page, press ◄◄/►►|.

4 Repeat step 3 to select all of the channels you want to add.

5 Press the red button ("Add").
The selected channels are added to the Favourite List.
   • To remove a channel from the Favourite List, select a channel and press the red button ("Remove").
   • To exit the "Edit Favourite List," press RETURN.

Viewing two pictures simultaneously – PIP (Picture-in-Picture)

You can watch two services simultaneously on one screen by pressing ▢ (PIP) while watching TV. When using the PIP function, the audio from the main screen is output.

Press ▢ while watching TV.

The sub-screen is displayed.
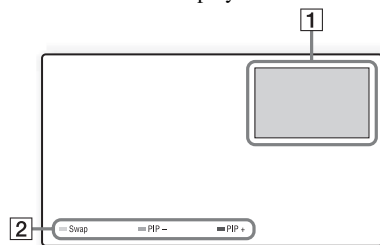
1 Sub-screen
To move the screen, press ←/↑/↓/→.

2 Colour buttons
Press the same colour button on the remote.
Red button ("Swap"): Switches between the sub-screen and the main screen.
Yellow button ("PIP-")/Blue button ("PIP+"): Changes the programme position on the sub-screen.

To exit the PIP function

Press ▢ again.

⚡
• When using the PIP function, ▤ is not available.
• The sub-screen only supports SD services.
• Depending on the situation, the sub-screen may not be displayed.

16

About the "Control for HDMI" functions for BRAVIA Sync (for HDMI connections only)

By connecting Sony components that are compatible with the "Control for HDMI" function with a supplied HDMI cable, operation is simplified as below:

• One-Touch Play
  With one touch of the following buttons, the connected TV turns on and the input selector on the TV is switched to the recorder automatically.
  – GUIDE: Displays the EPG screen (page 8).
  – TITLE LIST: Displays the "Title list" (page 8).
  – SYSTEM MENU: Displays the System Menu (page 8).

• System Power-Off
  When you turn the TV off using the power button on the TV's remote, the recorder and components compatible with the "Control for HDMI" function turn off automatically. However, the recorder does not turn off while recording or dubbing even if you turn off the TV.

• BRAVIA Sync display
  You can control the recorder by pressing the SYNC MENU button on the TV's remote.

ʘ
• Depending on the connected component, the "Control for HDMI" function may not work. Refer to the operating instructions supplied with the component.
• You can use the BRAVIA Sync display feature only when the connected TV has the SYNC MENU button. For details on BRAVIA Sync, refer to the operating instructions supplied with the TV.
• To use the BRAVIA Sync features, set "Control for HDMI" to "On" (default) in the "Connection" setup (page 37).

Pausing a TV Broadcast While Watching TV (Time Shift Mode)

You can pause a current TV broadcast, then continue watching the programme at a later time. This is useful when you receive an unexpected phone call or visitor while watching TV.

1 Press ❚❚ while watching a TV broadcast tuned by the recorder.
The recorder switches to the "Time Shift Mode," and the picture pauses.

2 Press ▶ to resume watching the TV broadcast.
You can fast forward/fast reverse, etc. from the point where "Time Shift Mode" starts to the live broadcasting point.

To exit Time Shift Mode
Press ■.

ʘ̆
• You can change the duration of the "Time Shift Mode." Set "Time Shift Duration" in the "Playback Settings" setup (page 35).
• Set "Time Shift Auto-Start" to "On" in the "Playback Settings" setup (page 35) to start the "Time Shift Mode" from the point where the recorder is turned on or the programme position is changed.

ʘ
• Time-Shift-recorded titles are not saved to the HDD.
• When the playback reaches the live broadcasting point, the display switches to the current TV broadcast.
• The "Time Shift Mode" is cancelled depending on the situation.

17

Using the EPG (Electronic Programme Guide) Display

The Electronic Programme Guide is a guide showing the television programme schedule for a day or more at a time on your television.

Digital Services availability and content depend on the broadcaster.

Red button
Green button
TIMER

Blue button
Yellow button
GUIDE
INFO
←/↑/↓/→,
⊕

Press GUIDE.
Example of EPG Display:
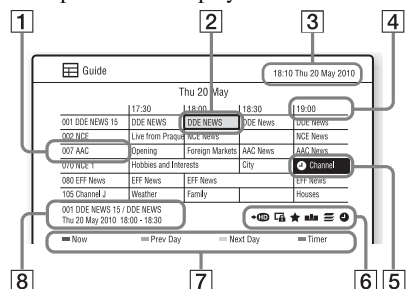
|1| Programme number and station name

|2| Indicates the currently selected programme and allows you to move around the list.

|3| Indicates the current time and date.

|4| Time slot

|5| Indicates if a timer recording is associated with the programme (page 19).

|6| Icons that indicate types of the programme
→📺 : The selected SD programme has an HD broadcast.
🔒 : Has "Guidance Message" (page 34).
⭐ : Has recommended programmes.
📊 : The programme is split into two or more parts.
≡ : Has series information.
⊕ : A timer recording is associated with the programme.

|7| Colour buttons

|8| Displays the programme information selected on the time slot.

Available buttons in the programme list

Buttons	Operations
←/↑/↓/→	Selects the desired item.
⏮/⏭	Goes to the next or previous page.
📖	Searches for a programme.
INFO	Displays the detailed information of the selected programme.
Colour buttons (red, yellow, green, blue)	Activates the same colour function on the screen.
⊕	Displays the recording menu or the selected programme.
GUIDE	Closes the EPG display.

To search for programmes (Keyword/Genre)

1 Press ▤ while the EPG screen is displayed.

2 Press the yellow button to switch between "Keyword" and "Genre."

3 Select a genre or input a keyword, and press ⊕.
To input a keyword, see "Labelling a Folder/Title/File (Rename)" (page 29).

Recording a TV Programme Using the EPG

You can easily make a timer recording by selecting a programme on the EPG display and pressing ⊕.

Before you start recording…
- Check that the HDD has enough available space for the recording (page 37).
- You can open up disc space by erasing titles (page 29).

1 Press GUIDE.

2 Select a programme using ←/↑/↓/→, and press ⊕.

3 Select a type of recording, and press ⊕.
- Single/Series Recording: The selected programme is set for recording ("Single recording"). The selected programme and the other programmes in the series are set for recording ("Series recording").
- Recommendation recording: The programme recommended by the programme with ☆ (page 18) is set for recording.

4 Press ⊕ to select "OK."
"⊙" appears next to the programme which is set for timer recording. Your recorder will automatically begin recording when the programme starts. There is no need to turn off the recorder before the timer recording starts.
- To modify the timer setting, see page 21.

