HITACHI

42PD8700U

HDMI™
HIGH DEFINITION MULTIMEDIA INTERFACE

HITACHI

Contents

Remote Control Buttons

① ⏻ = Stand by On/Off

② ⓘ⊞ = Program Information

③ SEL= Select TV/ DVD /SAT

④ **AV3 = AV3 mode**

⑤ **AV2 = AV2 mode**

⑥ RGB2 = No Function

⑦ RGB1= PC mode

⑧ ↩ = Go back to previous menu

⑨ ▶= Cursor Right

⑩ **OK** = Enter

⑪ ▼ =Cursor Down

⑫ ◑ = Picture Mode

⑬ P+/ - = Programme Up/ Down

⑭ ⊠ = Mute On/Off

⑮ **0 - 9** = Digit buttons

⑯ ⬚⊟ = PIP / PAP / TV

⑰ BLUE = Only used in Teletext mode

⑱ YELLOW = Only used in Teletext mode

⑲ ⊟? = Reveal P- = Programme Down /

⑳ SLIDE SHOW/ ⬚ = No function/ Subtitle

㉑ PHOTO= No Function

㉒ **SWIVEL= No Function**

㉓ ▣ = Aspect ratio

㉔ ▤ = Teletext On/Off

㉕ ⊠ = Time

㉖ ⊟ = Guide for DTT/ Index Pagefor TV

㉗ GREEN = Only used in Teletext mode

㉘ RED = PAT (Picture and Text)

㉙ ▶◀ = Freeze On/Off

㉚ ⁺◢ / ⁻◢ = Volume Up/ Down

㉛ Ⅰ/Ⅱ = Mono/Stereo - Dual A-B

㉜ ♪ = Equalizer Sound Mode

㉝ ◀ = Cursor Left

㉞ ▲ = Cursor Up

㉟ ▦ = Menu On/Off

㊱ AV5 =AV5 mode

㊲ AV4 = AV4 mode

㊳ AV1 = AV1 mode

㊴ DTT/TV = Selector button for Digital/Analogue mode

PLASMA TV

FRONT VIEW

SPEAKER   LED   SPEAKER   ON/OFF
                                                             SWITCH
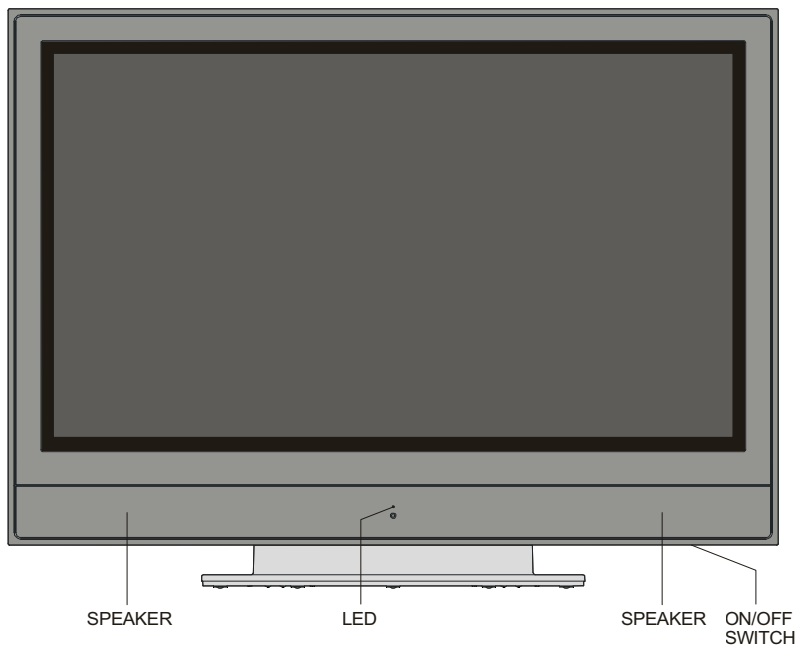
REAR VIEW
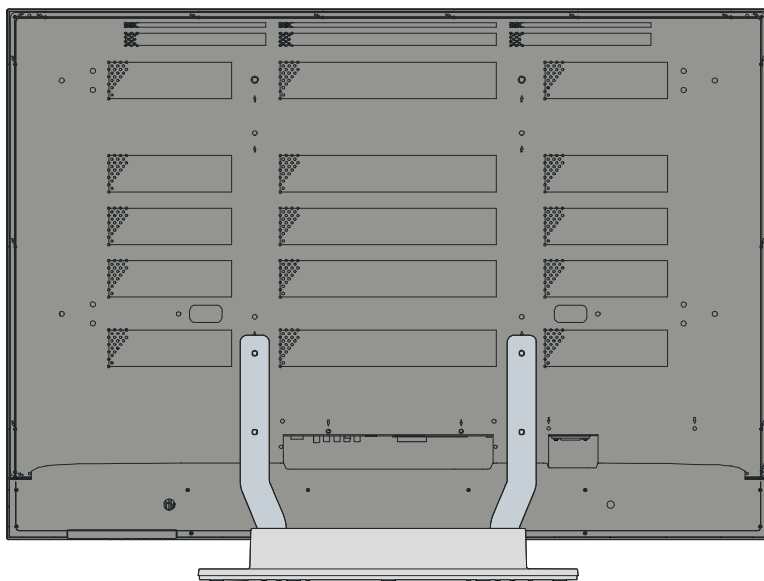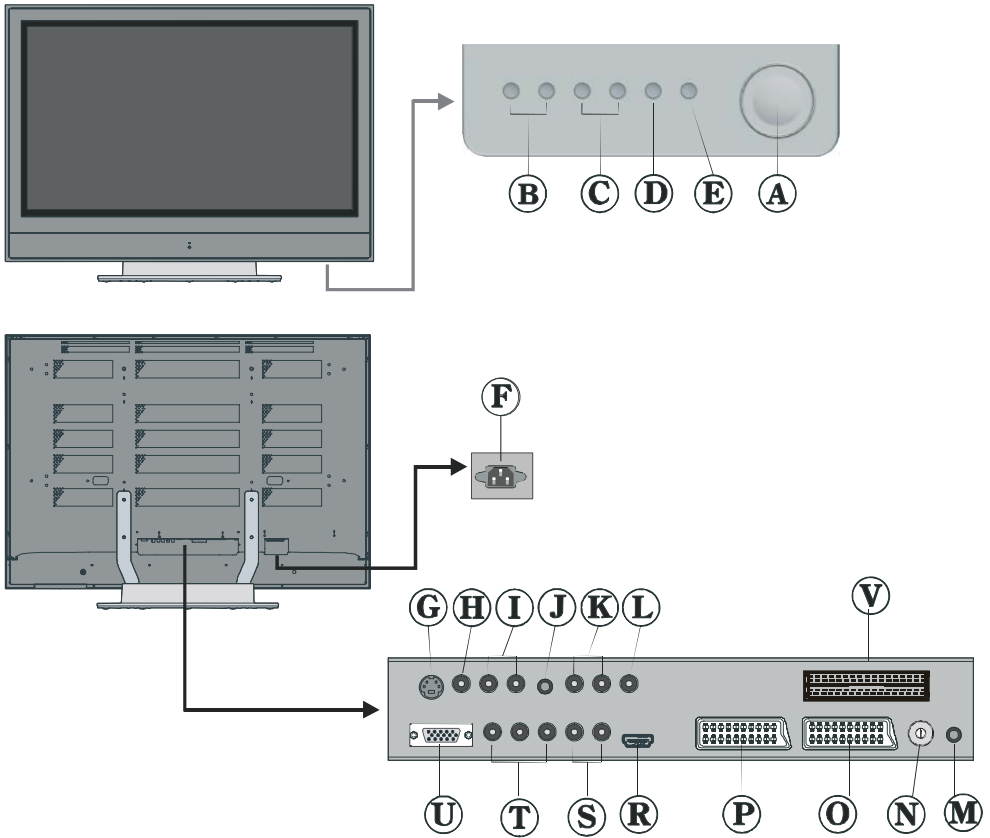
Ⓐ On/Off switch
Ⓑ Volume Up, Volume Down buttons
Ⓒ Prog. Up, Prog. Down buttons
Ⓓ MENU button
Ⓔ TV/AV button
Ⓕ Power cord input
Ⓖ S-VHS Input
Ⓗ Video Input
Ⓘ Audio Inputs
Ⓙ Headphone
Ⓚ Audio Line Outs

AV-4

Ⓛ Subwoofer Out
Ⓜ PC Audio Input
Ⓝ Aerial
Ⓞ Scart 2 (AV-2)
Ⓟ Scart 1 (AV-1)
Ⓡ HDMI Input (AV-5)
Ⓢ Component Audio Inputs
Ⓣ Component Video (YPbPr) Inputs
Ⓤ VGA Input
Ⓥ CI Slot

AV-3

Preparation

For ventilation, leave a space of at least 10 cm free all around the set. To prevent any fault and unsafe situations, please do not place any objects on top of the set.

Use this apparatus in tropical and/or moderate climates.

Features

• Remote controlled colour television.

• Fully integrated Digital TV (DVB-T)

• 100 programmes from VHF, UHF bands or cable channels can be preset.

• It can tune cable channels.

• Controlling the TV is very easy by its menu driven system.

• It has 2 Scart sockets for external devices (such as video, video games, audio set, etc.)

• 3DS Virtual Surround Sound

• Stereo sound system (German+Nicam).

• Full function Teletext .

  Fastext (1000 Pages), TOP text.

• Headphone connection.

• Direct channel access.

• A.P.S. (Automatic Programming System).

• All programmes can be named.

• Forward or backward automatic tuning.

• Sleep timer.

• Child Lock.

• Automatic sound mute when no transmission.

• NTSC Playback.

• AV in and S-VHS in are available.

• It has VGA connector for external devices such as computer.

• It has an HDMI connector for Digital Video and Audio. This connection is also designed to accept High Definition signals.

• It has PIP / PAP / PAT functions.

• AVL (Automatic Volume Limiting)

• TV Picture in PC

• When no valid signal is detected, after 5 minutes the TV switches itself automatically to stand-by mode.

• PLL (Channel Search)

• PC Input (Support up to SXGA 1280 x 1024)

• Stereo PC Audio Input

• Plug&Play for Windows 9X, ME, 2000, XP

• 3D Comb Filter

• Audio Line Out

Panel Features

• 42-inch PLASMA display.

• High resolution (1024x1080)

• Contrast ratio (4000:1 typical)

• Brightness (typical) 1400 cd/m^2.

• Display colour 16.77 Million.

Safety Precautions

IMPORTANT SAFETY INFORMATION ON OPERATING YOUR TV

Do's and Don'ts

DO's

This Television has been designed and manufactured to meet international safety standards, but like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.

DO read the operating instructions before you attempt to use the equipment.

DO consult your dealer if you are in any doubt about installation, operation or safety of your equipment.

DO be careful with glass panels or doors on equipment.

This TV is supplied with a fitted mains plug. This plug must not be cut off as it may contain a special radio interference filter, the removal

of which could lead to impaired performance. If you wish to extend the lead, obtain an appropriate safety approved extension lead or consult your dealer.

Observe the manufacturers instructions when connecting extension leads to the TV. Check the fuse rating on the new plug, this should be fitted with a 5 Amp fuse which conforms to either ASTA or BSI (BS1 362) approvals, these are easily identifiable by either the ⟨A$A⟩ or ⟨S⟩ symbols. If you are in any doubt about the installation of an extension lead, please consult a competent electrician.

DON'Ts

DON'T continue to operate the equipment if you are in any doubt about it working normally, or if it is damaged in any way switch off, withdraw the mains plug and consult your dealer.

DON'T place water filled vessels on top of T.V. cabinets.

DON'T remove any fixed cover as this may expose dangerous voltages.

DON'T leave equipment switched on when it is unattended unless it is specifically stated that it is designed for unattended operation or has a stand-by mode. Switch off using the switch on the equipment and make sure your family know how to do this. Special arrangements may need to be made for infirm or handicapped people.

DON'T use equipment such as personal stereos or radios so that you are distracted from the requirements of traffic safety. It is illegal to watch television whilst driving.

DON'T obstruct the ventilation of the equipment, for example with curtains or soft furnishings. Overheating will cause damage and shorten the life of the equipment.

DON'T use makeshift stands and NEVER fix legs or stands to the TV with any screws other than those provided - to ensure complete safety always use the manufacturers approved stand with the fixings provided.

DON'T allow electrical equipment to be exposed to rain or moisture.

