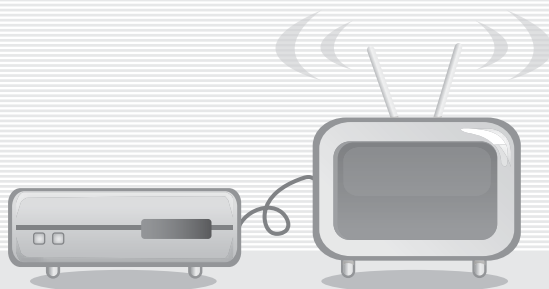

Digital Personal Video Recorder



The default Password is 0000.

User's Manual

PVR-9150T

*Please read this manual carefully before setting up
your Personal Video Recorder PVR-9150T.*

Notice



Thank you for purchasing a Humax PVR-9150T product.

Freeview Playback explained:

- **Accurate recording**

The start and end times of scheduled recordings will track the signal meaning the recording will start and stop at the times sent by the broadcasters. If a programme starts early or runs late the record time will automatically be adjusted to record the whole programme.

- **Series Link**

If a programme you wish to record is in a series, you can now record the whole series. If the programme changes to a different day or time the PVR-9150T will track these changes and still record the programme.

- **Alternate Instances**

If a scheduled recording(s) overlap with other programmes set to record you will be given the option to record one of the programmes later that, day or week, on the same channel or a different channel.

- **Split Recordings**

If a programme has two parts split by another entry in the Guide (e.g. a film divided in to two parts by a News programme) you will be given the option to set both parts to record.

Note: The above Freeview Playback features are available on channels where the correct and accurate data is being broadcast. Some channels may not support all services.



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Warranty

Trademarks

- ## Warnings, Cautions and Notes

- **Warning**

- **Caution**

- **Note**

Meaning of Symbols



Notice



Instruction about the 'WEEE' Symbol



This product should not be disposed with other household wastes at the end of its working life. Please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. This will prevent possible harm to the environment or human health from uncontrolled waste disposal.

- **Domestic users:** Please contact either the retailer where you purchased this product or their local government office for details of where and how they can take this item for environmentally safe recycling.
- **Business users:** Contact your supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

Important Notice

Before unpacking this product, you should check that you are in a Freeview Coverage area in one of the follow ways:

- Contact the Humax Customer Helpline on 0870 247 8800 (all calls charged at the national rate) for information on Freeview coverage in your area.
- Text your postcode to Freeview on 83331 (standard text rates apply). Freeview will reply with advice on whether you can receive Digital TV.
- Telephone Freeview on 08708 80 99 80 (all calls charged at National Rate). They will tell you whether you can receive Digital TV in your postcode area.
- Visit www.freeview.co.uk. You can enter your postcode for information on availability in your area.
- Telephone the shop where you bought this product. (The number is usually printed on the till receipt).

Note: To receive digital signals you may need to reposition or upgrade your existing roof aerial.

1. Due to the age or condition of your aerial and cabling you may not be able to receiver digital signals.
2. In your location the digital channels may be transmitted on a different frequency to your existing analogue signals and you may need a different type of aerial to receive them.
3. The new digital channels may be transmitted from a new transmitter, which means your aerial may need to be realigned. (Alternatively, you could add a second aerial to your system.)

For any further information contact the Humax Customer Helpline:

- **Tel:** 0870 247 8800
- **Email :** uksupport@humax-digital.co.uk
- **Open :** Lines open Monday to Friday 9:00am to 6:00pm (Excludes Bank Holidays)

Note: Calls charged at the national rate

Safety Warning



This product has been manufactured to comply with international safety standards. Please read the following safety precautions carefully.

Safety Instructions and Precautions

1. MAINS SUPPLY

90-250V a.c., 50/60Hz

- Operate this product only from the type of power supply indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your local power company.
- Disconnect the product from the mains before you start any maintenance or installation procedures.

2. OVERLOADING

- Do not overload a wall outlet, extension cord or adapter as this may result in electric fire or shock.

3. LIQUIDS

- The product should not be exposed to liquid of any kind. In addition, no objects filled with liquid should be placed on the apparatus.

4. CLEANING

- Disconnect the product from the wall outlet before cleaning.
- Use a light damp cloth (no solvents) to dust the product.

5. VENTILATION

- The slots on top of the product must be left uncovered to allow proper airflow into the unit.
- Do not stand the product on soft furnishings or carpets.
- Do not stack electronic equipments on top of the product.

6. ATTACHMENTS

- Do not use any unsupported attachments as these may be hazardous or cause damage to the product.

7. CONNECTION TO THE AERIAL

- Disconnect the product from the mains before connecting or disconnecting the cable from the aerial. Failure to do so can damage the aerial.

8. CONNECTION TO THE TV

- Disconnect the product from the mains before connecting or disconnecting the cable from the TV. Failure to do so can damage the TV.

9. LOCATION

- Place the product indoors to avoid exposing it to lightning, rain or sun.
- Do not place it near a radiator or heat register.
- We recommend that the product has 10 cm clearance from any other appliances susceptible to electromagnetic influences, such as a TV or a VCR.
- Do not block the openings with any object, and do not place the product on a bed, sofa, rug, or other similar surface.
- If you place the product on a rack or a bookcase, ensure that there is adequate ventilation and that you have followed the manufacturer's instructions for mounting.
- Do not place the product on an unstable cart, stand, tripod, bracket, or table where it can fall. A falling product can cause serious injury to a child or adult, and serious damage to the appliance.