Recording

• To record the programme with ⭐, select "Single recording" or "Series recording."
• If you press REC in step 2, "Single recording" can be set.
• If one part of a Split Programme is set to be recorded, the other parts will be recorded automatically.
• This recorder automatically adjusts the start/end recording time for the programme set for EPG timer recording even if the start/end time of the programme has changed.

About Alternate Programmes

When you try to set a timer recording for a programme and if the timer overlaps another timer setting, the recorder asks whether to search an alternate programme. Select "Use Alternate Instance" to set an alternate timer recording. To cancel the timer recording, select "Use Manual Method."

When you stop the recording during recording the title in the series, all the title recording in the series is cancelled.

Setting the Timer Manually (Manual)

Set the date, time, and programme position of the programme manually.

1 Press TIMER.

The "Timer list" display appears.
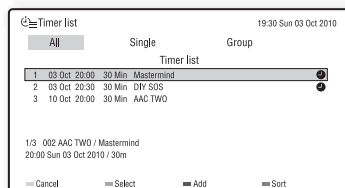
2 Press the yellow button ("Add").

The "Timer Setting" display appears.

3 Select an item using ↑/↓, and press ⊕.

4 Adjust the selected item using ←/↑/ ↓/→, and press ⊕.

"Service": Sets the programme position.
"Start Time": Sets the start time.
"Duration": Sets the recording duration.
"Title Name": Sets the title name using the number buttons.

5 Select "OK," and press ⊕.

To modify the timer setting, see below.

To turn off the Timer list

Press TIMER again.

Checking/Changing/Cancelling Timer Settings (Timer list)

Checking/changing timer settings

✪

When you change the EPG timer settings, ⏲ disappears and the function that adjusts the start/end recording time automatically is disabled.

1 Press TIMER.

The "Timer list" display appears.

- All: All the timer settings (The timer settings in Series Recording are displayed respectively.)
- Single: EPG/Manual timer settings for single recording
- Group: Timer settings for Series Recording (Series titles are displayed.)
- To switch to the "Single" or "Group" list, press ←/→.

2 Select the timer setting you want to check/change using ↑/↓, and press ⊕.

3 Select an item using ↑/↓, and press ⊕.

4 Adjust the selected item using ←/↑/↓/→, and press ⊕.

To enter a character, see "Labelling a Folder/Title/File (Rename)" (page 29)).

5 Select "OK," and press ⊕.

Cancelling timer settings

1 Press TIMER.

The "Timer list" display appears.

2 Select the timer setting you want to cancel, and press the red button ("Cancel").

3 Select "Yes," and press ⊕.

✪

When you erase a programme which is set for Series Recording from the "All" list, all the programmes in the series are cancelled.

To turn off the Timer list
Press TIMER again.

Recording a TV Programme While Watching

This section introduces the basic operation to record a current TV programme to the hard disk (HDD).

PROG +/−

● REC
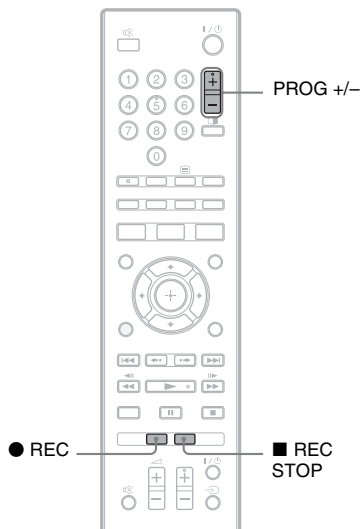
■ REC STOP

1 Press PROG +/− to select the programme position.

2 Press ● REC.

Recording starts and stops automatically in 120 minutes.

To stop recording

Press ■ REC STOP and then press ⊕.

✷
- After pressing the ● REC button, it may take a short while to start recording.
- If there is a power failure, the programme you are recording may be erased.

Adjusting the recording duration

You can set the recording duration after pressing the ● REC button.

1 Press ● REC while recording.

2 Adjust the recording duration using ↑/↓, and press ⊕.

Recording recommended programmes (Trailer Booking)

While watching a programme with the "Book me" icon on the screen, you can record programmes recommended by the broadcaster.

1 Press the green button ("Book me") when the recorder receives information and the "Book Me" icon is displayed.

2 Press ⊕ ("Record").
The "Timer Setting" display appears.

3 Select "OK," and press ⊕.

☼
Press INFO for more information on the recommended programme.

Recording for Two Programmes

The recorder can record up to two programmes at once. Also, you can set timer recording two programmes at the same time.

Press ● REC while watching a TV programme and recording another programme.
Recording starts on the current programme.

ϔ
Press INFO to check the programme number/station name and the tuner number (REC1/REC2).

To stop recording

1 Press ■ REC STOP.

2 Select the one you want to stop using ↑/↓, and press ⊕.

Playing Recorded Programmes

Red button

Yellow button

TITLE LIST

←/↑/↓/→, ⊕

▶
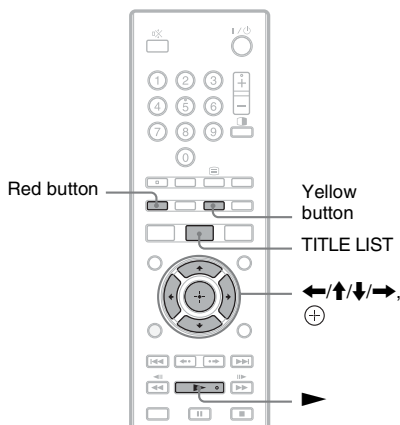
1 Press TITLE LIST.
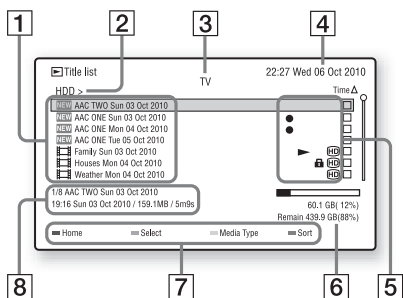
① Title name

For the title set to be recorded manually, the programme station name and recording date and time are displayed (page 20).

② Shows the current Drive. Press ←/→ to move to another Drive.

③ Media type: TV, Radio, Music, Photo or Video(Data)

④ Indicates the current time and date.

⑤ Icons that indicate types of the titles (● Currently being recorded, ▶ Currently being played, 🔒 Locked title, HD Recorded HD title)

⑥ HDD space

⑦ Colour buttons

Activates the same colour function on the screen.

⑧ The detailed information of the selected title

2 Select a title using ↑/↓, and press ⊕ or ▶.

Playback starts from the selected title.

ῧ
• When you play some titles, your four-digit password may be required. The default password is "0000." To change the password, see "Change Password" in "Parental Control" setup (page 34).
• Each time you sort the titles by the same sort method, the titles are sorted in ascending/descending order.

♨
• Only the files of the selected media type are displayed in the folder. When other media type of files are stored in the same folder, press the yellow button ("Media Type") to switch the media type.
• Recorded titles shorter than 30 seconds cannot be played.