ABOVE ALL

• *NEVER let anyone, especially children push anything into holes, slots or any other opening in the case - this could re-sult in a fatal electric shock.*

• *NEVER guess or take chances with electrical equipment of any kind - it is better to be safe than sorry!*

1. Power Source

The receiver should be operated only from a **220-240V AC, 50 Hz.** outlet. Ensure you select the correct voltage setting for your convenience.

2. Power Cord

The power supply cord should be placed so that it is not likely to be walked on or pinched by items placed upon them or against it. Pay particular attention to cord where it enters the plug, power outlet, and the point where it exits from the receiver.

3. Moisture and Water

Do not use this equipment in a humid and damp place (avoid the bathroom, the sink in the kitchen, and near the washing machine). Do not expose this equipment to rain or water, as this may be dangerous and do not place objects filled with liquids on top. Avoid from dripping or splashing.

4. Cleaning

Before cleaning, unplug the receiver from the main supply, outlet. Do not use liquid or aerosol cleaners. Use soft and dry cloth.

5. Ventilation

The slots and openings on the receiver are intended for ventilation and to ensure reliable operation. To prevent overheating, these openings must not be blocked or covered in anyway.

6. Lightning

In case of storm and lightning or when going on holiday, disconnect the power cord from the wall outlet.

7. Replacement Part

When replacement parts are required, be sure the service technician has used replacement parts which are specified by the manufacturer or have the same specifications as the origi-

nal one. Unauthorised substitutions may result in fire, electrical shock, or other hazards.

8. Servicing

Please refer all servicing to qualified personnel. Do not remove cover as this may result in electric shock.

9. Naked Flame Sources

Do not place naked flame sources on the apparatus.

WARNING: When the device is not in use for a long time, disconnect from power.

Instructions for waste disposal:

• *Packaging and packaging aids are recyclable and should principally be recycled. Packaging materials, such as foil bag, must be kept away from children.*

• *Battery, including those which is heavy metal-free, should not be disposed of with household waste. Please dispose of used battery in an environmentally sound manner. Find out about the legal regulations which apply in your area.*
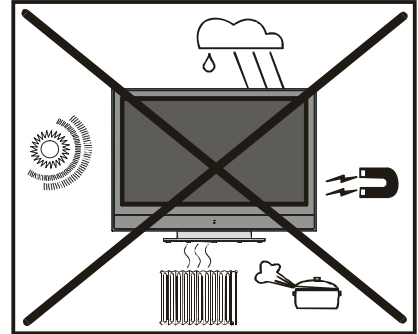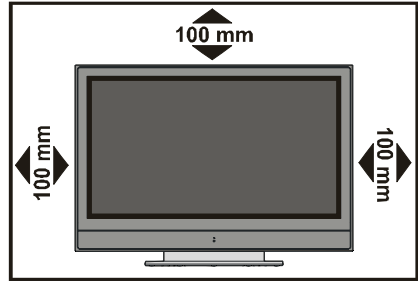
"The Plasma TV is a very high techology product giving you fine picture details. Occasionally, a few non-active pixels may remain still on the screen. Long-time unmoving still pictures may cause permanent shade effect on the screen and even the picture has been changed, its influence lasts as ghost picture. This ghost effect may disturb the user even though it will diminish in the course of time. To prevent this, don't leave still pictures for example teletext pages or frozen pictures on the screen for a long time. Please note that this does not affect the performance of your product."

"DO NOT LEAVE YOUR TV AT STAND-BY OR OPERATING WHEN YOU LEAVE YOUR HOUSE"

Before Switching On Your TV

Power Connection

IMPORTANT: The TV set is designed to operate on **220-240V AC, 50 Hz.**
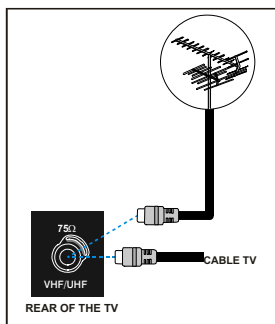
• After unpacking, allow the TV set to reach the ambient room temperature before you connect the set to the mains.

Connections To The Aerial Input Socket

REAR OF THE TV

• Connect the aerial or cable TV plug to the Aerial input socket located at the rear of the TV and connect the cable plug coming out from the TV out socket located on the devices (VCR, DVB-T etc.) to this socket as well.

How To Connect Other Devices

IMPORTANT: Switch off the TV before connecting any external device.

Sockets for external connections are at the rear side of the TV. For connection of other devices via Scart refer to the manuals of the related devices.

Inserting Batteries In The Remote Control Handset

• Remove the battery cover located on the back of the handset by gently pulling downwards from the indicated part.

• Insert two **AA/R6** or equivalent type batteries inside. Place the batteries in the right directions.

• Replace the battery cover.
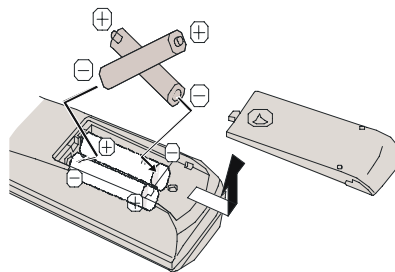
NOTE: Remove the batteries from remote control handset when it is not to be used for a long period.Otherwise it can be damaged due to any leakage of batteries.

Switching The TV ON/OFF

To switch the TV on:

Your TV will switch on in two steps:

1- Connect the power supply cord to the system. Press On/Off switch "①" on the TV. Then the TV switches itself to stand-by mode and the led on the front of the TV becomes Red.

2- To switch on the TV from stand-by mode either:

Press a digit button on the remote control so that a programme number is selected,

or,

Press the "V" or "Λ" button on the TV or press the **"P-"** or **"P+"** button on the remote control, so that last mode switched off is selected.

By either method the TV will switch on and the led becomes green.

To switch the TV off:

• Press the "⏻| (stand-by)" button on the remote control, so the TV will switch to stand-by mode and the **GREEN LED** will become **RED**.

To power down the TV completely, press On/Off switch "①",

or,

Unplug the power cord from the mains socket.
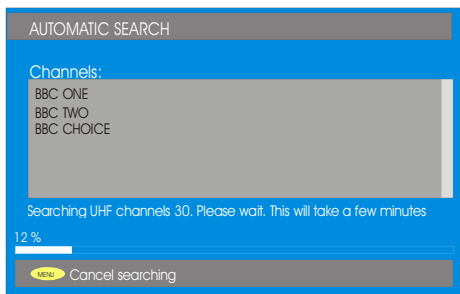
Initial Settings

When the TV is turned on for the first time, it is in the digital mode.

Because this is the first time the TV is used, there are no channels stored in the memory and the following message appears on the screen.
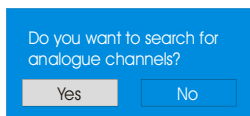
Please ensure aerial is plugged in. Do you want to start first time installation?

Yes | No
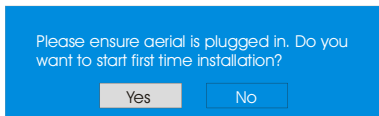
• To start installation process, select **"Yes"**, to cancel select **"No".**

• To select an option **"Yes** or **No",** highlight the item by using ◄ or ► buttons and press the "OK" button.

The IDTV will automatically tune to the UHF transmission channels 21 to 68 looking for digital terrestrial TV broadcasts and displaying the names of channels found. This process will take about five minutes. To cancel searching, you can press the "⊡" button at any time during the process.

AUTOMATIC SEARCH

Channels:
BBC ONE
BBC TWO
BBC CHOICE

Searching UHF channels 30. Please wait. This will take a few minutes

12 %

MENU Cancel searching

After **Automatic Search** process is completed, the following message asking for analogue channel search appears on the screen. TV switches to the analogue TV mode.

Do you want to search for analogue channels?

Yes | No

To seach for analogue channels, select "Yes".
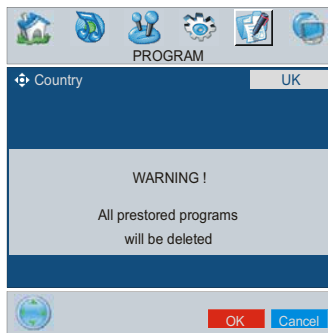
PROGRAM

⊕ Country   UK

WARNING !

All prestored programs
will be deleted

OK | Cancel

Press the BLUE button to cancel APS if you do not want to delete your existing programme list.

To continue APS, first select the country by pressing ◄ / ► button and then press the RED or "**OK**" button.

APS is running...
UK - I   055,25 Mhz

Cancel
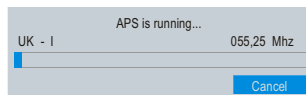
After APS is finalized, the programme table will appear on the screen. In the programme list you will see the programme numbers and names assigned to the programmes.

PROGRAM

01	BBC1	11	C - 43
02	BBC2	12	C - 64
03	ITV	13	C - 68
04	CH4	14	S - 40
05	CH5	15	- - - - -
06	C - 06	16	- - - - -
07	C - 08	17	- - - - -
08	C - 21	18	- - - - -
09	C - 23	19	- - - - -
10	C - 35	20	- - - - -

Name | Insert
Delete | APS

If you do not accept the locations and / or the programme names of programmes, you can change them in Program menu. For details see Program menu on page 23.

To display channel list in IDTV, switch to the IDTV via pressing the **"DTT/TV"** button. Then press the "⊡" button to enter main menu, **Channel List** will be highlighted. Press the OK button to enter the menu.

Operating The TV

You can operate your TV using both the remote control handset and the buttons on the set.

Operating with the buttons on the TV set

Volume setting and programme selection can be made by using the buttons on the control panel at the bottom of the TV.

Volume Setting

Press the **"- ◢"** button to decrease volume or the **"◢ +"** button to increase volume, so a volume level scale (slider) will be displayed at the bottom of the screen.

Programme Selecting

Press the "Λ" button to select the next programme or the "V" button to select the previous programme.

Entering The Menu

Press the "**MENU**" button on the control panel at the bottom of the TV to enter the menu.

"Λ / V" and **"◢ + / - ◢"** buttons on the TV are used as navigation buttons in menu.

AV Mode

Press the **"AV"** button on the control panel at the bottom of the TV to switch your TV to AV modes.

Operating With Remote Control

The remote control handset of your TV is designed to control all the functions of your TV. The functions will be described in accordance with the menu system of your TV.

Functions of the menu system are described in Menu System section.

Volume Setting

Press the ⁺◢ button to increase volume. Press the ◢ button to decrease volume. A volume level scale (slider) will be displayed at the bottom of the screen.

Programme Selecting

(Previous or next programme)

• Press the **"P-"** button to select the previous programme.

• Press the **"P+"** button to select the next programme.

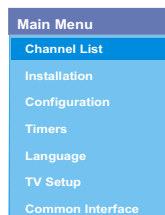#### Programme Selecting (direct access):

Press digit buttons on the remote control handset to select programmes between 0 and 9. The TV will switch to the selected programme after a short delay.

• For a two digit programme number enter the second digit after pressing the first digit within 2 seconds.

IDTV Menu System

The IDTV menu can only be shown when watching Digital terrestrial broadcasting. Press the **"DTT/TV"** button to turn IDTV on while TV is in analogue mode.

Press the "▣" button. The menu below appears on the screen:

Main Menu
Channel List
Installation
Configuration
Timers
Language
TV Setup
Common Interface

Channel List

Using the ▲ or ▼ button on the remote control in Main menu, make sure that the first item, Channel List, is highlighted and press the OK button to display the **Channel List**.

The following operations can be performed in this menu:

1. **Navigating the whole list of channels**
2. **Deleting channels**
3. **Renaming channels**
4. **Adding locks to channels**
5. **Setting favourites**

Channel List is the place where the channels are managed.
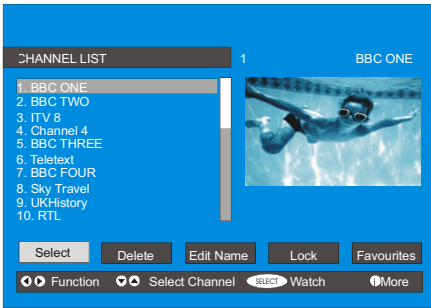
Navigating the whole channel list

Press ▲ or ▼ button for selecting the previous or next channel.

To watch a specific channel, highlight the "Select" item in the channel list using the ◄ or ► button. Then using the ▲ or ▼ button select the desired channel and press the "OK" button.

The selected channel has the name displayed to the top-right and the channel number to the top left of the channel preview pane, as shown in the above diagram.

Deleting the channels in the channel list

Press ▲ or ▼ button to select the channel that will be deleted.