10. LIGHTNING, STORM or NOT IN USE

- Unplug the product from the wall outlet and disconnect the antenna during a thunderstorm or when left unattended and unused for long periods of time. This will prevent damage to the unit due to lightning and power-surges.

Safety Warning



11. EXTRANEOUS OBJECTS

- Do not insert anything through the openings in the unit, where they can touch dangerous voltage points or damage parts.

12. REPLACEMENT of PARTS

- When replacement of parts is required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part. Unauthorized substitution may result in additional damage to the unit.

Warning

1. To avoid damage of the power cord or plug;

- Do not modify or process the power cord or plug arbitrarily.
- Do not bend or twist the power cord.
- Make sure to disconnect the power cord holding the plug.
- Keep heating appliances as far as possible from the power cord in order to prevent the cover vinyl from melting.
- The mains plug, as a disconnection device, shall remain readily accessible by the user.

2. To avoid electrical shock;

- Do not open the main body.
- Do not insert metal or inflammable objects inside the product.
- Do not touch the power plug with wet hands.
- Disconnect the power cord in case of lightning.

3. To avoid damage of product;

- Do not use the product when it is out of order. If you continue to use the product when defective, serious damage can be caused to it. Make sure to contact your local product distributor if the product is out of order.
- Do not insert metal or alien substance into the slots for the modules or Smartcards. It may cause damage to the product and reduce its life span.

4. Hard Disk Drive

- Do not move the product or turn the power off suddenly while the hard disk drive is running. The company shall not be liable for any corruption of data on the hard disk drive caused by the carelessness or misuse of users.

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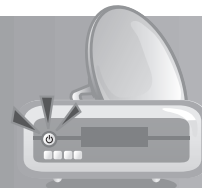
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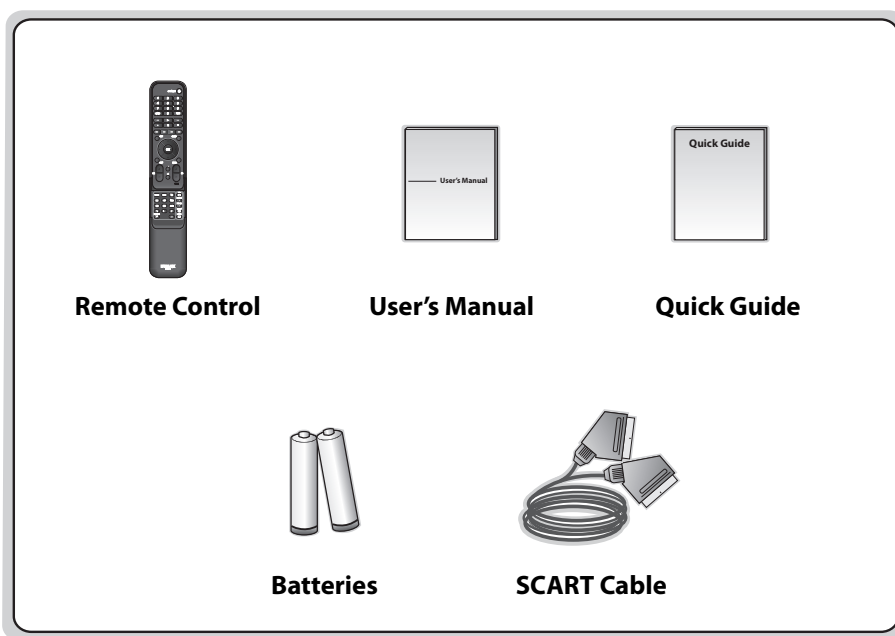
1. Before Using the Product



This chapter provides detail instructions on the product and its accessories.

1.1 Package Contents

Please check all package contents before using your product.



Note: Package contents may vary according to area.

Warning: The company shall not be liable for problems caused by changing hard disk drive by user.

1. Before Using the Product



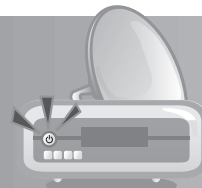
1.2 Front Panel



- 1. GUIDE**
Displays the programme guide.
- 2. STANDBY BUTTON**
Switches between operation and standby modes.
- 3. MENU**
Displays the main menu.
- 4. ARROW BUTTONS**
Changes the channel or moves the cursor up, down, left or right.
- 5. OK**
Selects a menu or confirms the selected operation.
- 6. TV/RADIO BUTTON**
Switches between TV and radio modes.
- 7. CH-/CH+ BUTTON**
Moves the TV/radio channel up or down.
- 8. RECORD BUTTON**
Records programme.
- 9. STOP BUTTON**
Stops recording or playback.
- 10. CI-MODULE SLOT**
A slot for a CI-Module

Note: The front of the product is subject to change without notice.