To stop playback
Press ■ (stop).

To lock a title
Select "Lock" in "Edit" in the options menu.

To resume playback from the point where you stopped (Resume Play)
Select the title you want to play from the point you stopped and press ⊕. And then select "Resume Play" and press ⊕ or ▶.

24

Various playback options

Buttons	Operations
◄•/•► (instant replay/instant advance)	Replays the scene/briefly fast forwards the scene. You can change the interval for instant replay/instant advance (page 35).
◄◄ /►►◄ (previous/next)	When playing recorded titles: Goes to the beginning/end of the current title. When playing photo/music/video (data) files: Goes to the previous/next file.
◄◄/►►*[1] (fast reverse/fast forward)	Fast reverses/fast forwards the title. Search speed changes as follows: Fast forward 2 → 4 → 16 → 64 To resume normal playback, press ►.
◄II/II►*[2] (freeze frame)	Plays one frame at a time when pressed briefly in pause mode. To resume normal playback, press ►.
II (pause)	Pauses playback (including Radio titles). To resume normal playback, press ►.

*[1] Recorded titles/video (data) files only.
*[2] Recorded titles only.

ʊ̈
To play a recorded title in slow motion (playback direction only), press OPTIONS and select "Slow Forward" in "Playback."

Playing from the beginning of the programme you are recording (Chase Play)

Chase Play allows you to view the recorded part of a programme while the recording is being made. You do not need to wait until the recording finishes.

Press TITLE LIST and select the title which is being recorded, and press ►.
Playback starts from the beginning of the programme you are recording.

ʊ̈
You can also play a previously recorded programme while recording programmes (Simultaneous Rec and Play).

Playing repeatedly (Repeat)

You can repeatedly play a single title or selected titles on the HDD.

1 Press TITLE LIST.

2 Select a title using ↑/↓, and press the green button ("Select").
To play multiple titles repeatedly, select two or more titles.

3 Press ⊕ to play the selected title(s).

4 Press REPEAT.
Repeat playback of the selected title(s) starts.
Repeat mode changes by pressing REPEAT.
⟲1: Repeats a single title.
⟲ALL: Repeats the selected titles.

To cancel repeat play
Press REPEAT again.

25

To play a specific portion repeatedly (Repeat A-B)

1 Press OPTIONS to select "Playback" and then "Repeat A-B" during playback.

2 Press ⊕ at the starting point (point A) of the portion to be played repeatedly.

3 Press OPTIONS to select "Playback" and then "Repeat A-B."

4 Continue playing to locate the ending point (point B) and press ⊕.
Repeat A-B play starts.
To cancel Repeat A-B play, press OPTIONS to select "Playback" and then "Repeat A-B," and press ⊕.

ϔ
"Repeat A-B" can be set only within the same title.

✿
• Repeat play cannot be set during recording.
• When recording starts during repeat play, repeat play will be cancelled.

Playing from the USB Device

For playable USB devices, see "Playable types of files" (page 43).

Red button
Green button

Blue button
Yellow button

TITLE LIST

←/↑/↓/→, ⊕

►
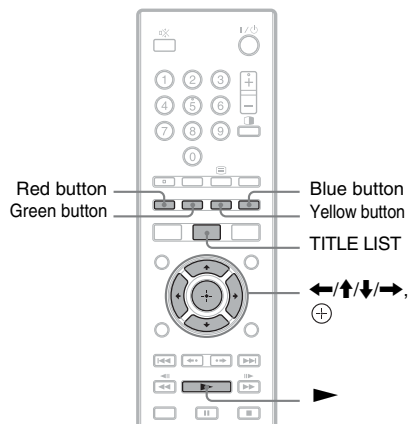
Playing photo files

1 **Connect the USB device to the USB jack on the recorder.**
Refer to the operating instructions supplied with the USB device before connecting.

Hard disk recorder

to USB jack
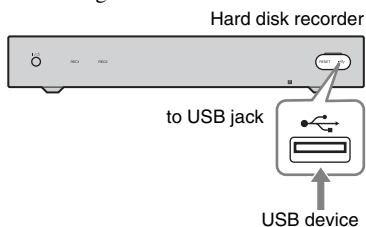
USB device

ϔ
Before you connect the USB device, open the USB jack cover on the front panel.

✿
• Some USB devices may not work with this recorder.
• The recorder can recognise Mass Storage Class (MSC) devices that are FAT-compatible.

2 Press TITLE LIST.

The "Title list" appears.

```
┌─────────────────────────────────────────┐
│ ▶Title list              22:27 Sun 03 Oct 2010 │
│              Photo                        │
│                               Time △      │
│  ☐ HDD                          ☐         │
│  ☐ USB_Rear                     ☐         │
│  ☐ USB_Front                    ☐         │
│                                           │
│  3/3 USB_Front                            │
│  19:16 Sun 03 Oct 2010         60.1 GB(12%) │
│                          Remain 439.9 GB(88%) │
│  ▬ Home   ▬ Select   ▬ Media Type   ▬ Sort │
└─────────────────────────────────────────┘
```
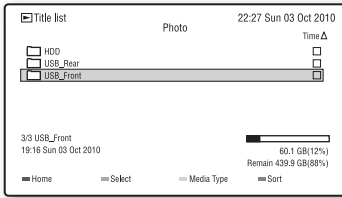
Press the same colour button on the remote.
- Red button ("Home"): Goes back to the top layer.
- Yellow button ("Media Type"): Switches the list by media type (TV/ Radio/Photo/Music/Video(Data)).

3 Select "USB_Front" or "USB_Rear," and press ⊕.

```
      1            2    3
┌─────────────────────────────────────────┐
│ ▶Title list              22:27 Sun 03 Oct 2010 │
│ USB  Front > 2009 Summer >                │
│              Photo            Time △       │
│  ▨ Jpeg Standard file 007       ☐         │
│  ▨ Jpeg Standard file 008       ☐         │
│  ▨ Jpeg Standard file 009       ☐         │
│  ▨ Jpeg Standard file 010       ☐         │
│  ▨ Jpeg Standard file 011       ☐         │
│  ▨ Jpeg Standard file 012       ☐         │
│  ▨ Jpeg Standard file 013       ☐         │
│  1/8 Jpeg Standard file 007               │
│  19:16 Sat 03 Oct 2009 / 159.1KB   60.1 GB(12%) │
│                          Remain 439.9 GB(88%) │
│  ▬ Home   ▬ Select   ▬ Media Type   ▬ Sort │
└─────────────────────────────────────────┘
    6            5             4
```
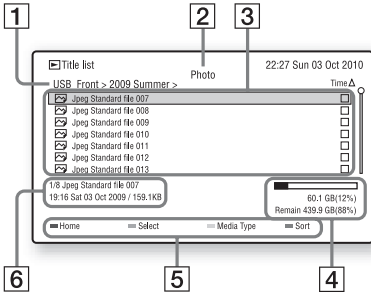
A Current folder

B Media Type

C Folder/file name

To display a photo file list, select a folder, and press ⊕.