Press ◄ or ► button to select the ''**Delete**'' item on Channel List menu. As seen on Channel List menu, **Select** is written next to **Delete** item at the bottom of the screen to indicate that press the "OK" button to delete the highlighted channel in the channel list.
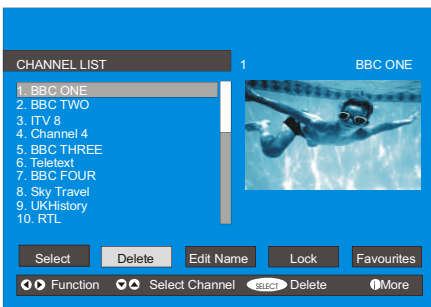

Press the "OK" button to delete the highlighted channel in the channel list. Then the following message appears on the screen.
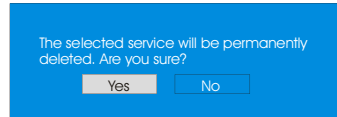
Press ◄ or ► button to highlight the desired option. If "OK" button is pressed while "Yes" is highlighted, the highlighted channel is deleted. Selecting "No" cancels the delete operation.

Renaming channels

To rename a specific channel, the channel must be highlighted via pressing ▲ or ▼ button and then highlight the **Edit Name** item by pressing ◄ or ► button. Press "OK" to activate rename feature.
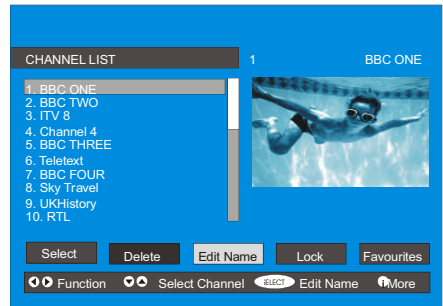

Now pressing ◄ or ► button moves to the previous/next character. Pressing ▲ or ▼ button toggles the current character, i.e. '**b'** character becomes '**a'** by ▼ and '**c'** by ▲. Pressing the numeric buttons '**0...9'** replaces the highlighted character with the characters printed above the button one by one as the button is pressed.

Press the "▭" button to cancel the editing or "OK" button to save the new name.

Adding locks to channels

Channel Locking provides a password-protected access to channels selected by parents. In order to lock a channel you should know the Parental Lock password (default value is set to 0000 in the factory and can only be changed from the **Configuration Menu**).

Select the channel to be locked by highlighting it and select the **"Lock"** option by pressing ◄ or ► button. When the "OK" button is pressed, a password box is displayed.
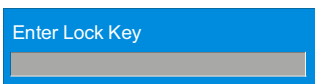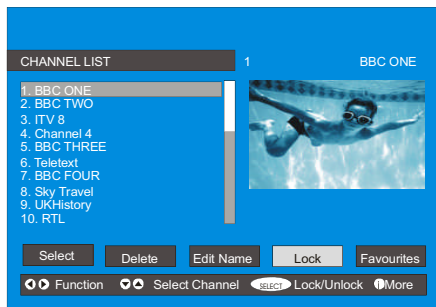
Enter the password using the digit buttons on the remote control. The Lock icon 🔒 will now be displayed next to the selected channel. Repeat the same operation to cancel the Lock.

Setting Favourites

You can set various channels as favourites so that only the favourite channels are navigated when you press the P +/- keys on the remote control. To set a favourite you should highlight the "**Favourites**" item at bottom of the Channel List menu.

Use the ◄ or ► button to highlight the **"Favourites"** item at the base of the screen and then, in turn, highlight each channel you want to add to the favourites list, using the ▲ and ▼ buttons and press the "OK" button.

A channel selected as a favourite appears in the main channel list with a favourites icon (☺) against the channel name.
You must then set the Favourite mode to ON in the Configuration menu (see page 15 for further details).
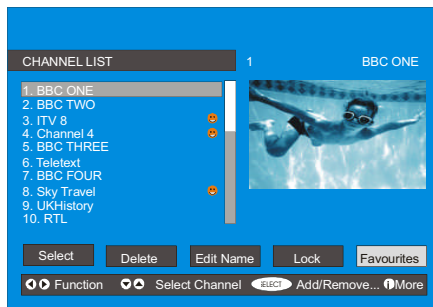
On Screen Help Pressing INFO Button

For all menus press the "ⓘ+" button to display the help information about the menu functions. For **Channel List** menu the following message is displayed on the screen.

Installation

The Installation menu mainly intends to help you for building a **Channel Table** in the most efficient way.
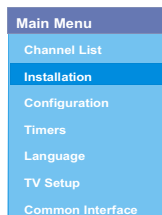
This menu includes the following items:

      1. Add New Channels

      2. First Time Installation.

ADD NEW CHANNELS:

This tuning menu consists of two parts:

    •Automatic Search

    •Manual Search

Automatic Search:

Automatic search is started by pressing the **"OK"** button in the auto-search pop up

menu. All the services are searched and a channel table is created automatically.

All channels found are stored in a sorted form with respect to their channel numbers. Some services may not appear with the correct channel number. At the time of printing, not all broadcasters are sending their channel number information.

Manual Search:

In manual search, the number of the multiplex is entered manually and only that multiplex is searched for the channels. For every valid channel number, signal level, signal quality and network name are shown at the bottom of the screen.

In both manual and auto search any existing channel in the database is not re-stored to avoid redundant duplicates of that channel.

<u>FIRST TIME INSTALLATION</u>

The user can use this item to load default settings, which had been loaded to the receiver at the factory.

To install factory settings, highlight **"First Time Installation"** menu and press the "OK" button, then you will be asked to confirm for deleting all channels and settings.
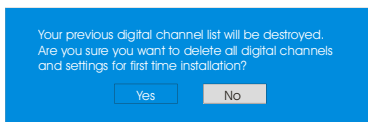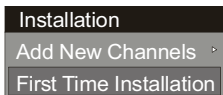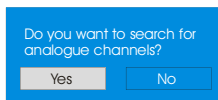

By selecting YES and pressing the "OK" button, the existing channel table will be deleted.

After factory settings is loaded, "**First Time Installation**" menu will be displayed.
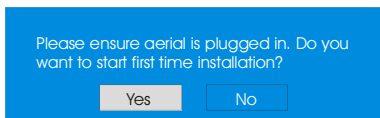
Press the "OK" button to start installation. After search is completed for digital channels, a message asking search for analogue channels appears on the screen.

Press the "OK" button to search for analogue channels. The following menu appears on the screen for analogue channel search.
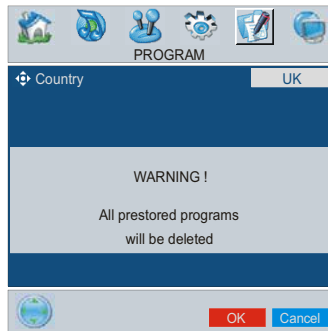
First of all choose Language and Country by using ▲ / ▼ and ◄ / ►buttons. This will affect the sort process in APS. To start APS, press the RED or "OK" button.
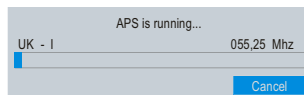
After APS is finalized, the programme table will appear on the screen. In the programme table you will see the programme numbers and names assigned to the programmes.

If you do not accept the locations and / or the programme names, you can change them in the Program menu. (See page 23 for Program table explanation.)

Configuration

Press the "**MENU**" button to display the Main Menu and the ▼ button twice to highlight Configuration, then press the "**OK**" button to display the Configuration menu. Press the "**MENU**" button to leave the menu.

Main Menu
Channel List
Installation
Configuration
Timers
Language
TV Setup
Common Interface
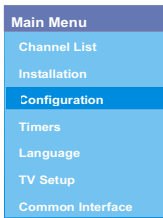
The various configuration functions are displayed in a list, along with a quarter-screen image of the currently selected channel. You can select a function by highlighting the corresponding menu line using the ▲ or ▼ button.

CONFIGURATION
Audio Language   English
Subtitle   Off
Favourite Mode   Off
EPG Preference   Now&Next
Receiver Upgrade V.1.5
Parental Settings

◄► Change Default Audio Language   ⓘ More

Audio Language

Digital terrestrial television channels can broadcast simultaneous soundtracks in more than one language. This function selects which language soundtrack you will hear when switching to a channel broadcasting with the multiple soundtracks.

Highlight the **Audio Language** line in the Configuration menu and use the ◄ or ► button to cycle through the language options.
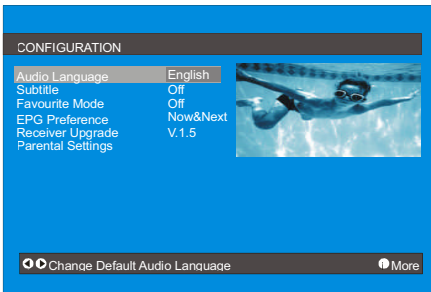
Subtitle

Digital terrestrial television channels can broadcast subtitles displayed on-screen for the hard-of-hearing. This function selects the desired subtitle language and enables the automatic display of subtitles whenever subtitle information is broadcast.

Highlight the Subtitle line in the Configuration menu and use the ◄ or ► button to cycle through **"Off"** and language options.

Favourite Mode

This function enables or disables the favourite channel list mode. See Channel List menu Favourites on page 13.

Use ◄ or ► button to turn on/off favourite mode. If the **"Favourite Mode"** is on, in normal operating mode pressing "**P+**" and "**P-**" buttons will only navigate through the channels that were previously defined as favourites in Channel List.

EPG Preference

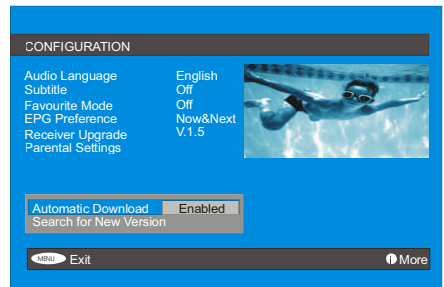Digital terrestrial television channels can broadcast simultaneous Next&Now and 7-Day electronic programme.

Highlight the EPG Preference line in the Configuration menu and use the ◄ or ► button to select **Next&Now** or **7-Day.**

Receiver Upgrade

The IDTV can be upgraded via the configuration menu, entered from the main menu.

In the Configuration menu, highlight the **"Receiver Upgrade"** item by pressing ▲ or ▼ button and press the "OK" button to start upgrade process.

There are two possibilities for Receiver software to be upgraded: **automatic** and **manual**.

CONFIGURATION
Audio Language   English
Subtitle   Off
Favourite Mode   Off
EPG Preference   Now&Next
Receiver Upgrade V.1.5
Parental Settings

Automatic Download   Enabled
Search for New Version

MENU Exit   ⓘ More

Automatic Download (Automatic upgrade)

Automatic Download can be enabled or disabled by pressing ◄ or ► button. If it is enabled, then there are two ways for automatic upgrade. The first one is checking the existence of a new software every time the IDTV goes to standby. The second one is waking up at 03:00 a.m. every night, provided that the IDTV is left in standby mode.

Both automatic upgrade methods result in standby mode either upgraded or not.

If the automatic upgrade is set to "Disabled" then this function will not work.

Search For New Version (Manual upgrade)

Manual upgrade starts if the **"Search for New Version"** item is highlighted by using ▲ or ▼ button and activated via pressing the **"OK"** button.

After **"Search for New Version"** is activated, the IDTV tunes to each frequency that have been stored in its database and looks for the new software.

Software Upgrade

Searching for upgrade. Please wait, or press MENU to cancel.

Search Progress:
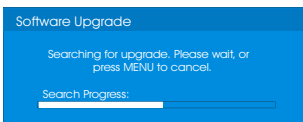
Parental Settings

Some channels broadcast material which you do not want younger members of the family to watch. Any channel can be 'locked' so that it cannot be selected for viewing without first a four-digit PIN code being entered. In this way any channel not suitable for younger viewers can be protected.

This function enables or disables the menu protection system and allows the PIN code to be changed.

Use ▲ or ▼ button to go to Parental Settings option. Press the "OK" button to enter Parental Settings Menu. A box asking for the lock key is displayed.
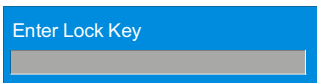
Enter Lock Key

There is only one key which is set to "0000" initially. Enter lock key. If wrong Lock key is entered, the following message is displayed on the screen and it is returned back.