1. Before Using the Product



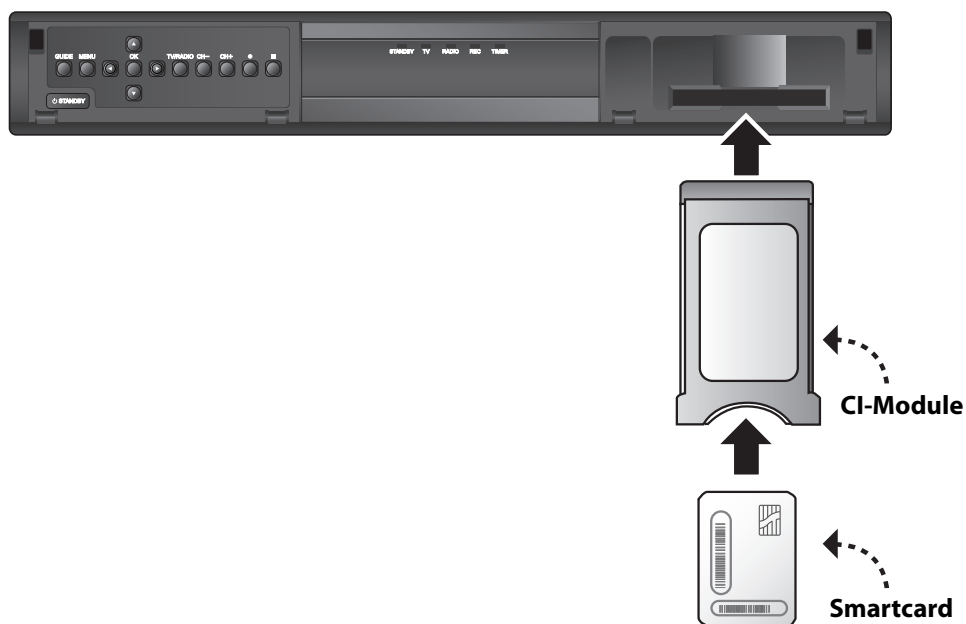
1.3 Conditional Access

Most TV and radio channels are free to air, however some TV and radio/music channels are available on a subscription basis and can only be enjoyed via a Conditional Access component. The Conditional Access component is a removable Smartcard.

1. Inserting a CI-Module (with Smartcard)

A CI-Module looks like a PC map (PCMCIA) for laptops. There are different kinds of CI-Modules, suitable for different coding systems; Irdeeto, Conax and more. Additionally to the CI-Module, a Smartcard is needed to decode the channels.

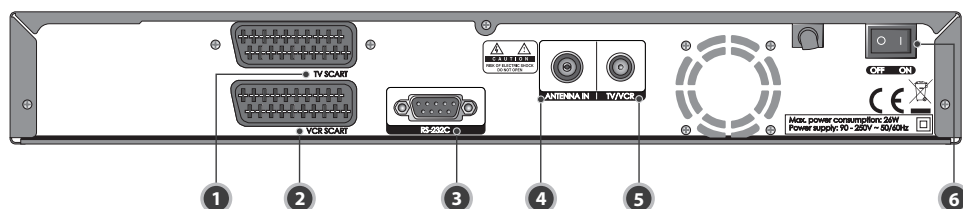
1. Open the right-hand flap on the front of the product.
2. Follow the instructions of the module and insert the Smartcard into the CI-Module.
3. Keep the CI-Module (with the Smartcard) horizontal.
4. Insert the CI-Module into the slot.



1. Before Using the Product



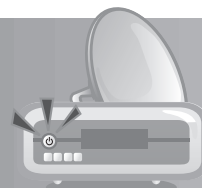
1.4 Rear Panel



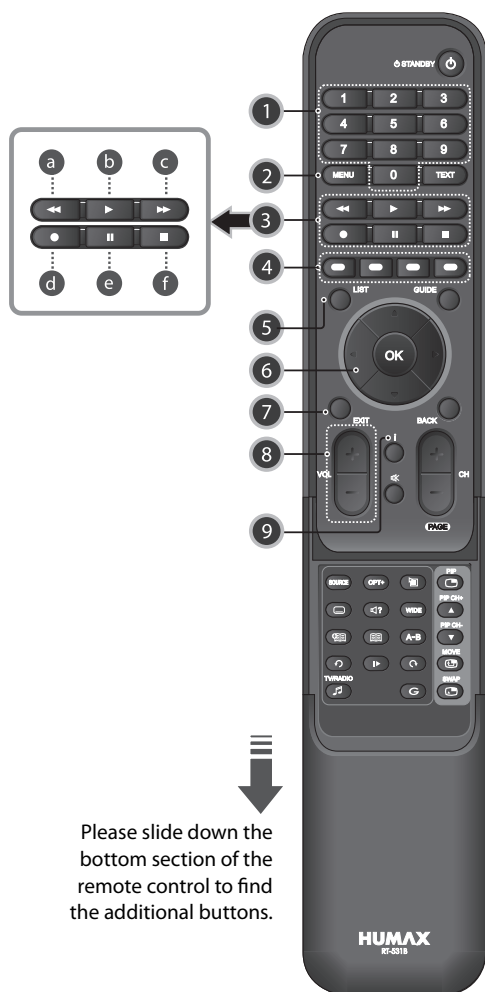
- 1. TV SCART**
Connects to the TV using a TV SCART cable
- 2. VCR SCART**
Connects to the VCR or DVD using a VCR SCART cable.
- 3. RS-232C**
Connects to the PC to update software.
- 4. ANTENNA IN**
Connects the aerial cable.
- 5. TV/VCR**
Connects to the RF IN of the TV or VCR using an RF cable.
- 6. ON/OFF**
Powers on/off.

Note: The rear of the product is subject to change without notice.

1. Before Using the Product



1.5 Remote Control



Please slide down the bottom section of the remote control to find the additional buttons.