D HDD/USB space

E Colour buttons

Activates the same colour function on the screen.

F The detailed information of the selected folder/file.

4 Select a photo file, and press ▶.

A slideshow of the photo files in the current folder starts.
- To rotate the image, press ◀/▶. To go back to the slideshow, press ▶ again.
- To go back to the Photo List, press TITLE LIST.

ϔ
When you select photo files using the green button ("Select"), only the selected photo files are played in slideshow.

✪
Do not remove the USB device during operation. Stop playback and turn off the list menu beforehand.

To stop playback
Press ■ (stop).

To play a slideshow with the sound

1 Press OPTIONS during a slideshow.

2 Select "BGM" and press ⊕.

3 Select a music folder you want to use for BGM, and press the red button ("Select Path").
The slideshow starts with the sound.
To stop the slideshow, press ■ (stop).

To disconnect the USB device
While the "Title list" is displayed, press OPTIONS to select "Remove USB," and press ⊕.

ϔ
You can set the slideshow speed in "Slideshow Time" in the "Playback Settings" setup (page 35).

27

Playing MP3/video (data) files

1 Follow steps 1 to 3 of "Playing photo files" on page 26.

2 Select a music or video (data) file, and press ►.
Playback starts.

To stop playback
Press ■ (stop).

Various playback options
See "Various playback options" on page 25.

To play a file repeatedly
See "Playing repeatedly (Repeat)" on page 25.

To disconnect the USB device
See "To disconnect the USB device" on page 27.

Copying photo/music/video (data) files to the HDD

Before you start copying…
- Check that the HDD has enough available space for the copying (page 37).
- You can open up disc space by erasing titles/files (page 29).

1 Follow steps 1 to 3 of "Playing photo files" on page 26.

2 Select the folder/file you want to copy using ↑/↓.
- To copy multiple folders/files, press the green button ("Select").

3 Press OPTIONS to select "Copy To," and press ⊕.

4 Select "HDD" and press ⊕.
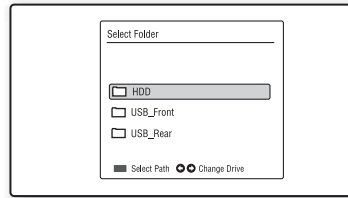
5 Select a folder you want to copy to using ←/→.

6 Press the red button ("Select Path").
Copying starts.
Wait until the copying status bar disappears.

To cancel copying
Select "Cancel" in the copying status bar, and press ⊕.

To disconnect the USB device
See "To disconnect the USB device" on page 27.

To copy the folders/files to an external HDD device, see "Copying to an External HDD Device" (page 31).

ᗌ
- If you select "Move To" in step 3, the folder/file is moved and the original folder/file is deleted.
- Folders/files cannot be copied or moved during playback of titles (including Radio titles) or photo/music/video (data) files.

Erasing a Folder/Title/File (Erase)

1 Press TITLE LIST.

2 Select the folder/title/file you want to erase using ↑/↓.

To erase multiple folders/titles/files, press the green button ("Select").

3 Press OPTIONS to select "Erase," and press ⊕.

The display asks for confirmation.

4 Select "Yes," and press ⊕.

The selected folder/title/file is erased.

⚡
• If you erase a folder in the "Title list," the titles/files in the folder are all erased even if they are not displayed.
• Folders/titles/files cannot be erased during playback of titles (including Radio titles) or photo/music/video (data) files.

Labelling a Folder/Title/File (Rename)

1 Press TITLE LIST.

2 Select the folder/title/file you want to rename using ↑/↓.

3 Press OPTIONS to select "Edit" and then "Rename," and press ⊕.
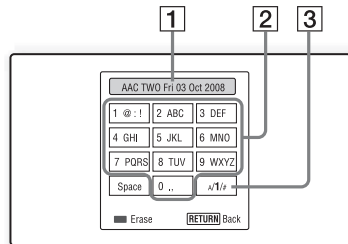
1 Input row

2 Ten key buttons

3 Switches the character types.

4 Press ←/↑/↓/→ to select a character, and press ⊕.

The selected character appears in the input row.
• To switch the characters, press ⊕ repeatedly.
• To erase a character, press the red button ("Erase").

5 Press ↑ to move the highlight to the input row, and press ⊕.

The new name is displayed in the "Title list."
• To cancel the setting, press RETURN.

To use the number buttons on the remote

Press the number button while the input row is highlighted.
- To switch the characters, press the number button repeatedly.
- To insert a space, press SUBTITLE.
- To switch the character types, press ▤.

ᗌ

Only the characters displayed on the on-screen keyboard can be input with this recorder.

Before Copying the Recorded Titles

You can copy the recorded titles to a connected external device as a backup copy.

Connecting an external HDD device

Connect the external HDD device to the USB jack on the recorder.
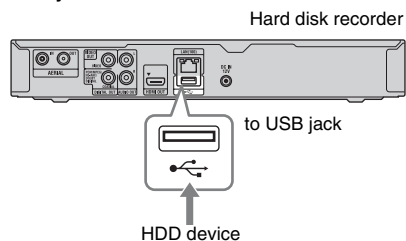
Hard disk recorder

to USB jack

HDD device

✺

To disconnect the USB device, while the "Title list" is displayed, press OPTIONS to select "Remove USB."

Formatting an external HDD device

Before copying the titles to an external HDD device for the first time, format the external HDD. When you format an external HDD device, all of the content on the external HDD will be erased.
The external HDD device must have at least 160 GB capacity to be formatted.

Select "Format Disk" in the "Disk" setup (page 37), and press ⊕.

Copying the Recorded Titles

1 **Connect the external HDD device to the USB jack on the recorder.**

2 **Press TITLE LIST.**

3 **Select a title you want to copy using ↑/↓.**
To copy multiple titles, press the green button ("Select").

4 **Press OPTIONS to select "Copy To," and press ⊕.**

5 **Select "USB_Front" or "USB_Rear" you want to copy to, and press ⊕.**

```
Select Folder

    ☐ HDD
    ☐ USB_Front
    ☐ USB_Rear

    ■ Select Path   ◐◑ Change Drive
```
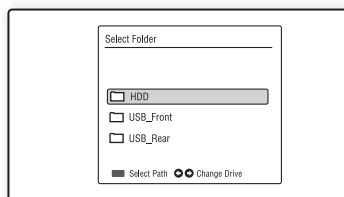
6 **Select a folder you want to copy to using ←/→.**

7 **Press the red button ("Select Path").**
Copying starts.
Wait until the copying status bar disappears.