Wrong Lock Key

If it is correct, the Parental Settings Menu including following items is displayed:

Menu Lock   Installation
Set Lock Key

There you can set/reset locking for the Main Menu, or the Installation Menu to restrict access. If the menu lock is disabled, there will be free access to the menu system. Also in this menu you can change the lock key and set/change parental lock mode.

Disabled: All menus are unlocked.

Main Menu: Main menu is accessible only with the correct lock key. So the user cannot add, delete, rename, move channels, cannot set timers.

Installation: Installation menu is locked, so the user cannot add channels.
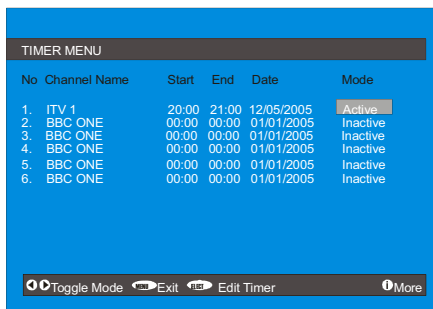
Changes will be updated after exiting Configuration Menu.

Timers

Display the Main Menu by pressing the "**MENU**" button. Highlight the **Timers** line by pressing ▲ or ▼ button and press the "OK" button to display the Timer menu.

Main Menu
Channel List
Installation
Configuration
Timers
Language
TV Setup
Common Interface
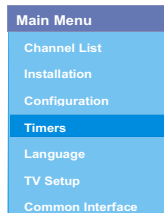
Up to five separate timer events can be set and each is displayed in the Timer screen, showing the event number, the channel to be selected, the start time, end time, date and the mode - whether that event is active (and will be acted on) or not.

TIMER MENU				
No Channel Name	Start	End	Date	Mode
1. ITV 1	20:00	21:00	12/05/2005	Active
2. BBC ONE	00:00	00:00	01/01/2005	Inactive
3. BBC ONE	00:00	00:00	01/01/2005	Inactive
4. BBC ONE	00:00	00:00	01/01/2005	Inactive
5. BBC ONE	00:00	00:00	01/01/2005	Inactive
6. BBC ONE	00:00	00:00	01/01/2005	Inactive

◄►Toggle Mode Exit Edit Timer More

• To set an event, highlight its mode button using the ▲ or ▼ button and press the "OK" button to display the timer entry window.

Name:	3. ITV 1
Start:	00:00
End:	00:00
Date:	03/06/2005
Mode:	Once

• Here the five settings of channel name, start time, end time, date and frequency mode can be set. You can move freely between each setting using the ▲ or ▼ buttons.

• The channel name is set using the ◄ or ► button to display the channel which broadcasts the programme.

• The start time, end time and date are each set with the digit buttons on the remote control in 24-hour format.

• The frequency mode determines how often the receiver operates this event and is set with the ◄ or ► button to be either **Once**, **Daily**, or **Weekly**.

If an invalid number for the start or end times or the date is entered, "Entered time is not valid" message appears on the menu.

RECORDING FROM IDTV

Connect your VCR to AV2 via a scart lead.

Set the AV2-OUT in the feature menu to DDT, as illustrated on page 21 and described on page 22.

Set the time as described above.

Set your TV to standby using the remote control.

Set your VCR to correspond with the time set on your TV and select external input (refer to your VCR instruction book).

NB. If you switch on your TV whilst the timer recording is active and then switch back to standby, the timer recording will be cancelled; the timer setting will be deleted and the desired programme will not be recorded.

Language

Some programmes are broadcast in two or more languages simultaneously. The language heard can be selected from the Language Menu.

• Press the "🖳" button to display the Main Menu and use ▲ or ▼ button to highlight the Language line and press the "OK" button.

Main Menu
Channel List
Installation
Configuration
Timers
Language
TV Setup
Common Interface

• Use the ▲ or ▼ button to highlight the soundtrack language required and press the "OK" button. Normal viewing, with the required language soundtrack, can be resumed by pressing the "🖳" button.

Languages
English

• If the programme has no alternative language soundtrack broadcast, the Language Menu will not be available, but a message, **"No Multi Language Available"** is displayed briefly.

TV Setup

To be able to go through TV functions, you can use this item.

The digital TV Setup menu screen is accessed from the main menu. Press the "🖳" button to display the main menu and use ▲ or ▼ button to highlight **"TV Setup"**, press the "OK" button to display TV Setup menu screen.

Main Menu
Channel List
Installation
Configuration
Timers
Language
TV Setup
Common Interface

Detailed information about Sound, Picture and Feature menus are in AnalogueTV Menu System section on page 18.

Common Interface

• Press the "▣" button to display the Main Menu and use the ▲ or ▼ button to highlight the **"Common Interface"** line and press the "OK" button.
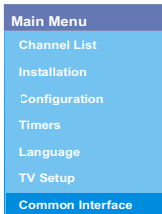
It is required to subscribe to a pay channel company to view the pay channels of the Digital Terrestrial broadcasting.

Obtain the Conditional Access Module (CAM) and the Viewing card by subscribing to a pay channel company, then insert those to the Television using the following procedure.

1. Switch off the TV and unplug from the mains.

2. Insert the CAM, then Viewing Card to the slot that is located in the terminal cover at the left-hand side of the TV (from front view).

• The CAM should be correctly inserted, it is impossible to insert fully if reversed. The CAM or the TV terminal may be damaged if the CAM is forcefully inserted.

3. Connect the TV to the mains supply, switch on and then wait for few moments until the card is activated.

• Some CAMs may require the following set up. Please set the CAM by entering the IDTV menu, Common Interface then pressing the "SELECT" button. (CAM set up menu is not displayed when it is not required.)

• To see the viewing contract information:

Enter IDTV; press the "▣" button, then highlight **Common Interface** and press the "OK" button.

• When no module is inserted, "**No Common Interface module detected**" message appears on the screen.

• Refer to the module instruction manual for details of the settings.

Analogue TV Menu System

Your TV has been designed with a menu system to provide easy manipulation of a multifunction system.

Press the ▣ button to enter the menu. Press ◀ / ▶ button to select a menu title and then ▲ / ▼ button to select a menu item and ◀ / ▶ or "**OK**" button to enter the menu item.

• Press the ▣ button to exit the menu.

• Press the ↰ button to return to the previous menu.

Picture menu

By pressing ◀ / ▶ button, select the first icon. Picture menu appears on the screen.

Mode

By pressing ▲ / ▼ button, select **Mode**. Press ◀ / ▶ button to choose one of these options: **Natural**, **Dynamic** and **Cinema**.

Picture mode can be changed directly by pressing the 🌓 button.

Contrast

By pressing ▲ / ▼ button, select **Contrast**. Press ▶ button to increase contrast. Press ◀ button to decrease contrast. Contrast level can be adjusted between 0 and 63.

Brightness

By pressing ▲ / ▼ button, select **Brightness**. Press ▶ button to increase brightness. Press ◀ button to decrease brightness. Brightness level can be adjusted between 0 and 63.

Sharpness

By pressing ▲ / ▼ button, select **Sharpness**. Press ▶ button to increase sharpness. Press ◀ button to decrease sharpness. Sharpness level can be adjusted between 0 and 31.

Colour

By pressing ▲ / ▼ button, select **Colour**. Press ▶ button to increase colour. Press ◀ button to decrease colour. Colour level can be adjusted between 0 and 99.

Hue

This item is displayed in picture menu when the TV receives an NTSC signal. By pressing ▲ / ▼ button, select **hue**. Press ▶ button to increase hue. Press ◀ button to decrease hue. Hue level can be adjusted between -31 and 31.

Colour Temp

By pressing ▲ / ▼ button, select **Colour Temp**. Press ◀ / ▶ button to choose one of these options: **Cool**, **Normal** and **Warm**.

Noise Reduction

This item is used to reduce the image noise and improve the picture quality at weak signals.

By pressing ▲ / ▼ button, select **Noise Reduction.** Press ◀ / ▶ button to set **Noise reduction** level to **Off**, **Low**, **Medium** or **High.**

Film Mode

Films are recorded at a different number of frames per second to normal television programmes.

By pressing ▲ / ▼ button, select **Film Mode**. Press ◀ / ▶ button to set this feature On or Off. Turn this feature on when you are watching films to see the fast motion scenes clearly.

3D Comb

3D Comb is used to improve colour transitions and colour quality of pictures.

By pressing ▲ / ▼ button, select **3D Comb.** Press ◀ / ▶ button to set this feature On or Off.

Reset

By pressing ▲ / ▼ button, select **Reset.** Press ◀ / ▶ or "**OK**" button to reset the picture modes to factory default settings.

Sound menu

By pressing ◀ / ▶ button, select the second icon. Sound menu appears on the screen.
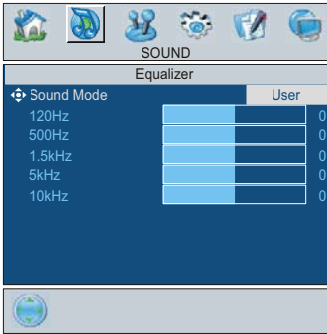
Volume

By pressing ▲ / ▼ button, select **Volume.** Press ▶ button to increase volume level. Press ◀ button to decrease volume level. Volume level can be adjusted between 0 and 63.

Equalizer

By pressing ▲ / ▼ button, select **Equalizer.** Press ◀ / ▶ or "**OK**" button to enter equalizer menu.

In equalizer menu the sound mode can be changed to **User, Pop, Rock, Jazz, Flat** and **Classic** by pressing ◀ / ▶ button. Equalizer menu settings can be changed only when **Sound Mode** is **User.** Select the desired frequency by ▲ / ▼ button and increase or decrease the frequency gain by pressing ◀ / ▶ button.
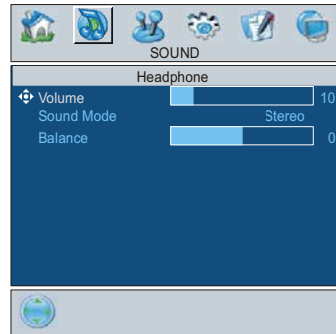
Press the button to return to the previous menu.

Balance

By pressing ▲ / ▼ button, select **Balance.** Press ▶ button to increase balance to the right. Press ◀ button to decrease balance to the left. Balance level can be adjusted between -31 and 31.

Headphone

By pressing ▲ / ▼ button, select **Headphone.** Press ◀ / ▶ or "**OK**" button to enter hedphone menu.

volume

By pressing ▲ / ▼ button, select **Volume.** Press ▶ button to increase hp volume level. Press ◀ button to decrease hp volume level. Headphone volume level can be adjusted between 0 and 63.

sound mode

By pressing ▲ / ▼ button, select **Sound Mode.** Press ◀ / ▶ button to change sound mode.

Sound mode is used to identify sound mode of the headphone and can be set to **mono, stereo, dual a** or **dual b** according to the transmission.

balance

By pressing ▲ / ▼ button, select **Balance.** Press ▶ button to increase balance to the right. Press ◀ button to decrease balance to the left. Balance level can be adjusted between -31 and 31.

Press the button to return to the previous menu.

Sound Mode

By pressing ▲ / ▼ button, select **Sound Mode.** Press ◀ / ▶ button to change the mode.

You can select **Mono**, **Stereo, Dual A** or **Dual B** mode, only if the selected channel supports that mode.

In case of bilingual broadcast (Dual Sound), you can select original or dubbed language using mode option.

AVL

Automatic Volume Limiting (AVL) function adjusts the sound to obtain fixed output level between programs, having different sound levels.

Pressing ◀ / ▶ button will turn this feature on or off.

Effect

You can use this feature to switch the sound effect on or off. If the current sound system is Mono and the sound effect is switched on, then the sound will be heard as if it is Stereo. If the current sound system is Stereo, switching this effect on will give a more spatial effect.

Pressing ◀ / ▶ button will turn this feature on or off.

Dynamic Bass

Dynamic Bass is used to increase bass effect of the TV set.

By pressing ▲ / ▼ button, select **Dynamic Bass.** By pressing ◀ / ▶ button set Dynamic bass to Low, High or OFF. It is not recommended to select High if listening at high volume levels. There is a subwoofer output that can accept an active subwoofer if you wish to create very high levels of Bass.

3DS

This feature is used to create the impression that sound is coming from around the room instead of from the set speakers. Pressing the ◀ / ▶ buttons will turn the feature on or off.

SubWoofer

It is possible to connect an external, active subwoofer to the set to give a much deeper bass effect.

By pressing ▲ / ▼ button, select Subwoofer. Subwoofer can be set to On or Off.

Set Subwoofer to On when you connect an external subwoofer to the set.

Feature menu

By pressing ◀ / ▶ button, select the third icon. Feature menu appears on the screen.