1. NUMERIC(0-9) BUTTONS

Enters a TV/radio channel number or menu option number.

2. MENU

Displays the main menu.

3. PLAYBACK CONTROL BUTTONS

a. FAST REWIND

Rewinds at high speed. Each time you press this button the rewind speed is increased.

b. PLAY

Plays at normal speed or resumes.

c. FAST FORWARD

Fasts forward at high speed. Each time you press this button the fast forward speed is increased.

d. RECORD

Records programme.

e. PAUSE

Pauses the live programme or recording.

f. STOP

Stops a recording or goes to the live programme.

4. COLOUR BUTTONS

Selects colour keys for interactive/text channels.

5. LIST

Displays the channel list.

6. ARROW BUTTONS

Navigates through the menu options.

7. EXIT

Exits all On-Screen Display (OSD) screens.

8. VOL+/VOL-

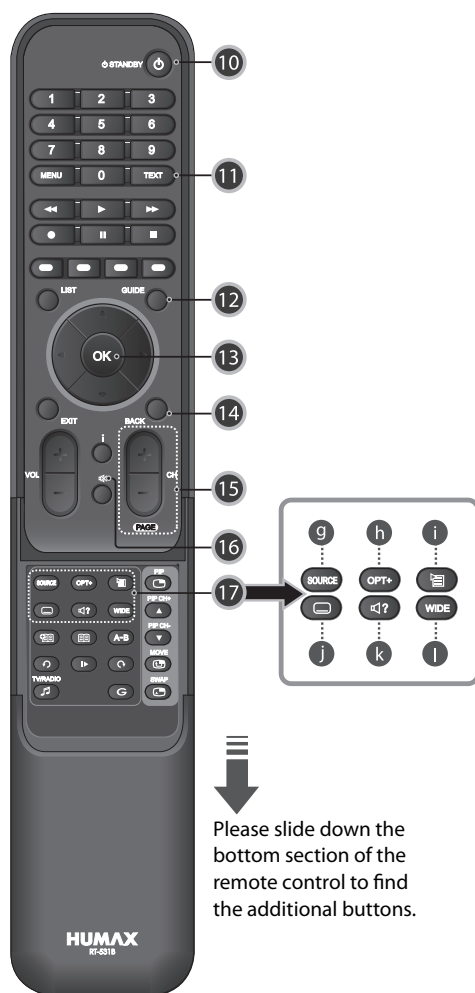
Adjusts the audio volume.

9. i (INFORMATION)

Displays the channel and programme information.

Note: The remote control is subject to change without notice.

1. Before Using the Product



10. **STANDBY**

Switches between operation and standby modes.

11. **TEXT**

Enters digital text service.

12. **GUIDE**

Displays the programme guide.

13. **OK**

Selects a menu or confirms the selected operation. Also, displays the channel list while watching a programme.

14. **BACK**

Closes and returns to the previous menu and screen.

15. **CH+ / CH- or PAGE+ / PAGE-**

Changes the channel or page.

16. **MUTE**

Mutes or unmutes the audio temporarily.

17. **Group 17**

g. SOURCE

Controls the input of TV.

h. OPT+

Displays the channel attributes while watching a programme.

i. PLAY LIST

Displays the recorded programme list.

j. SUBTITLE

Displays the subtitle language list.

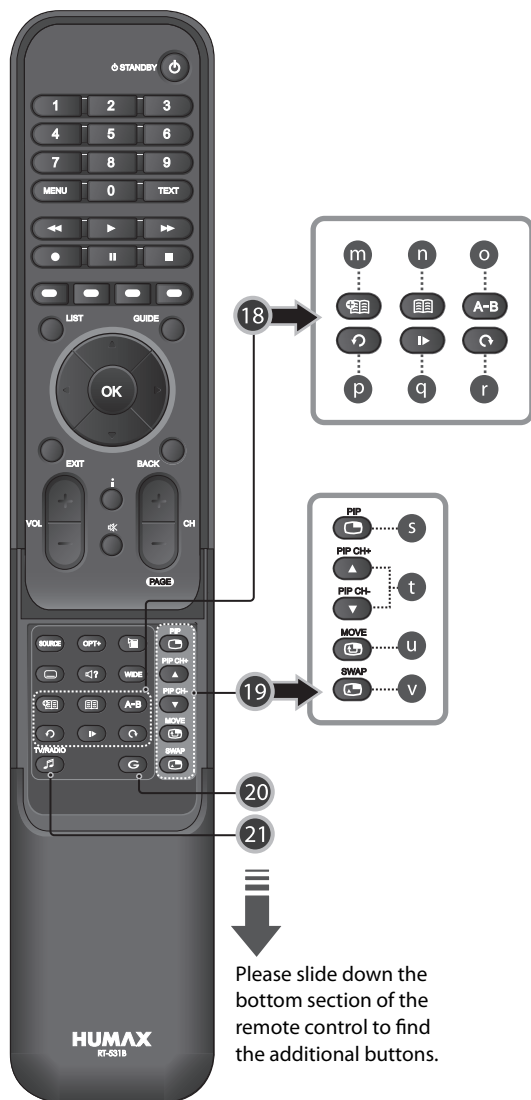
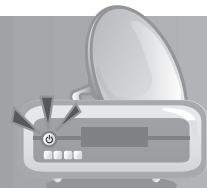
k. SOUNDTRACK

Displays the soundtrack list.

l. WIDE

Sets the display format.