To cancel copying
Select "Cancel" in the copying status bar, and press ⊕.

✺
- The titles recorded on this recorder are compliant with the XFS file system and can be played on this recorder only.
- If you select "Move To" in step 4, the title is moved and the original title is deleted.

Using the System Menu

Press SYSTEM MENU when you need to change the settings of the recorder.
The default settings are underlined.

1 Press SYSTEM MENU.

2 Select a menu icon using ◄/►, and press ⊕.
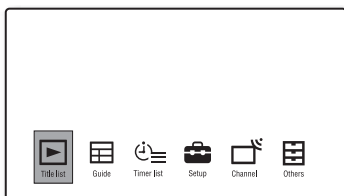
▶ Title list (page 24, 26, 29)

Displays the titles stored on the HDD or the connected USB device.

▦ Guide (page 18)

Displays the EPG (Electronic Programme Guide) screen.

⏱ Timer list (page 21)

Displays the "Timer list" to set the timer manually or to check, change, or cancel the timer settings.

🧰 Setup (page 32)

You can adjust the recorder settings to suit your preferences.

🗔 Channel (page 36)

You can scan channels or edit the "Channel List" and Favourite List.

▦ Others (page 37)

You can check various information, format the HDD, or reset the recorder, etc.

3 Select the desired setup item using ▲/▼, and press ⊕.

See the explanations in the following sections.

To exit the System Menu
Press SYSTEM MENU again.

Recorder Settings (Setup)

AV Setting

TV Type
Select the playback picture size according to the type of connected TV.

4:3	Select this when connecting to a 4:3 screen TV without a wide mode function.
16:9	Select this when connecting to a widescreen TV or TV with a wide mode function.

Display Format
Select the playback picture size according to the type of connected TV.

◆ **When you set "TV Type" to "4:3"**

16:9 Letter Box	Displays the 16:9 picture with bands on the upper and lower portions of the screen.
14:9 Letter Box	Displays the 14:9 picture with bands on the upper and lower portions of the screen.
Centre Cut Out	Enlarges the centre portion of the picture.

◆ **When you set "TV Type" to "16:9"**

Full	Select this when you can change the aspect ratio on your TV.
Pillar Box	Select this when you cannot change the aspect ratio on your TV. Shows a 4:3 size video with the aspect ratio as it is.

HDMI Resolution
Selects the type of video signals output from the HDMI OUT jack. For details, refer also to the instruction manual supplied with the TV, etc.

Auto	Normally select this. The recorder outputs signals starting from the highest resolution acceptable to the TV: 1080p > 1080i > 720p > 576p > 576i If the resulting image format is undesirable, try another setting that suits your TV.
576i	Outputs 576i video signals.
576p	Outputs 576p video signals.
720p	Outputs 720p video signals.
1080i	Outputs 1080i video signals.
1080p	Outputs 1080p video signals.

ϔ
When picture noise appears after you change the "HDMI Resolution" setting, briefly press the RESET button on the front panel.

HDMI Colour
Selects the method of outputting video signals for the HDMI jack.

Auto	Automatically detects the connected TV type, and switches to the matching colour setting.
RGB	Select this when connecting to an RGB device.

Dolby Digital
Selects whether or not to output Dolby Digital signals.

On	Select this when the recorder is connected to an audio component with a built-in Dolby Digital decoder.
Off	Select this when the recorder is connected to an audio component without a built-in Dolby Digital decoder.

33

⚡

If the HDMI OUT jack is connected to equipment not compatible with Dolby Digital signals, the PCM signals will be automatically output even when you select "On."

Audio Description

On	Outputs the audio description.
Off	Turns off the function.

AD Mixing Level

Adjusts the mixing level of the main sound and the audio description. The default setting is "Middle."

Lip-Sync Adjustment (msec.)

Adjusts the gap between picture and sound by delaying the sound output (0 to 250 milliseconds). Enter a numeric value using the number buttons or ↑/↓, and press ⊕.

⚡

"Lip-Sync Adjustment (msec.)" is available only when a TV is connected to the DIGITAL OUT (COAXIAL) jack.

Language

Audio/Subtitle

Switches the language for the sound track or subtitles.

Time

Time Zone Setting

Auto	Normally select this.
GMT −12 to GMT +13	Set the time zone manually.

☆

When you select "Auto" (Default), the recorder sets the summer time automatically.

Parental Control

Guidance Protection

Enter your four-digit password using the number buttons to change the setting.

On	Prevents a recorded programme with parental control information being watched outside the watershed time (21:00 to 5:30).
Off	Allows you to watch a recorded programme with parental control information anytime.

Guidance Message Display

Enter your four-digit password using the number buttons to change the setting.

On	Displays the parental control information on the screen when trying to watch a TV programme with parental control information.
Off	Turns off the function. You can check the parental control information in the EPG (page 18).

Change Password

You can change the password that gives access to the "Parental Control" settings, etc. Enter your four-digit password using the number buttons, then enter a new password.

☆

The default password is "0000."

34

Playback Settings

Instant Replay
Sets the interval for instant replay
("15 Sec."/"30 Sec."/"60 Sec.").

Instant Advance
Sets the interval for instant advance
("30 Sec."/"60 Sec."/"120 Sec.").

Slideshow Time
Sets the time each frame is displayed
("3 Sec."/"5 Sec."/"10 Sec.")

Time Shift Duration
Sets Time Shift recording time
("30 Min."/"1 Hour"/"2 Hours (SD Only)").

Time Shift Auto-Start

On	Time Shift function starts automatically when you start watching TV or change a programme position.
Off	Time Shift function starts when you press ❚❚ while watching TV.

Power Management

Standby Mode

Mode 1	During "Standby Mode," equipment such as TV connected to the aerial output would not receive TV signal. To watch TV, use a splitter to divide aerial input signals between the TV and the recorder (page 10).
Mode 2	During "Standby Mode," equipment such as TV connected to the aerial output will receive TV signal. The standby power consumption is higher than that of "Mode 1."

Auto Standby

On	The recorder automatically turns off when you do not press any buttons for 3 hours in stop mode. The display asks for confirmation about 2 minutes before the recorder turns off. If you want to keep the recorder on, press any key.
Off	Turns off the function.

Aerial Reception Settings (Channel)

Channel Scan

Full Rescan

Erases all the registered channels and scans the channels again.

1 Enter your four-digit password using the number buttons.

2 Select "Yes" using ←/→, and press ⊕.
The recorder starts scanning the channels.

3 Select "Save" using ↑/↓, and press ⊕.

Update Scan

Scans for newly available channels.