Sleep Timer

By pressing ▲ / ▼ button, select **Sleep Timer.** The timer can be programmed between Off and 2 hours in steps of 10 minutes by pressing ◀ / ▶ button. If sleep timer is activated, at the end of the selected time, the TV goes automatically to stand-by mode.

Child Lock

You can use this feature to prevent children turning the TV on or changing programs or adjustments etc. without remote control.

The child lock feature can be set by ◀ / ▶ button to either **on** or **off**. When **off** is selected, there will be no difference in the operation of your TV. When **on** is selected, the TV can only be controlled by the remote control handset. In this case the control panel buttons, except the Power on/off button, at the bottom of the TV will not work. If one of these buttons is pressed, "Child Lock On" will be displayed on the screen.

Language

By pressing ▲ / ▼ button, select **Language.** By pressing ◀ / ▶ button, you can select the language.

Av-2 Out

By pressing ▲ / ▼ button, select **Av-2 Out.** You can set **Av-2 Out** to **TV, Av-1, DTT, Av-3, Av-4, Av-5** or **PC RGB** by pressing ◀ / ▶ button.

Note: Only audio output is available for Av-4 and PC. The other options have both audio and video outputs.

Default Zoom

By pressing ▲ / ▼ button, select **Default Zoom.** You can set **Default Zoom** to **Panoramic, 4:3** or **14:9 Zoom** by pressing ◀ / ▶ button. If there is no WSS or aspect ratio (picture size) information and zoom mode is selected as **Auto** by pressing the 🔲 button, then the zoom mode will automatically change to Default Zoom setting. See also Zoom Modes on page 26.

Blue Background

You can set the TV to automatically change to a blue screen if the signal is weak or absent, or when there is no input from an external device.

The **Blue Background** feature can be turned on or off by pressing ◀ / ▶ button.

Menu Background

By pressing ▲ / ▼ button, select **Menu Background.** You can change menu background to **Translucent** or **Opaque** by pressing ◀ / ▶ button.

Menu Timeout

By pressing ▲ / ▼ button, select **Menu Timeout.** Press ◀ / ▶ button to change menu timeout to **15 sec, 30 sec** or **60 sec.**

Teletext Language

By pressing ▲ / ▼ button, select **Teletext Language.** Press ◀ / ▶ button to change Teletext Language to **West, East, Cyrillic, Turk/Gre** or **Arabic.** This will normally be set to West for Western Europe.

Screen Saver

By pressing ▲ / ▼ button, select **Screen Saver.** Press ◀ / ▶ or "**OK**" button to enter screen saver menu.

This menu has three items related to possible image retention problem in plasma display panels. First two items (Screen Wipe, Inverse) of this menu are used to remove the effects after the problem occured and the last item (Pixel Shift) is used to prevent this problem.

Screen Wipe : When OK is pressed on this item the panel is driven with full white picture for one hour unless any user command is entered. During this mode if any user command is entered, Screen Saver menu will be displayed on the screen with Screen Wipe highlighted.

Inverse: When OK is pressed on this item the colour of each pixel of the displayed image is inverted for one hour unless any user command is entered.
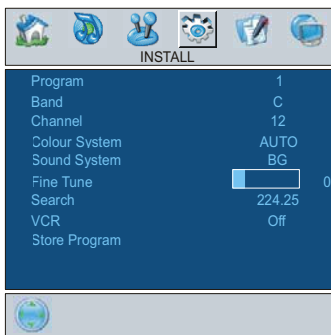
Pixel Shift : This item can be set to **off**, 5, 10, 20, 40 min. or 1 hour. Whole picture is shifted 2 pixels in the directions of the figure shown below.
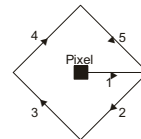
The time entered in this setting refers to the time between the picture being moved. If you are using games consoles or similar set to 5 mins but try not to leave static images on the screen for long periods of time.

Install menu

By pressing ◀ / ▶ button, select the fourth icon. Install menu appears on the screen.

INSTALL

Program	1
Band	C
Channel	12
Colour System	AUTO
Sound System	BG
Fine Tune	0
Search	224.25
VCR	Off
Store Program	

Program

By pressing ▲ / ▼ button, select **Program.** Press ◀ / ▶ button to select the program number. You can also enter a number via digit buttons on the remote control. There are 100 program storage between 0 and 99.

Band

Band can be selected either "C" or "S" by pressing ◀ / ▶ button.

Channel

Channel can be changed by ◀ / ▶ button or Digit Buttons.

Colour System

By pressing ▲ / ▼ button, select **Colour System.** Press ◀ / ▶ button to change the colour system to **PAL, PAL60, SECAM** or **AUTO**.

Note: In AV mode, you can choose NTSC 3.58 and NTSC 4.43 as well.

Sound System

By pressing ▲ / ▼ button, select **Sound System.** Press ◀ / ▶ button to change the sound system to **BG, DK, I** or **L/L'**.

Fine Tune

By pressing ▲ / ▼ button, select **Fine Tune.** Press ◀ / ▶ button to adjust the tuning.

Search

By pressing ▲ / ▼ button, select **Search.** Press ◀ / ▶ button to start program searching. The searching will stop when a signal is found. You can also enter a frequency value directly by pressing the digit buttons.

VCR (Video Cassette Recorder)

• This item can be seen in **all modes except Av-3** and **PC.**

• If you want to watch a **VCR** source from one of these modes, then it will be better to set **VCR** mode "on". For this, while the cursor is on this item press the ◀ / ▶ buttons to set it "**On**".

• If you want to watch a **DVD** , then you must set this item "**Off**".

Store Program

By pressing ▲ / ▼ button, select **Store Program.** Press ◀ / ▶ or "**OK**" button to store the adjustments. "Program Stored" will be displayed on the screen.

Program menu

By pressing ◀ / ▶ button, select the fifth icon. Program menu appears on the screen.

PROGRAM

01	ITV	11	C - 43
02	ZDF	12	C - 64
03	CH5	13	C - 68
04	C - 02	14	S - 40
05	C - 05	15	- - - - -
06	C - 06	16	- - - - -
07	C - 08	17	- - - - -
08	C - 21	18	- - - - -
09	C - 23	19	- - - - -
10	C - 35	20	- - - - -

Name	Insert
Delete	APS

By moving the cursor in four directions you can reach 20 programmes in the same page. You can scroll the pages up or down by pressing the navigation buttons to see all the programmes in TV mode (except the AV mode).

By cursor action, programme selection is done automatically.

Name:

To change the name of a decided programme, select the programme and press the RED button.

- 23 -

The first letter of the selected name starts to blink. Press ▲ / ▼ button to change that letter and ◀ / ▶ button to select the other letters. By pressing the RED button, you can store the name.

Insert:

Select the programme which you want to insert by navigation buttons. Press the GREEN button. By navigation buttons move the selected programme to the decided programme space and press the GREEN button again.

Delete:

To delete a programme, press the YELLOW button. Pressing the YELLOW button again erases the selected programme from the programme list, and the programmes below shift one up.

APS (Automatic Programming System)

When you press the BLUE button for APS, the following warning screen will be displayed.
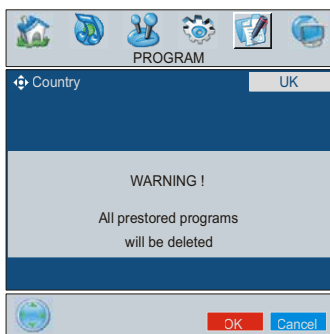
Press the BLUE button to cancel APS if you do not want to delete your existing programme list.

To continue APS, first select the country by pressing ◀ / ▶ button and then press the RED or "**OK**" button.
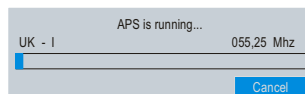
After APS is finalized, the programme table will appear on the screen.

Source menu

By pressing ◀ / ▶ button, select the sixth icon. Source menu appears on the screen.

In source menu, highlight a source by pressing ▲ / ▼ button and switch to that mode by pressing ◀ / ▶ or "**OK**"button.

PC Mode

Installation

- Power off both Computer and Display before making any connections.
- Set your PC's resolution correctly before connecting to the TV. See the table on **page 34** for supported modes.
- Use a D-SUB cable to connect the TV's PC input to the computer's RGB output terminal.

15 Pin Mini D-Sub Connector
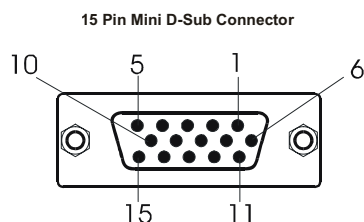
• Tighten the screws of the Display cable until the connectors are fastened securely (finger-tighten only).

Menu System in PC mode

Press the ▣ button. The menu will be displayed in the middle of the screen.

PC Picture Position Menu

By pressing ◀ / ▶ button, select the first icon. PC Picture Position menu appears on the screen.

PC PICTURE POSITION

Autoposition		
H Position		50
V Position		50
Dot Clock		50
Phase		50

1024x768
H:48kHz V:60Hz
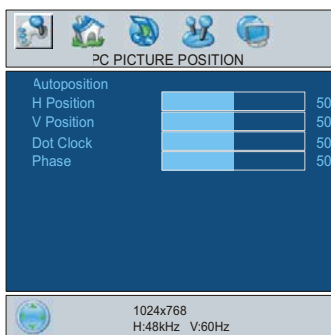
Autoposition

If you shift the picture horizontally or vertically to an unwanted position, use this item to put the picture into correct place automatically.

• Select **Autoposition** item by using ▲ / ▼ buttons.

• Press ▶ or "**OK**" button.

Warning: Auto position adjustment recommended to be done with the full screen image for the proper adjustment.

H (Horizontal) Position

This item shifts the image horizontally to right hand side or left hand side of the screen.

• Select **H Position** item by using ▲ / ▼ button.

• Use ◀ / ▶ button to adjust the value.

V (Vertical) Position

This item shifts the image vertically towards the top or bottom of the screen.

• Select **V Position** item by using ▲ / ▼ button.

• Use ◀ / ▶ button to adjust the value.

Dot Clock

Dot Clock adjustments correct interference that appear as vertical banding in dot intensive presentations like spreadsheets or paragraphs or text in smaller fonts.

• Use ◀ / ▶ button to adjust the value.

Phase

Depending on the resolution and scan frequency that you input to the TV Set, you may see a hazy or noisy picture on the screen. In such a case you can use this item to get a clear picture by trial and error method.

• Use ◀ / ▶ button to adjust the value.

PC Picture Menu

By pressing ◀ / ▶ button, select the second icon. PC Picture menu appears on the screen.

PC PICTURE

Contrast		46
Brightness		30
Colour Temp	Normal	
R		32
G		32
B		32
Reset		
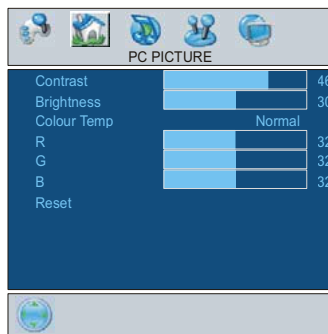
Contrast, Brightness and Colour Temperature adjustments in this menu are identical to adjustments defined in TV picture menu.

When Colour Temp is Manual, you can also adjust the R,G,B items. R, G and B adjust the TV image colour in PC mode. You can change the TV colour to your desired colour: R (Red), G (Green), B (Blue)

Select **Reset** and press ◀ / ▶ or "**OK**" button to reset the picture modes to factory default settings.

Sound Menu

By pressing ◀ / ▶ button, select the third icon. Sound menu appears on the screen.

The items in this menu are described at **Sound menu** starting **page 19**.

Feature Menu

By pressing ◀ / ▶ button, select the fourth icon. Feature menu appears on the screen.

The items in this menu are described at **Feature menu** starting **page 21**.

Source Menu

By pressing ◀ / ▶ button, select the fifth icon. Source menu appears on the screen.

In source menu, highlight a source by pressing ▲ / ▼ button and switch to that mode by pressing ◀ / ▶ or "**OK**"button.

Sound in PC mode

• Connect the PC's Audio output to the TV's **PC Audio In** socket with an audio cable.

Other Features

TV Status

Programme Number, **Programme Name, Sound Indicator** and **Zoom Mode** are displayed on the upper right side of the screen when a new programme is entered or ⓘ+ button is pressed.

Mute Indicator

It is placed in the upper left side of the screen when enabled.

To cancel mute, there are two alternatives; the first one is pressing the ⊄ button and the second one is increasing/decreasing the volume level.