1. Before Using the Product



Please slide down the bottom section of the remote control to find the additional buttons.

18. Group 18

m. ADD BOOKMARK

Saves the current viewing position as a bookmark.

n. BOOKMARK LIST

Displays the list of saved viewing positions.

o. A-B

Plays back a specified block repeatedly.

p. INSTANT REPLAY

Jumps back and plays from that location. (See section 5.6)

q. SLOW MOTION

Plays the programme in slow motion. Each time you press this button, speed is slowed progressively more.

r. COMMERCIAL SKIP

Jumps ahead in a recording. (See section 5.6)

19. PIP BUTTONS

s. PIP

Displays the PIP (Picture in Picture) screen.

t. PIP CH+/CH-

Changes the PIP channel.

u. MOVE PIP

Changes the position of the PIP screen.

v. SWAP PIP

Swaps the focus between the main and the PIP screen.

20. G (Game)

Displays the games.

21. TV/RADIO

Switches between TV and radio modes.

2. Setup



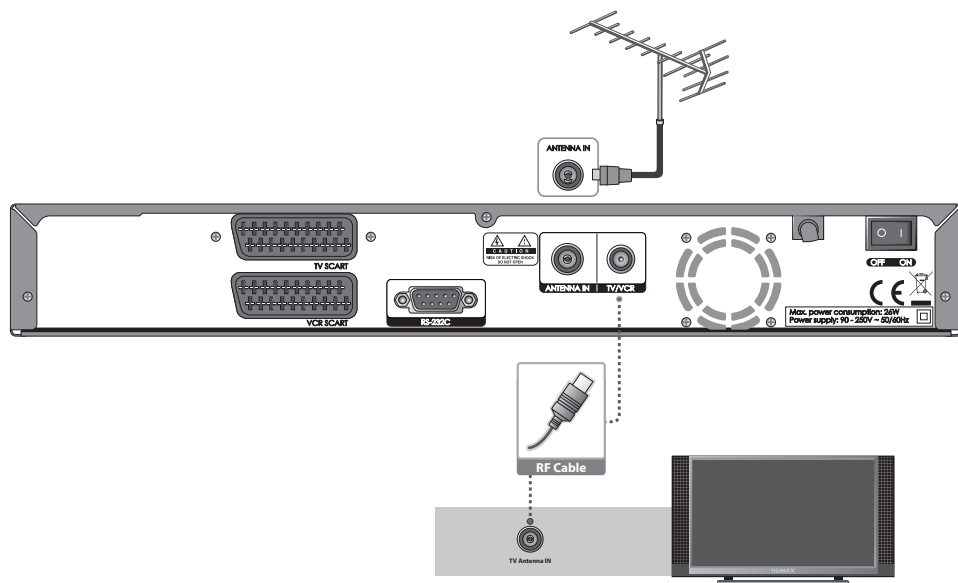
This chapter describes how to connect the product to the TV with the particular equipments for gaining optimum signal quality. The product provides various interfaces to connect to the TV, VCR or other devices. Select the most appropriate procedure depending on the equipment you have.

Note: If you encounter any problems setting up your product, please contact your local product distributor.

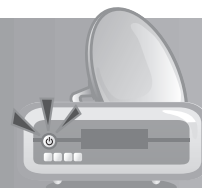
2.1 Connecting the Antenna

Connect your aerial to the ANTENNA IN.

Note: Connect the product and the TV using an RF cable to watch analogue channels.



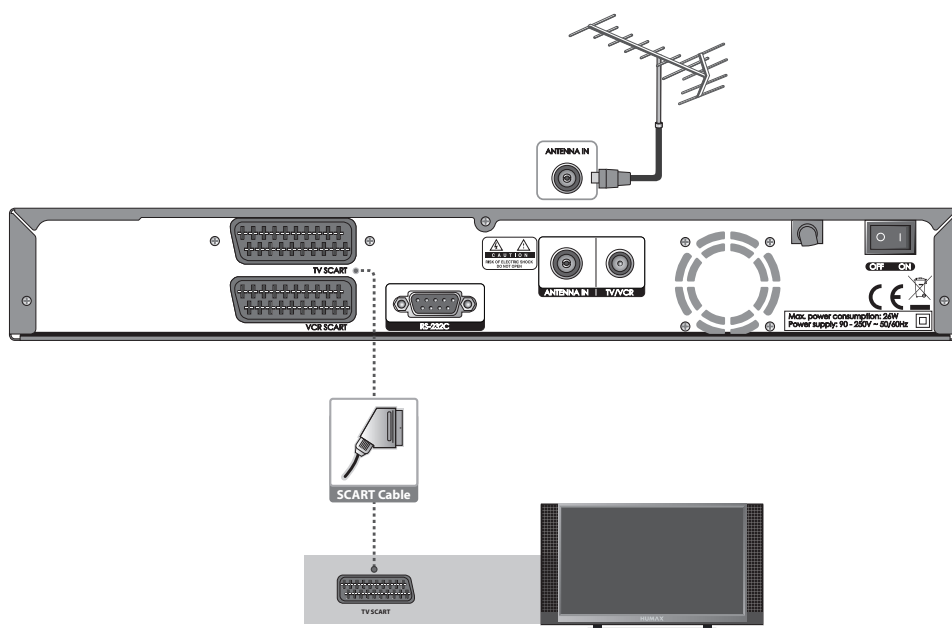
2. Setup



2.2 Connecting the TV

1. Using SCART Cable

Connect the product and the TV using a SCART cable.