1 Enter your four-digit password using the number buttons.
The recorder starts scanning the channels.

2 Select "Save" using ↑/↓, and press ⊕.

Manual Scan

1 Enter your four-digit password using the number buttons.

2 Set "Channel" and "Frequency" using ↑/↓ and ⊕.

3 Select "Scan" using ↑/↓, and press ⊕.
The recorder starts scanning the channels.

4 Select "Save" using ↑/↓, and press ⊕.

✦
- After "Full Rescan," select your region using ←/↑/↓/→ if necessary.
- Scanning may take time depending on your region.
- When you set channels using "Full Rescan," the timer settings in the "Timer list" will be erased.

Edit Channel

Edit Channel List

Erases or locks channels in the "Channel List."

1 Enter your four-digit password using the number buttons.

2 Select a channel you want to edit using ↑/↓, and press the corresponding colour button.
- Red button ("Remove"): Removes the selected channel from the "Channel List."
- Green button ("Select"): Selects the highlighted channel.
- Yellow button ("Select All"): Selects all the channels.
- Blue button ("Lock"): Locks the selected channel.

✦
Timer recording does not start while editing the Channel List.
Before you start editing, check the "Timer list" for any timer recordings that are due to start while editing the Channel List.

Edit Favourite List

Adds, removes or groups channels in the Favourite List.

1 Enter your four-digit password using the number buttons.

2 Select a channel you want to edit using ←/↑/↓/→, and press the corresponding colour button.
- Red button ("Remove"/"Add"): Removes/adds the selected channel from/to the Favourite List.
- Green button ("Select"): Selects the highlighted channel.
- Yellow button ("Select All"): Selects all the channels.
- Blue button ("Group"): Groups the selected channels.

Auto Service Update

On	Automatically scans and updates the "Channel List."
Off	Turns off the function.

Other Settings (Others)

Diagnostics

System Message
When the recorder has failed to record a title, an error message is displayed.

System Information
Displays the system information.

Signal Information
Displays the signal information.

Disk

Disk Information
You can check used/remaining space on the HDD and USB device.

Format Disk
Formats the internal or external HDD to resolve the problem when the hard disk error occurred. All of the recorded content on the HDD will be erased. Enter your four-digit password and follow the on-screen instructions.
After formatting the internal or external HDD, the recorder restarts.

💡
Format an external HDD device only when you want to copy the titles recorded on this recorder to the external HDD device for the first time.

Repair Disk
Repairs the HDD to resolve the problem when the hard disk error occurred. The recorded content on the HDD will not be erased. Enter your four-digit password and follow the on-screen instructions.
After repairing the HDD, the recorder restarts.

Connection

Network
Connect the recorder to the network beforehand. For details, see "Connecting to the Network" (page 14).

DHCP	Select this when DHCP (Dynamic Host Configuration Protocol) server settings are available from your Internet service provider. The network settings necessary for the recorder will be assigned automatically.
Manual	Set the IP address manually according to your network environment.

When you select "Manual," set the following items using ←/↑/↓/→ and the number buttons:
– IP Address
– Subnet Mask
– Default Gateway
– DNS Server

💡
• The network function is used for future expansion.
• Refer also to the instruction manuals that have been provided by your Internet service provider or supplied with the router.

Control for HDMI

On	Allows you to use the "Control for HDMI" function (page 17).
Off	Turns off the function.

Settings and Adjustments

37

Maintenance

Software Update

You can check the current software version of the built-in digital tuner and keep it up to date with the latest software. To update the software, enter your four-digit password.

Over Air Download	Updates the software automatically. Normally, select this position.
USB	Updates the software manually.

⊘
Do not turn off the recorder during updating the software.

Factory Settings

You can reset the recorder to all its factory settings. Enter your four-digit password and follow the on-screen instructions.

Troubleshooting

If you experience any of the following difficulties while using the recorder, use this troubleshooting guide to help remedy the problem before requesting repairs. Should any problem persist, consult your nearest Sony dealer.

Power

The power does not turn on.

➡ Check that the AC adaptor is connected securely to the DC IN jack on the rear panel of the recorder.
➡ Check that the mains lead is connected securely to the mains.

The power of the recorder turns off at the same time as the TV is turned off.

➡ This is caused by the BRAVIA Sync features. Set "Control for HDMI" to "Off" in the "Connection" setup to cancel this function (page 37).

Tuner

The channel is not found or stored or missed.

➡ Make sure that your aerial is properly connected to the recorder.
➡ Confirm with your dealer that you are in an area that can receive a digital signal.
➡ Check your aerial installation.

Picture

There is no picture.

➡ Re-connect all connecting cables securely.
➡ The connecting cables are damaged.
➡ Check the connection to your TV (page 10).
➡ Switch the input selector on your TV so that the signal from the recorder appears on the TV screen.
➡ Set "Standby Mode" to "Mode 2" in the "Power Management" setup (page 35).
➡ A scrambled channel is selected.

Picture noise appears.

➡ The aerial signal may be weak. Check the signal strength in "Signal Information" in the "Diagnostics" setup (page 37). When the signal strength is poor, amplify the aerial signal using an aerial amplifier (not supplied).
➡ Noise may appear in the pictures recorded on the HDD, which is due to the characteristics of HDD, and is not a malfunction.

There is no picture or picture noise appears when connected to the HDMI OUT jack.

➡ Try the following: ①Turn the recorder off and on again. ②Turn the connected equipment off and on again. ③Disconnect and then connect the HDMI cable again.
➡ The recorder is connected to an input device that is not HDCP compliant.
➡ When picture noise appears after you change the "HDMI Resolution" setting, briefly press the RESET button on the front panel.

There is no TV programme reception.

➡ Try "Full Rescan" or "Update Scan" in the "Channel Scan" setup (page 36). If the problem persists, perform "Manual Scan."

The picture does not fill the screen.

➡ Set "TV Type" and "Display Format" in the "AV Setting" setup in accordance with the screen size of your TV (page 33).

39

Sound

There is no sound.
➡ Re-connect all connections securely.
➡ The connecting cable is damaged.
➡ The input source setting on the audio component or the connection to the audio component is incorrect.
➡ The recorder is in reverse play, fast-forward, slow motion, or pause mode.
➡ If the audio signal does not come through the DIGITAL OUT (COAXIAL)/HDMI OUT jacks, check the "AV Setting" setup (page 33).
➡ When the audio description is not output from the DIGITAL OUT (COAXIAL) jack, set "Dolby Digital" to "Off" in the "AV Setting" setup (page 33).
➡ The volume is turned off by pressing ⊠⊀. Press ⊠⊀ again to restore the sound.

No sound is output from the HDMI OUT jack.
➡ Try the following: ①Turn the recorder off and on again. ②Turn the connected equipment off and on again. ③Disconnect and then connect the HDMI cable again.
➡ The HDMI OUT jack is connected to a DVI device (DVI jacks do not accept audio signals).
➡ The equipment connected to the HDMI OUT jack does not conform to the audio signal format. In this case, set "Dolby Digital" to "Off" in the "AV Setting" setup (page 33).