PIP and PAP modes

Press the ⬚ button to switch to PIP mode.

At PIP Mode, a small picture (PIP picture) is displayed on the main picture.

For PIP picture restrictions, see table on page 36.

Press the ⬚ button twice to switch to PAP mode.

At PAP Mode, two pictures with equal sizes are displayed on the screen. Aspect Ratios of the windows are fixed.

When you switch to PAP Mode, Main window in PIP Mode is displayed on the right side of the screen.

Source restrictions of PAP Mode are same as in PIP Mode.

Freeze Picture

You can freeze the picture on the screen by pressing the ⊞ button. At **PIP** and **PAP** layouts; only the main picture can be frozen.

Zoom Modes

Zoom mode can be changed by pressing the ⊞ button. You can change the screen size according to the picture aspect ratio. Select the optimum one from the following **ZOOM** modes.

Note: You can only choose 4:3 and FULL in PC mode.

Auto:

When a **WSS (Wide Screen Signalling)** signal, which shows the aspect ratio of the picture, is included in the broadcast signal or the signal from an external device, the TV automatically changes the **ZOOM** mode according to the **WSS** signal.

• When the **AUTO** mode does not function correctly due to poor **WSS** signal quality or when you want to change the **ZOOM** mode, change to another **ZOOM** mode manually.

Full:

Whilst displaying a picture 1080i format in AV3 or AV5 input, the full mode can be switched further between Full1 and Full2 with left and right buttons on the remote control.

By selecting Full2, you can see the whole

image of 1080i format on the screen display from the input terminals.

Depending on the input signal or connecting device, the screen display has unneccessary blanking or noise at the edges.

Considering the case, the default settings is Full1 which enlarges the vertical size not to display the blanking and noise.
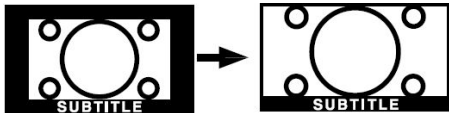
16:9 Zoom:

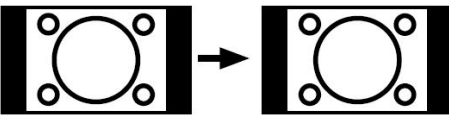This zooms up the wide picture (16:9 aspect ratio) to the full screen.
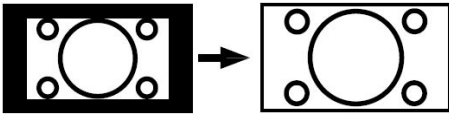
16:9 Subtitle:

This zooms up the wide picture (16:9 aspect ratio) with subtitles to the full screen.
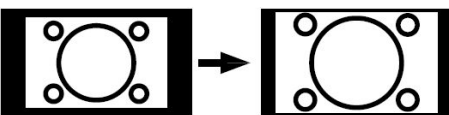

"Default Zoom" Modes:

4:3

Use to view a normal picture (4:3 aspect ratio) as this is its original shape.

14:9 Zoom:

This zooms up the wide picture (14:9 aspect ratio) to the upper and lower limits of the screen.

Panoramic:

This stretches the left and right sides of a normal picture (4:3 aspect ratio) to fill the screen, without making the picture appear unnatural.
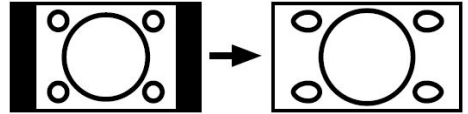
The top and bottom of the picture are slightly cut off.

Teletext

Teletext is an information system that displays text on your TV screen. Using the Teletext information system you can view a page of information on a subject that is available in the list of contents (index).

To Operate Teletext

• Select a TV station where Teletext is being transmitted.

• Press the ⊟ button. Usually the list of contents (index) is displayed on the screen.
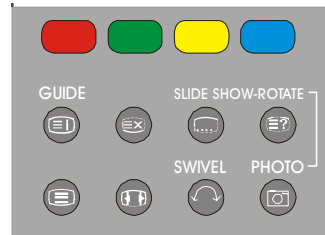
To Select A Page Of Teletext

• Press the appropriate digit buttons for the required Teletext page number.

The selected page number is displayed in the top left corner of the screen. The Teletext page counter searches until the selected page number is located, the desired page is then displayed on the screen.

• Press the ▲ button to move the Teletext screen forward one page at a time.

• Press the ▼ button to move the Teletext screen backward one page at a time.

To Select Index Page

• To select the page number of the index (generally page 100), press the ⊟ⅈ button.

To Select Teletext With A TV Programme

• Press the RED button. The text is now superimposed over the programme on the screen.

• Press the ☰ button again to return to the Teletext page.

To Reveal "Concealed" Information

• Pressing the ⊟? button once will reveal answers on a quiz or games page.

• Pressing the ⊟? button again will conceal the revealed answers.

To Select A Subcode Page

Subcode pages are subsections of long Teletext pages that can only be displayed on the screen one section at a time.

• Select the required Teletext page.

• Select the required subcode page number by pressing four digit buttons (e.g. 0001).

• If the selected subcode page is not displayed in a short time, press the ⊟ⅹ button. TV programme will be displayed on the screen.

• Teletext page number will be displayed on the upper left corner of the screen when the selected page is found.

• Press the ⊟ⅹ button to display the selected Teletext page.

To Exit Teletext

• Press the ☰ button. The screen will switch to TV mode.

To Display The Time

• While watching a TV programme with Teletext transmission press the ⊟ⅹ button. The current time information, captured from Teletext will be displayed on the screen.

• If the programme being watched does not have Teletext transmission, no information will be displayed.

Fastext

Your TV supports the 1000 page Teletext system. When the page number of any of the 1000 pages in memory is entered, the system will not search for the requested page; instead it will display the page automatically. If the requested page is not in memory, the system will search for the requested page number and save the 1000 pages including the requested page into memory after finding it.

• Press the ▲ button to move the Teletext screen forward one page at a time.

• Press the ▼ button to move the Teletext screen backward one page at a time.

For Fastext

The subject-heading for the information may have a particular colour.

• Press an appropriate **RED**, **GREEN**, **YELLOW** or **BLUE** button in order to reach the relevant page quickly.

For TOP text

TOP text mode of operation will be activated automatically according to the transmission.

• If TOP text transmission is present, colour coded buttons will appear in status row.

• If TOP text transmission is not present, status row will not appear.

The subject-heading for information may be located in coloured box.

In Top mode the ▲ or ▼ commands will request the next or previous page respectively. If TOP text transmission is not available, in case of operation of these commands, wraparound occurs. For example page 100 appears to be one greater than page 199.

Connect Peripheral Equipment

There is a wide range of audio and video equipment that can be connected to your TV.

The following connection diagrams show you where the different (Optional) equipment should be connected at the rear side of the TV.

High Definition

Your Hitachi Plasma Television is capable of displaying High Definition pictures from devices such as a High Definition Satellite Receiver or DVD Player. These devices must be connected via the HDMI socket (AV-5) or Component Socket (AV-3). These sockets can accept either 720p or 1080i signals.

Via The Scart

Plasma TV has 2 Scart sockets. If you want to connect peripherals (e.g. video, decoder, etc.) which have Scart sockets to the TV, use SCART 1, SCART 2 inputs.

If an external device is connected via the Scart sockets, the TV will be switched to AV mode automatically.

Via Aerial Input

If you want to connect to your TV, peripherals like video recorders or decoders, but the device you want to connect does not have a Scart socket, you should connect it to the Aerial input of the TV.

If the VCR is connected via Aerial input it is suggested to use Programme 0.

Decoder

Cable TV offers you a wide choice of programs. Most of them are free, others are to be paid for by the viewer. This means that you will need to subscribe to the broadcasting organisation whose programmes you wish to receive. This organisation will supply you a corresponding decoder unit to allow the programmes to be unscrambled.

For further information ask your dealer. See also the booklet supplied with your decoder.

Connect a decoder with an aerial socket to the TV

• Connect the aerial cable.

Connect a decoder without an aerial socket to the TV

• Connect the decoder to the TV with a Scart cable to **SCART 1**.

TV And Video Recorder

• Connect the aerial cables.

Better picture quality can be obtained if you also connect a Scart cable to **SCART** sockets.

Playback NTSC

To use this option you can;

• Connect an NTSC VCR player to a Scart socket at the rear side of the TV.

• Connect an NTSC VCR player to RCA Jacks at the rear side of the TV.

Copy Facility

Source selection for **VCR** recording.

• Select **Feature** menu.

• Select **Av-2 Out** by pressing ◀ / ▶ button.

• Select a source to copy the picture from that source.

Search For And Store The Test Signal Of The Video Recorder

• Unplug the aerial cable from the aerial socket of your video recorder.

• Switch on your TV and put the video recorder on the test signal. (See the booklet for your video recorder.)

• Enter the **Install** menu and select **search**.

• Search for the test signal of your video recorder in the same way as you searched for and stored the TV signals. Store the test signal under programme number 0.

– Replace the aerial cable in the aerial socket of your video recorder once you have stored the test signal.

Camera And Camcorder

To Connect To AV Input

Connect your camera or camcorder to AV (AV-4) input at the rear side of the TV.

• Connect your equipment to the TV via **VIDEO** (yellow), **AUDIO R** (red) and **AUDIO L** (white) inputs. You must connect the jacks to the input using the same colour.

To Connect To S-VHS Input

Connect your camera or camcorder S-VHS input at the rear side of the TV.

• Connect your equipment to the TV via S-VHS input and audio inputs of AV inputs by using S-VHS cables.

Connect The Decoder To The Video Recorder

Some video recorders have a special Scart socket for decoder.

• Connect a Scart cable to the Scart socket of your decoder and to the special Scart socket of your video recorder. Refer to the booklet of your video recorder.

• To connect your video recorder to the TV, refer to the TV and Video Recorder section.

If you want to connect more equipment to your TV, consult your dealer.

Connecting Headphones

Use the stereo headphone socket at the rear side of the TV, to connect headphones.

Connecting Subwoofer

Use **Subwoofer Out** socket to connect an external, active subwoofer to the set to give a much deeper bass effect.

Aerial Connection

Outdoor Aerial Connection

Round 75 ohm coaxial cable

75Ω

VHF/UHF

Rear of TV
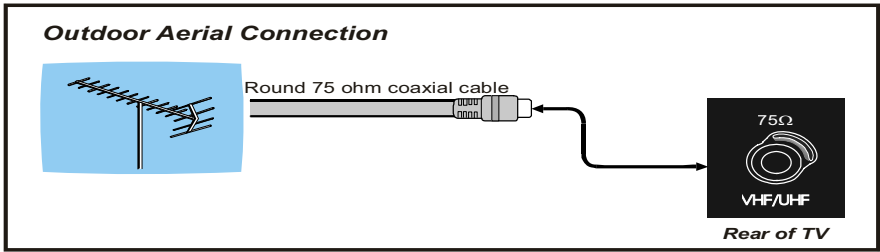
Connect Peripheral Equipment

either connect the aerial straight to your TV...

Rear view

Scart 1   Scart 2

wall socket

Aerial (RF) Lead

Aerial (RF) Socket

...or connect the aerial through a VCR...

Aerial (RF) Socket

Scart 1   Scart 2

(RF) connector lead VCR to TV

Aerial (RF) Socket VCR

Optional Scart Lead TV to VCR

Aerial (RF) Lead

wall socket

AV-1

VCR

- It is recommended that a scart lead should be fitted between your TV and VCR to enhance your picture and sound quality. Scart leads are essential if you have a stereo TV and VCR and wish to obtain stereo sound from your equipment. These leads can be purchased from your Hitachi dealer or any good High Street electrical retailer.

...or through a VCR and satellite decoder.

PLASMA TV

RF Lead from VCR to TV

- Scart Lead to AV-1 on TV.

RF Lead from Satellite to VCR

Aerial

RF Lead to Aerial

Satellite LNB lead

AV-1

AV-2

VCR

...or through a satellite decoder...

PLASMA TV

Aerial

RF Lead from Satellite to TV

- Scart Lead to EXT-1 on TV.