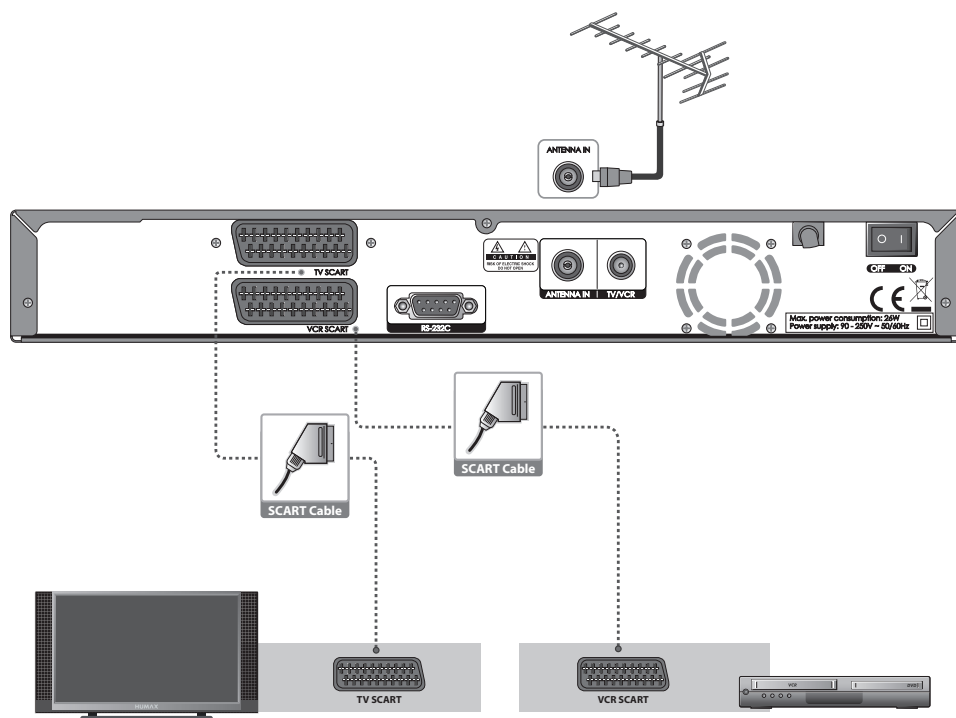
2. Setup



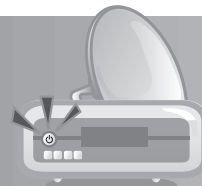
2.3 Connecting the TV and VCR

1. Using SCART Cable

Connect the product and the TV/VCR using a SCART cable.

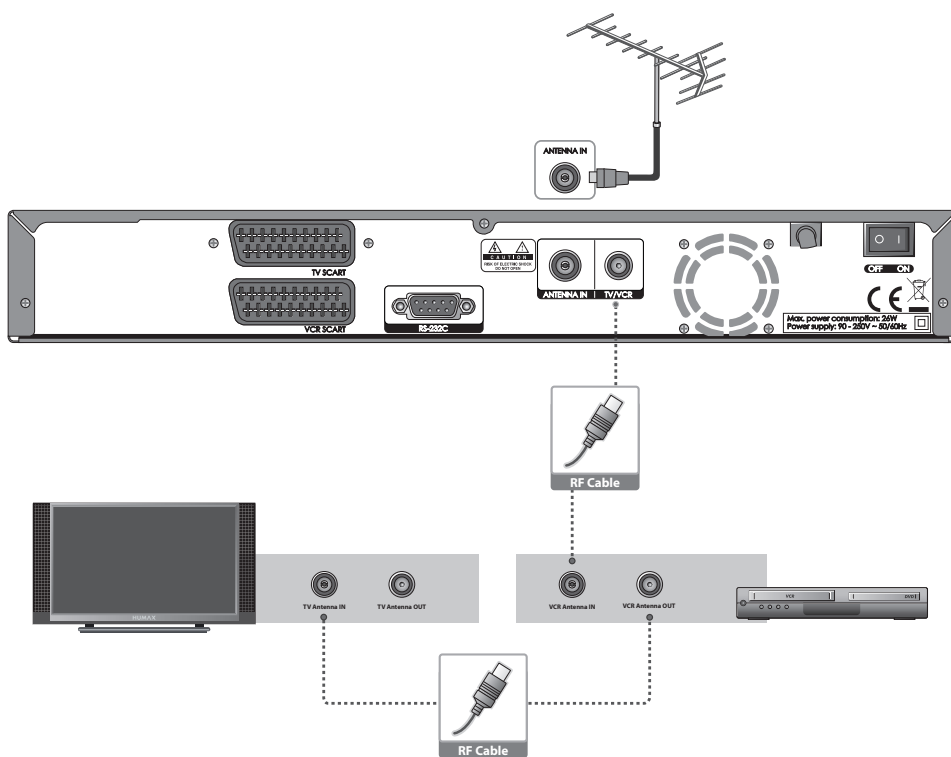


2. Setup



2. Using RF Cable

1. Connect the TV/VCR (LOOP OUT) of the product and the aerial input of the VCR using an RF cable.
2. Connect the aerial output of the VCR and the aerial input of the TV using an RF cable.