The sound is breaking up.
➡ The signal strength is low. You can check the signal strength in "Signal Information" in the "Diagnostics" setup (page 37).
➡ Check aerial installation.
➡ Set the "Audio Description" to "Off" or adjust the "AD Mixing Level" (page 34).

Recording/Timer recording

The programme position cannot be changed from the programme position you are recording.
➡ Set the TV's input source to "TV."

Nothing was recorded even though you set the timer setting correctly.
➡ There was a power failure during recording.
➡ The channel was erased after the timer recording was set. See "Edit Channel List" in the "Edit Channel" setup (page 36).
➡ The mains lead was disconnected.
➡ The programme contains copy protection signals (pay-per-view) that restrict copying, or a scrambled channel is selected.
➡ Check "System Information" in the "Diagnostics" setup (page 37).
➡ More than two timer settings are overlapped (page 23).
➡ There is not enough disc space for the recording.

Recording does not stop after you press ■.
➡ Press ■ REC STOP.

Timer recording is not complete or did not start from the beginning.
➡ There was a power failure during recording. If the power recovers when there is a timer recording, the recorder resumes recording but the resumed recording is stored as another title.
➡ More than two timer settings are overlapped (page 23).
➡ There is not enough disc space for the recording.

Playback

The recorder does not start playback from the beginning.

➡ Resume play was activated (page 24).

The music/photo/video (data) files do not play.

➡ The files are not recorded in a format that the recorder can play (page 43).

Time Shift Mode does not work.

➡ Set the TV's input source to the recorder, and use the recorder's tuner to watch TV programmes.

➡ Time Shift Mode is not available when recording two programmes simultaneously (page 23).

External HDD

The external HDD device cannot be formatted.

➡ The external HDD device must have at least 160 GB capacity to be formatted.

The copied titles in an external HDD cannot be played.

➡ The titles recorded on this recorder can be played on this recorder only.

The recorded titles that are copied to an external HDD device cannot be loaded.

➡ Try "Repair Disk." Press SYSTEM MENU to select "Others," "Disk," then "Repair Disk" (page 37).

Display

The folder/title/file or station name is not correctly displayed.

➡ Depending on the situation, letters or symbols that the recorder cannot display are replaced with "_."

**The power indicator is flashing when I/①
is pressed.**

➡ The recorder is in the process of turning on/off. Do not disconnect the mains lead.

The REC1/REC2 indicator is flashing.

➡ There is not enough disc space for the recording. Open up disc space by erasing titles.

Remote control

The remote does not function.

➡ The batteries are weak.

➡ The remote is too far from the recorder.

➡ The remote's manufacturer code returned to the default setting when you replaced the batteries. Reset the code (page 44).

➡ The remote is not pointed at ▣ (remote sensor) on the recorder.

➡ The ⊠ (muting) button may not work when "Dolby Digital" is set to "On" in the "AV Setting" setup (page 34).

Others

You do not have the password.

➡ The default password is "0000." To change the password, see "Change Password" in the "Parental Control" setup (page 34).

The recorder does not detect a USB device connected to the recorder.

➡ Make sure that the USB device is securely connected to the recorder (page 26).

➡ Check if the USB device or a cable is damaged.

➡ Check if the USB device is on.

➡ The USB device is connected via a USB hub. Connect the USB device directly to the recorder.

➡ Try the following: ①Disconnect and then connect the USB cable again. ②Turn the recorder off and on again.

Additional Information

41

The BRAVIA Sync features do not operate.

➡ Your TV is not compatible with the BRAVIA Sync features.

➡ "Control for HDMI" is set to "Off" in the "Connection" setup (page 37).

➡ The recorder is connected to the TV via an amplifier. Connect the recorder directly to the TV.

The recorder does not operate properly.

➡ Press and hold the RESET button on the front panel (page 7) for more than 3 seconds.

➡ When static electricity, etc., causes the recorder to operate abnormally, turn off the recorder and wait until the power indicator on the front panel completely turns off. Then, unplug the recorder and after leaving it off for a while, plug it in again.

The Parental Control does not work.

➡ Check the "Parental Control" setup (page 34).

Notes About This Recorder

On operation

• If the recorder is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense inside the recorder. Should this occur, the recorder may not operate properly. In this case, if the recorder is on, leave it on (if it is off, leave it off) for about an hour until the moisture evaporates.

• When you move the recorder, protect it from any shock. If you don't, the hard disk drive may be damaged (page 3).

On adjusting volume

Do not turn up the volume while listening to a section with very low level inputs or no audio signals. If you do, the speakers may be damaged when a peak level section is played.

On cleaning

Clean the cabinet, panel, and controls with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzine.

On replacement of parts

In the event that this unit is repaired, repaired parts may be collected for reuse or recycling purposes.

Specifications

System
Transmission standards:
> DVB-T/DVB-T2

Channel coverage:
> UHF: E21 to E69

The above channel coverage merely ensures the channel reception within these ranges. It does not guarantee the ability to receive signals in all circumstances. The channels that can be received differ depending on the region.

Aerial out:
> 75-ohm asymmetrical aerial socket

Recording format:
> DVB-T/DVB-T2: DR (Direct Recording)

Inputs and outputs
AUDIO OUT:
> Phono jack/2 Vrms/10 kilohms

VIDEO OUT: Phono jack/1.0 Vp-p

DIGITAL OUT (COAXIAL):
> Phono jack/0.5 Vp-p/75 ohms

LAN(100): 100 BASE-TX Terminal

HDMI OUT: HDMI™ Connector

USB:
> USB jack (For connecting digital still camera, USB memory and external hard disk drive)

General
Power requirements:
> AC adaptor: DC 12 V 3.3 A
> SVR-HDT500: DC 12 V 2.2 A
> SVR-HDT1000: DC 12 V 2.3 A

Power consumption:
> SVR-HDT500: 30 W
> SVR-HDT1000: 31 W

Dimensions (approx.):
> $320 \times 50.5 \times 231$ mm (width/height/depth) incl. projecting parts

Hard disk drive capacity:
> SVR-HDT500: 500 GB
> SVR-HDT1000: 1 TB

Mass (approx.): 2.2 kg

Operating temperature: 5ºC to 35ºC

Operating humidity: 25% to 80%

AC adaptor: 220 – 240 V AC, 50/60 Hz

Supplied accessories:
> Mains lead (1)
> Aerial cable (1)
> HDMI cable (1)
> AC adaptor (1)
> Remote commander (remote) (1)
> R6 (size AA) batteries (2)

Specifications and design are subject to change without notice.