RF Lead to Aerial

headphone connection

Video Input
S-VHS Input
Audio Inputs
Headphone

camcorder connection

Headphone

OUT

DC Input

A/V Input / Output

MIC

- 31 -
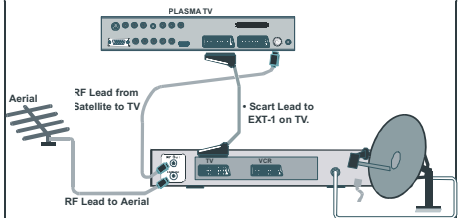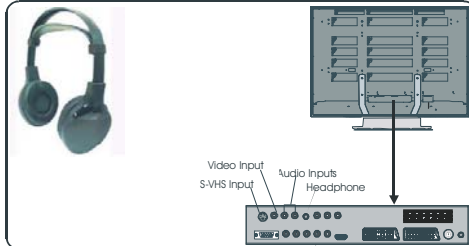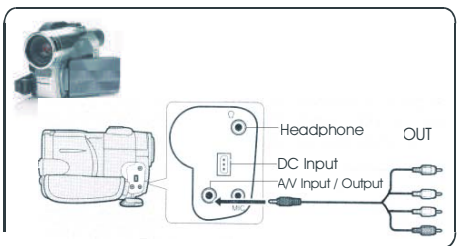
Care Of The Screen

Clean the screen with a slightly damp, soft cloth. Do not use abrasive solvents as they may damage the TV screen coating layer.

Poor Picture

Have you selected the correct TV system? Is your TV set or house aerial located too close to non-earthed audio equipment or neon lights, etc.?

Mountains or high buildings can cause double pictures or ghost images. Sometimes you can improve the picture quality by changing the direction of the aerial.

Is the picture or Teletext unrecognisable? Check if you have entered the correct frequency.

The picture quality may degrade when two peripherals are connected to the TV at the same time. In such a case, disconnect one of the peripherals.

No Picture

Is the aerial connected properly? Are the plugs connected tightly to the aerial socket? Is the aerial cable damaged? Are suitable plugs used to connect the aerial? If you are in doubt, consult your dealer.

No Picture means that your TV is not receiving any transmission. Have you pressed the correct buttons on the remote control? Try once more.

Sound

You can not hear any sound. Did you perhaps interrupt the sound, pressing the ⬡ button?

Sound is coming from only one of the speakers. Is the balance set to one direction extreme? See **Sound** menu.

Remote Control

Your TV no longer responds to the remote control. Perhaps the batteries are exhausted. If so you can still use the local buttons at the bottom of the TV.

Have you selected the wrong menu? Press the ⬛ button to return to TV mode or press the ⬡ button to return to the previous menu.

No solution:

Switch your TV set off and on. If this does not work, call the service personnel; never attempt to repair it yourself.

Information for users applicable in European Union countries

This symbol on the product or on its packaging means that your electrical and electronic equipment should be disposed at the end of life separately from your household wastes. There are separate collection systems for recycling in EU.

For more information, please contact the local authority or the dealer where you purchased the product.

Specifications

TV BROADCASTING
PAL/SECAM B/G D/K K' I/I' L/L'

RECEIVING CHANNELS
VHF (BAND I/III)
UHF (BAND U)
HYPERBAND
CABLE TV (S1-S20/ S21-S41)

NUMBER OF PRESET CHANNELS   100

CHANNEL INDICATOR
On Screen Display

RF AERIAL INPUT
75 Ohm (unbalanced)

OPERATING VOLTAGE
220-240V AC, 50 Hz.

AUDIO
3-DS

AUDIO OUTPUT POWER ($W_{RMS.}$) (%10 THD)
2 x 10

POWER CONSUMPTION (W) (max.)
325 W
< 3 W (Stand-by)

PANEL
 42" (106 cm visible) Screen Size

DIMENSIONS (mm)

DIMENSIONS (mm)			
D	L	H	Weight (kg) (without stand)
300	1045	785	36

ISO 13406-2 Pixel fault class: Class II

DTT Specifications

MHEG-5 ENGINE compliant with ISO / IEC 13522-5

UKengine Profile1

Object carousel support compliant with ISO/IEC 135818-6 and UK DTT profile.

Frequency range
474 - 850 MHz

Signal level
-82.3dBm

Transmission standards
DVB-T, MPEG-2

Demodulation
COFDM with 2K/8K FFT mode

FEC
all DVB-T modes

Video
MP@ML, PAL, 4:3/16:9

Audio
MPEG Layer I&II 32/44.148kHz

Appendix A: PC Input Typical Display Modes

The display has a maximum resolution of 1280x 1024, vertical sync. frequency range of 56-85 Hz and a horizontal sync. frequency range of 30-69 KHz.

The following table is an illustration of some of the typical video display modes.

Mode	Resolution		Frequency	
	Horizontal	Vertical	Hor. (kHz)	Ver. (Hz)
1	640	400	31.5	70
2	640	480	31.5	60
3*	848	480	31.0	60
4	640	480	37.9	72
5	640	480	37.5	75
6	640	480	43.3	85
7	800	600	35.2	56
8	800	600	37.9	60
9	800	600	48.1	72
10	800	600	46.9	75
11	800	600	53.7	85
12	1024	768	48.4	60
13	1024	768	56.5	70
14	1024	768	60.0	75
15	1024	768	68.7	85
16	1152	864	67.5	75
17	1280	1024	64.0	60
18*	1280	768	47.8	60
19*	1280	768	56.1	70

* Only available in Full and PAP modes, not in 4:3 mode.

Appendix B: DVD Player Selection

You can use this remote control to operate the selected brand of DVD player by pressing the following buttons on the remote control simultaneously.

Brands of DVD Player	Press	Brands of DVD Player	Press
Hitachi	INFO ①	RCA	INFO ⑨
Pioneer	INFO ②	Mitsubishi	INFO ⓪
Panasonic	INFO ③	Onkyo	INFO INDEX
Toshiba	INFO ④	Zenith	INFO MIX
Philips	INFO ⑤	Orion	INFO SUB PAGE
JVC	INFO ⑥	Shinco	INFO UPDATE
Samsung	INFO ⑦	Skyworth	INFO REVEAL
Sony	INFO ⑧	Bubuko	INFO TV/TEXT

Example

To operate HITACHI DVD player, press and hold the INFO button, followed by the "1" button.

Note: Not all models of the listed brands can be operated using this remote control.

Note: Slide Show, Photo, Swivel and Rotate buttons have no function.

MAIN → PIP,PAP ↓	TUNER	AV-1 CVBS	AV-1 RGB	AV-2 CVBS	AV-2 RGB	DTV	AV4 YPbPr	AV5 CVBS	AV5 SVHS	AV6 HDMI	PC
TUNER	O	O	O	O	O	O	O	O	O		O
AV-1 CVBS	O	O	O	O	O	O	O	O	O		O
AV-1 RGB	O	X	X	O	O	O	O	O	O	NO PIP&PAP AVAILABLE IF MAIN IS	O
AV-2 CVBS	O	O	O	O	O	O	O	O	O		
AV-2 RGB	O	O	O	X	X	O	O	O	O		O
DTV	O	O	O	O	O	O	O	O	O		O
AV-4 (YPbPr)	X	X	X	X	X	X	X	X	X		X
AV-5 CVBS	O	O	O	O	O	O	O	O	O		O
AV-5 SVHS	O	O	O	O	O	O	O	O	O		O
AV 6 (HDMI)	X	X	X	X	X	X	X	X	X		X
PC	X	X	X	X	X	X	X	X	X		X

(X: Not available, O: Available)

Your Guarantee of Excellence

Thank you for purchasing this Hitachi Television.

In the unlikely event that this product should develop a fault, we undertake to replace or repair any part of the product which fails due to a manufacturing defect within 12 months of the date of purchase provided that:

i) The product has been installed and used only in accordance with the instructions supplied with the product

ii) The product has not been repaired, maintained, or modified by any person other than an Hitachi authorised engineer

iii) The product serial number has not been removed or altered

This guarantee does not apply to product acquired second hand or for commercial or communal use

This guarantee does not cover the replacement of exhausted batteries, the adjustment of user controls, or aerial alignment.

Any parts replaced under this guarantee shall become the property of Hitachi Europe Ltd.

Please note that evidence of the date of purchase will be required before any service under this guarantee is carried out.
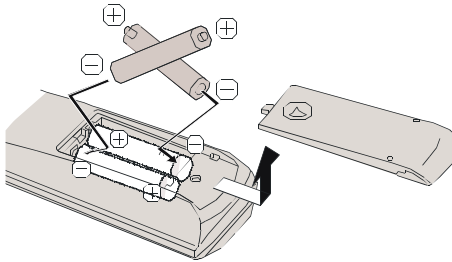
THIS GUARANTEE DOES NOT AFFECT YOUR STATUTORY RIGHTS.

IN ALL CASES OF DIFFICULTY PLEASE CONSULT YOUR HITACHI DEALER

HITACHI

! IMPORTANT - If placing TV into cabinet or alcove, ensure there is at least a 100mm (10cm) gap to the sides, rear and top of the TV. This is to allow for adequate ventilation during operation. Please read the main Users Guide for more safety information before installation.
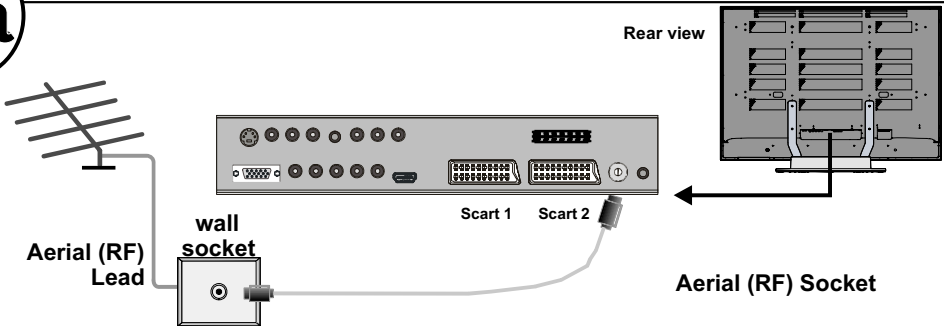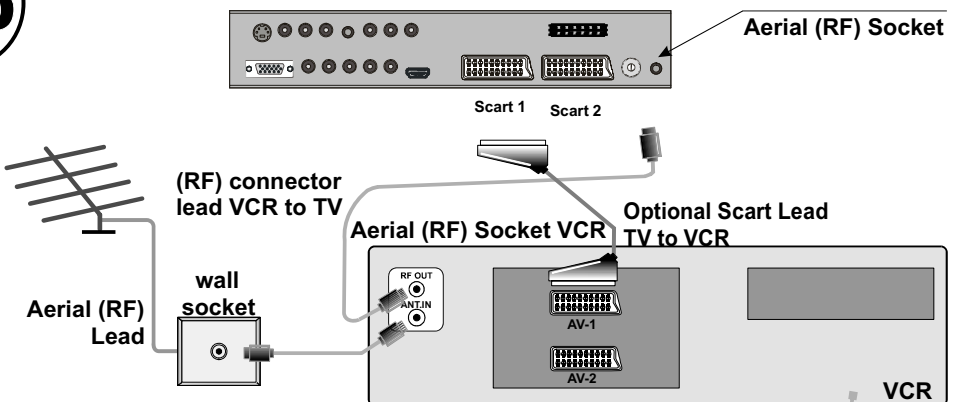
1 insert the batteries into your handset

2a either connect the aerial straight to your TV...

Rear view
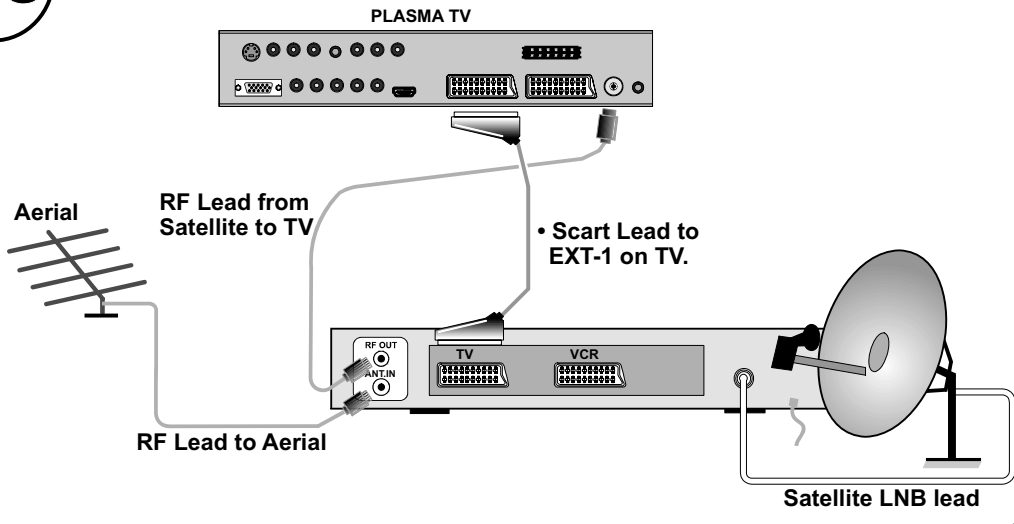
Scart 1   **Scart 2**

wall socket

Aerial (RF) Lead

Aerial (RF) Socket

2b ...or connect the aerial through a VCR...