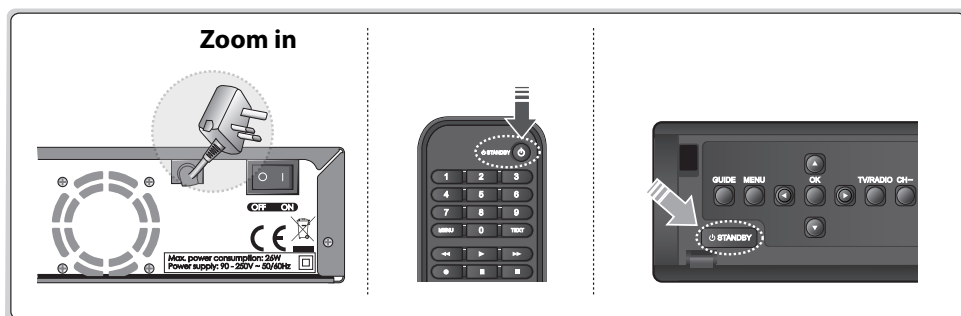


2. Setup



2.4 Powering On

1. Connect the power cord of the product to a wall outlet.
2. Turn on the power switch located at the back left of the product.
3. Power on by pressing the **STANDBY** button of the remote control or the **STANDBY** button at the front of the product.



3. Installation Wizard



This will guide you through the installation procedure to automatically search for the digital channels. (Installation wizard will also run after the product has been returned to default settings.)

3.1 Search

Please wait until the channel search is complete.

1. During the channel search, the cursor is located at **Stop**. Therefore, if you press the **OK** button during the search, the search will stop and the channels found until then will be displayed.
2. If the search does not find any channels, then press the **OK** button to access the installation menu to search for the channels again. Please make sure that you have connected your aerial correctly.
3. You can delete unwanted channels from the found channels. Select the channels to delete and press the **OK** button. Then select **Delete** and press the **OK** button. To delete all channels, select **Select All** to select all channels, select **Delete** and press the **OK** button.
4. After completing the channel search and deleting unwanted channels, select **Save** to save the changes.

Warning: If you exit the install wizard without fully completing the channel searching procedure, you may not have all of the channels available. In this case, you can use the installation menu to search for the channels.





4. Basic Operation

This chapter describes functions such as switching channel, volume control and basic features for watching programmes.

4.1 Switching Channel

You can switch the current channel using one of the following methods.

1. Press the **CH+/CH-** button.
2. Enter the channel number using the **NUMERIC(0-9)** buttons to move to the channel directly.
3. Press the **TV/RADIO** button to switch between TV channels and radio channels.

Note:

- You can switch channel using the channel list or programme guide.
- Please refer to **4.6 Channel List** and **Chapter 6. Programme Guide** for more information.

4.2 Volume Control

1. Press the **VOL+/VOL-** button to adjust the audio volume.
2. Press the **MUTE** button to stop the audio temporarily.

Note: The mute function remains set while you switch channels.



4.3 Text and Interactive Services

If your chosen channel has digital teletext features, you can access them. Teletext services often load automatically shortly after the digital teletext window is displayed. In which case, simply follow the on screen instructions(press color buttons).

1. Press the **TEXT** button to access digital teletext.
2. Press the **TEXT** button again to return to normal viewing.
3. Press the **CH+/CH-** button to exit this service.

Note: Interactive service(MHEG) is not available when subtitles are displayed.

4. Basic Operation



4.4 Programme Information (i-plate)

Programme information is always displayed for a certain period of time whenever you switch channels. You can view the programme information by pressing the **i** button while watching a programme. Press the **EXIT** button to hide the i-plate.



1. General Information

The general information is displayed on the screen as the following.

1. Channel number and name
2. Programme name
3. Detailed programme information: Displayed if detailed programme information is provided.
4. Current channel list icon
5. Current time
6. Icons



Displayed only when the programme is a split programme.



Displayed only when the programme is a series programme.



Displayed only if the programme is recording.



Displayed only if the programme is reserved.



Represents parental level. Indicates age classification level-**if supplied by the broadcaster**



Displayed only when the channel is a locked channel.



Displayed only when the channel is a scrambled (Pay TV channel) channel.



Displayed only when subtitle information is available.



Displayed when the channel supports teletext (MHEG).



Displayed when the channel supports data channel.

7. Next programme information: Displayed if next programme information is provided. Press the ► button to display the next programme information.
8. Programme broadcasting time and progress bar: Displays programme playing time and progress bar.

Note: If there is no programme information available, programme information is not displayed.

4. Basic Operation

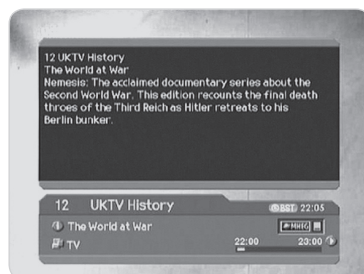


2. Detailed Programme Information.

You can see detailed information about the current programme. Press the **i** button when the i-plate is displayed to view detailed information.

Note:

- Press the **i** button again to hide the information box.
- If the detail information is more than one page, use the **▲/▼** button to move to the previous/next page.



4.5 Option List

You can view and confirm detailed information about the current channel and change the information if necessary.

1. Adding a Channel to Favourite Group

You can add the current channel to favourite group immediately. Also, you can add channels to favourite groups.