Playable types of files

Type	File format	Extensions
Music	MP3 (MPEG-1 Audio Layer III)	".mp3"
Photo	JPEG	".jpg," ".jpeg"
Video(Data)	MPEG-4 ASP	".avi"

🔋
- The recorder will play any data with the extension ".mp3," ".jpeg," ".jpg" or ".avi" even if they are not in MP3, JPEG or MPEG-4 ASP format. Playing these data may generate a loud noise which could damage your speaker system.
- Some files cannot be played.
- Proceeding to the next or another folder may take some time.
- This recorder supports JPEG image files that are width 6,500 pixels by height 4,500 pixels at the maximum and no more than 12 MB.
- This recorder supports MP3 files recorded with a sampling frequency of 32 kHz, 44.1 kHz, and 48 kHz.
- No more than a 4 GB MP3 file can be played.
- This recorder supports only the MP3 format sound for video (data) files.

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Code numbers of controllable TVs

While holding down TV I/(¹), enter the TV manufacturer's code using the number buttons.
If more than one code number is listed, try entering them one at a time until you find the one that works with your TV.

Manufacturer	Code number
Sony	01 (default)
Grundig	11
Hitachi	24
ITT	15, 16
JVC	33
LG/Goldstar	76
Loewe	45
Nokia	15, 16, 69, 73
Panasonic	17, 49
Philips	06, 07, 08, 72
Saba	12, 13, 74
Samsung	22, 23, 71
Sanyo	25
Sharp	29
Telefunken	36
Thomson	43, 75
Toshiba	38

The remote performs the following:

Buttons	Operations
TV I/(¹)	Turns your TV on or off.
TV ⊿ (volume) +/–	Adjusts the volume of your TV.
TV PROG +/–	Selects the programme position on your TV.
TV ⊕ (input select)	Switches your TV's input source.
TV ⓧ (muting)	Turns off the TV sound.

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GPL/LGPL LICENSED SOFTWARE

The following GPL executables and LGPL libraries are used in this product and are subject to the GPL/LGPL License Agreements included as part of this documentation:

Package list:
- Linux Initrd Kernel
- uclibc toolchain binary
- BusyBox
- Smartd
- Libexif
- parse_conf

Source code for these executables and libraries, as well as other executables and libraries, can be obtained using the following link:
http://www.sony.net/Products/Linux/

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45

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49

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curl

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Glenn Randers-Pehrson
glennrp at users.sourceforge.net
June 26, 2010

zlib

zlib.h -- interface of the 'zlib' general purpose compression library version 1.2.5, April 19th, 2010

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Additional Information

Keep this important information about how to re-tune your Digital TV Recorder during the digital TV switchover

Keep this instruction manual safe – you'll need it
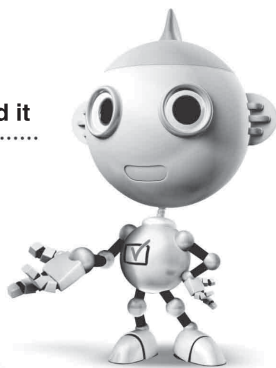
Television in the UK is going digital, bringing us all more choices and new services. Starting in late 2007 and ending in 2012, television services in the UK will go completely digital, TV region by TV region. Please see the overleaf to find out when your area switches to digital.

Digital UK is the independent, non-profit organisation leading the process of digital TV switchover in the UK. Digital UK provides impartial information on what people need to do to prepare for the move to digital, and when they need to do it.

How the switchover affects Digital TV Recorders (DTR) including Freeview+ models and DVD Recorders with Freeview built in:

When the TV switchover happens in your area, there are at least two occasions when you will need to re-tune your digital TV recorder in order to continue receiving your existing TV channels, and also to pick up new ones. Digital UK, the body leading the digital TV switchover, will advise you when you need to re-tune during the switchover.

If you find you can't receive the extra digital channels, it may be because your area is not covered by Freeview yet or that you need an aerial upgrade. Visit **www.digital.co.uk** to check.

How to re-tune:

1 Press SYSTEM MENU.

2 Select "Channel" using ◀/▶, and press ⊕.

3 Select "Channel Scan" using ↑/↓, and press ⊕.

4 Select "Full Rescan" using ↑/↓, and press ⊕.

5 Follow the on-screen instructions.

If you are missing any channels, it may be that they are not available in your area, or that your aerial needs upgrading.
If you have any questions, please contact Sony on **0844 84 66 555** or visit **www.sony.co.uk/support** or call Digital UK on **0845 6 50 50 50** or visit **www.digitaluk.co.uk**

When does switchover happen?

*Copeland switches on October 17, 2007

Shetland Islands

STV North
2010

STV Central
2010/11

Border
2008/09*

Tyne
Tees
2012

Ulster
2012

Yorkshire
2011

Granada
2009

Central
2011

Anglia
2011

Wales
2009/10

London
2012

West
2010

Meridian
2012

West Country
2009
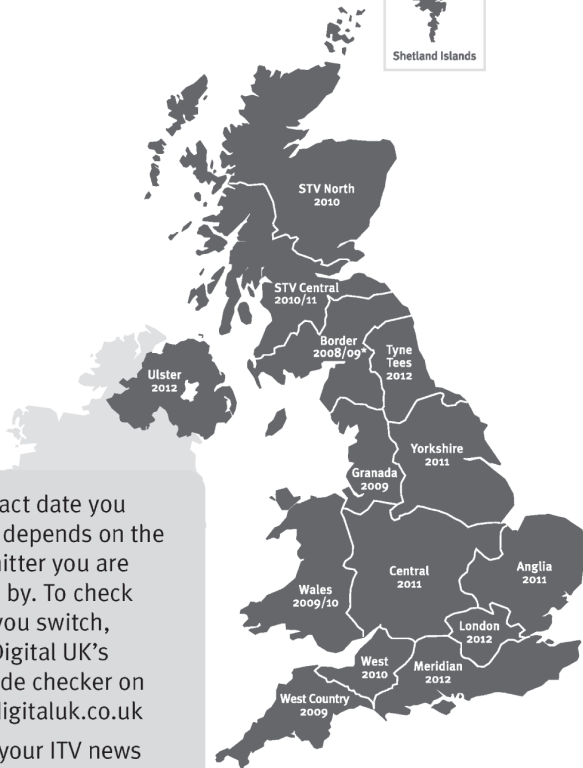
The exact date you switch depends on the transmitter you are served by. To check when you switch, go to Digital UK's postcode checker on www.digitaluk.co.uk

Check your ITV news service or look at Teletext page 106 to see what TV region you're in.

Visit us at **digitaluk.co.uk** call us on **0845 6 50 50 50**[†]

†Calls charged at BT rate of 3p per minute daytime and 1p per minute evenings and weekends.
Rates may vary for calls from non-BT lines.

Index

Words in quotations appear in the on-screen displays.

About how to re-tune your TV during the digital TV switchover, see page 54.

BRAVIA Sync

HDMI

http://www.sony.net/

I-4265096134

4-265-096-**13**(1)