Aerial (RF) Socket

Scart 1   **Scart 2**

(RF) connector lead VCR to TV

Optional Scart Lead TV to VCR

Aerial (RF) Socket VCR

wall socket

Aerial (RF) Lead

RF OUT
ANT.IN

AV-1

AV-2

VCR

• It is recommended that a scart lead should be fitted between your TV and VCR to enhance your picture and sound quality. Scart leads are essential if you have a stereo TV and VCR and wish to obtain stereo sound from your equipment. These leads can be purchased from your Hitachi dealer or any good High Street electrical retailer.
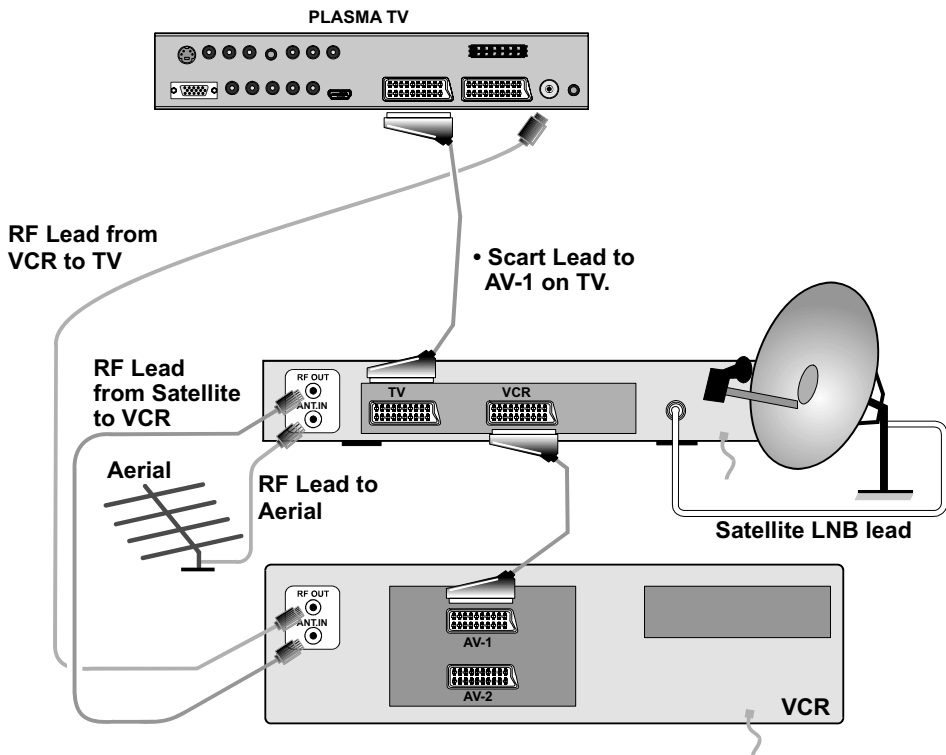
PLASMA TV

Aerial

RF Lead from Satellite to TV

• Scart Lead to EXT-1 on TV.

RF OUT
ANT.IN
TV   **VCR**

RF Lead to Aerial

Satellite LNB lead

PLASMA TV

RF Lead from VCR to TV

• Scart Lead to AV-1 on TV.

RF Lead from Satellite to VCR

RF OUT
ANT.IN
TV   **VCR**

Aerial

RF Lead to Aerial

Satellite LNB lead

RF OUT
ANT.IN

AV-1

AV-2

VCR

③ connect the TV plug to the mains socket

Power Cord Input   **Power on/off button**

Plug the mains lead into the TV...

UK plug

insert plug...   ...and switch on

European plug

insert plug...
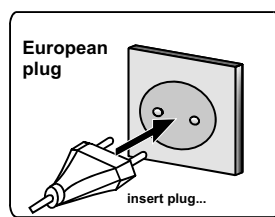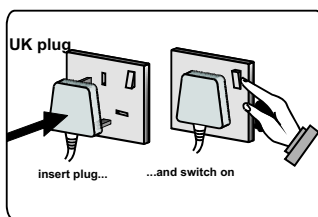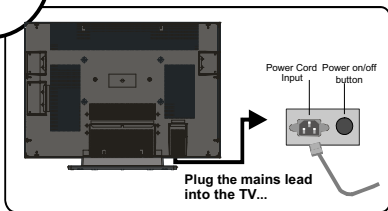
④ switch your TV on by pressing the On/Off button

Front View
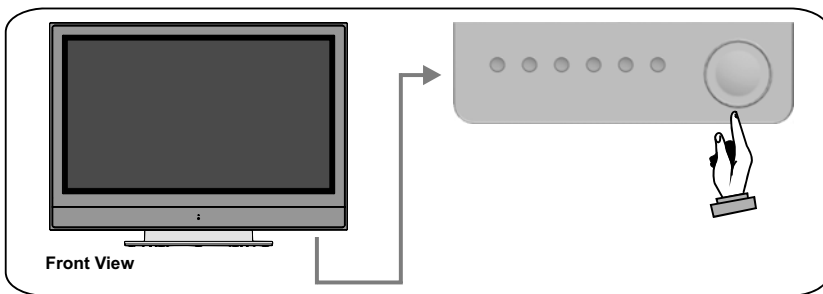
NB: When the set is first switched on, the set will be in standby and the indicator on the front of the set will illuminate red. Press the channel up down (P- , P+) or numeric buttons (1, 2, 3, ...) to operate.

basic functions of remote control

To enter the main menu ——

To return to previous menu

Volume Up/Down* ——

Programme Up/Down*

To select a programme number.
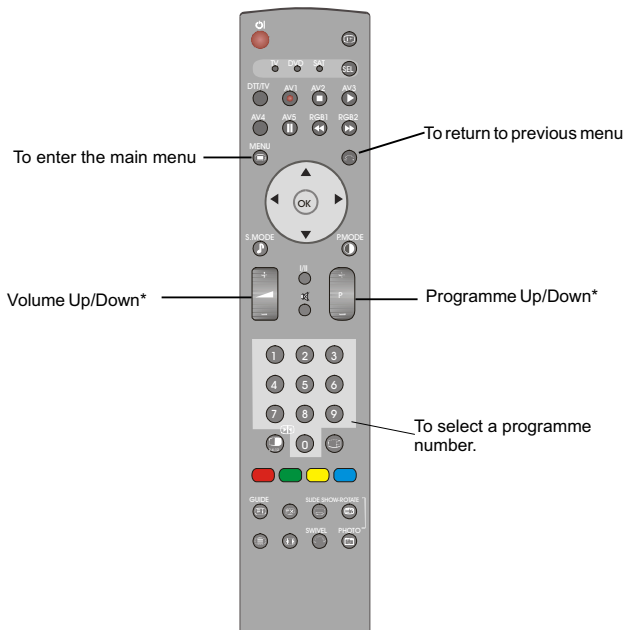
*Also used for navigation in menus

important note before starting Auto Setup

If you have a Video Cassette Recorder or a Satellite receiver connected to your TV please ensure that they are switched on before automatic tuning begins. In the case of a VCR, insert a pre-recorded tape and begin playback of your equipment. These measures ensure that all your external equipment is tuned in during the Auto Setup procedure.
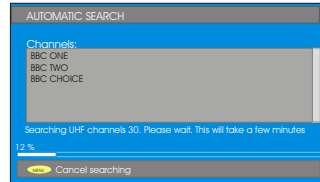
5   start A.P.S. (Auto Programming System)

1 When the TV is turned on for the first time, it is in the digital mode. Because this is the first time the TV is used, there are no channels stored in the memory and the message shown at right side appears on the screen.

Please ensure aerial is plugged in. Do you want to start first time installation?
Yes   No

2 To start installation process, press Yes. To cancel searching, you can press the "◼" button at any time during the process.

AUTOMATIC SEARCH

Channels:
BBC ONE
BBC TWO
BBC CHOICE

Searching UHF channels 30. Please wait. This will take a few minutes

12 %

Cancel searching

3 After Automatic Search process is completed, a message asking for analogue channel search appears on the screen. TV switches to the analogue TV mode.
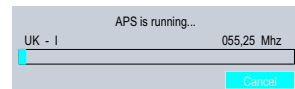
Do you want to search for analogue channels?
Yes   No

4 First of all choose **Language** and **Country** by using ▲ / ▼ and ◀ / ▶ buttons. This will affect the sort process in APS. To start APS, press the RED or "**OK**" button.

PROGRAM
⬥ Country   UK

WARNING !
All prestored programs
will be deleted

OK   Cancel
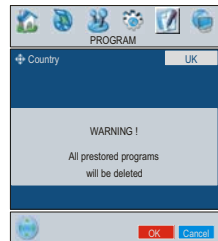
5 Press the ◼ button when search is completed.

APS is running...
UK - I   055,25 Mhz

Cancel

important note.

Once the TV has found all your local stations, they are then automatically assigned a programme number and name, if available from the broadcast.

If you would like to change the programme number or order, please refer to the Program Menu section of the instruction book.

HITACHI
Inspire the Next

Hitachi Ltd.
Consumer Business Group
Shin-Otemachi Bldg 5f, 2-1, Otemachi 2-Chome,
Chiyoda-Ku, Tokyo 100-0004 Japan

HITACHI EUROPE LTD.
Consumer Affairs Department
PO Box 3007
Maidenhead
Berkshire SL6 8ZE
UNITED KINGDOM
Tel: 0870 405 4405
Email: consumer.mail@hitachi-eu.com

HITACHI EUROPE GmbH
Munich Office
Dornacher Strasse 3
D-85622 Feldkirchen bei München
GERMANY
Tel: 089-991 80 - 0
Fax: 089 - 991 80 - 224
Hotline: 0180 - 551 25 51 (12ct/min.)
Email: dmg-mun.service@hitachi-eu.com

HITACHI EUROPE S.r.l.
Via T. Gulli n.39
20147 MILAN
ITALY
Tel: 02 487861
Fax: 02 48786381
Servizio Clienti
Tel. 02 38073415
Email: customerservice.italy@hitachi-eu.com

HITACHI EUROPE S.A.S
Lyon Office
Digital Media Group
94 Quai Charles de Gaulles, 69006 Lyon
FRANCE
Tel: 04 72 14 29 70
Fax: 04 72 14 29 99
Email: france.consommateur@hitachi-eu.com

HITACHI EUROPE LTD.
Benelux Branche Office
Bergensesteenweg 421
1600 Sint-Pieters-Leeuw
BELGIUM
Tel: 0032/2 363 99 01
Fax: 0032/2 363 99 00
Email : info@hitachi.be

HITACHI EUROPE LTD.
Kodanska 46
101 00 Praha 10
CZECH REPUBLIC
Tel: 234 064 512
Fax: 234 064 213
Email: dmg.eeu@hitachi-eu.com

HITACHI EUROPE S.A.
364, Kifissias Ave. & 1, Delfon Str.
152 33 Chalandri
Athens
GREECE
Tel: 1 - 6837200
Fax: 1 - 6835694
Email: dmgservice.gr@hitachi-eu.com

HITACHI EUROPE S.A.
Gran Via Carles III, 86 Planta 5ª
Edificios Trade - Torre Este
08028 Barcelona
SPAIN
Tel: 93 409 2550
Fax: 93 491 3513
Email: atencion.cliente@hitachi-eu.com

HITACHI EUROPE AB
Box 77
S-164 94 KISTA
SWEDEN
Tel: 08 562 711 00
Fax: 08 562 711 11
Email: csgswe@hitachi-eu.com

HITACHI EUROPE AB
(Norway Branch Nuf)
Strandveien 18
1366 Lysaker
NORWAY
Tel: 67519030
Fax: 67519032
Email csgnor@hitachi-eu.com

HITACHI EUROPE AB
Egebækvej 98
2850 Nærum
DENMARK
Tel: 43 43 60 50
Fax: 43 43 60 51
Email : csgden@hitachi-eu.com

HITACHI EUROPE AB
Lars Sonckin kaari 16
FIN-02600 ESPOO
FINLAND
Tel: 010-8503085
Fax: 010-8503086
E-mail: info.finland@hitachi-eu.com

www.hitachidigitalmedia.com