1. Press the **OPT+** button.
2. Select **Favourite** using the **▲/▼** button and press the **OK** or **►** button.
3. Select favourite group using the **▲/▼** button and press the **OK** button to register for favourite group.
4. Press the **OK** button again on the selected favourite group to release the registered channel.
5. Move to the parent menu using the **◀** button to save the changes automatically.



Note: For detailed information about how to change favourite group name and how to register favourite channels from the complete channel list, please refer to **4.6 Channel List**.

4. Basic Operation



2. Subtitle

If the current programme provides subtitle information, you can select the language for the subtitle.

1. Press the **OPT+** button.
2. Select **Subtitle** using the **▲/▼** button and press the **OK** or **►** button.
3. Select the subtitle language using the **▲/▼** button and press the **OK** button. The subtitles will be displayed at the bottom of the screen.
4. Select **Off** from the subtitle menu to switch the subtitles off.

Note:

- You also can change the subtitle by pressing the **SUBTITLE** button on the remote control.
- You can select a default subtitle language in **MENU-Preferences-Language Setting-Subtitle Language**.



3. Soundtrack

If the current programme is available in multiple audio languages, you can select the language that you wish to listen to.

1. Press the **OPT+** button.
2. Select **Soundtrack** using the **▲/▼** button and press the **OK** or **►** button.
3. Select the audio language using the **▲/▼** button.
4. Select soundtrack direction(left, right, stereo) using the **◀/▶** button.
5. Press the **EXIT** or **SOUNDTRACK** button to exit the soundtrack list.

Note:

- You also can set the soundtrack by pressing the **SOUNDTRACK** button on the remote control.
- You can select the default audio language you want in **MENU-Preferences-Language Setting-Audio Language**.
- If your receiver is connected to a TV that does not support compressed audio using a HDMI cable, the audio may not function. Select another audio option other than compressed audio.



4. Basic Operation



4. Locking/Unlocking a Channel

You can lock or unlock the current channel while watching a programme.

1. Press the **OPT+** button.
2. Select **Lock/Unlock** using the **▲/▼** button and press the **OK** or **►** button.
3. Select **Lock** option using the **▲/▼** button and press the **OK** button.
4. Select **Unlock** option using the **▲/▼** button and press the **OK** button.
5. You will be prompted to enter the password. Enter the password to unlock the channel.
6. Move to the parent menu using the **◀** button to save the changes automatically.



Tip: The default password is **0000**. If you have forgotten your password, please contact your local product distributor.

5. Deleting a Channel

You can delete the current channel while watching a programme.

1. Press the **OPT+** button.
2. Select **Delete** using the **▲/▼** button and press the **OK** or **►** button.
3. Select **Yes** in the confirmation message and press the **OK** button.
4. Enter the password using the **NUMERIC(0-9)** buttons to delete the current channel.





4. Basic Operation

4.6 Channel List

Five types of channel lists are provided for easy and quick channel browsing.

TV	The list of all TV channels with two sub-groups: one is sorted by channel number, the other is sorted by channel name (Alphabetical).
Radio	The list of all radio channels with two sub-groups: one is sorted by channel number, the other is sorted by channel name (Alphabetical).
Favourite	You can create five favourite lists for quick and easy access to the channels you watch more often. Using this feature, you can skip the channels you rarely or never watch.
Playlist	You can move to the Playlist to display the recorded programmes.
PIP CH LIST	You can move to the PIP channel list.

You can display the channel list and switch to another channel on the channel list.

1. Press the **LIST** button while watching a programme to display the channel list.
2. Select a channel using the **▲/▼** button and press the **OK** button to change the channel.
3. Enter the channel number directly using the **NUMERIC(0-9)** buttons to move the cursor to the channel you want. And then press the **OK** button to change to the selected channel.
4. Press the **►** button while the channel list is displayed to view the group list. Select a channel group using the **▲/▼** button and press the **OK** or **►** button.
Select a sub-group using the **▲/▼** button and then press the **OK** button. The channel list for the selected sub-group is displayed.

Note:

- You can also display the channel list by pressing the **OK** button.
- If there are multiple channels, press the **PAGE+/PAGE-** button to move by page.
- Whenever you press the **TV/RADIO** button while the channel list is displayed, the channel list will switch between TV and radio channel lists.
- To display scramble icon in the channel list, select **On** in **MENU-Preferences-Miscellaneous Settings-Option in CH List**.
- The favourite lists will only appear if you have created them first.



4. Basic Operation



4.7 PIP (Picture-in-Picture) Screen

Press the **PIP** button while watching TV to watch two channels at the same time. The audio from the main screen will be outputted. Press the PIP button to exit the **PIP** mode.

Note:

- The teletext (MHEG) is only available on the main screen.
- The PIP screen is available while recording a programme or playing back a recording. Some channels may not be available if you record two channels simultaneously.
- Only one scrambled (Pay TV) channel can be used with the PIP function.

1. Changing the PIP Mode

Each time you press the PIP button, the PIP size is changed, as displayed in the following figure.



1:6 PIP screen



Normal screen



1:1 PIP screen

2. Swapping the PIP Screen

This function is available in **1:6 PIP or 1:1 PIP**.

Press the **SWAP PIP** button on the remote control to swap the main screen for the PIP screen. Press the **CH+/CH-** button to change the main screen channel.

Note:

You cannot use the SWAP PIP function in the following cases:

1. When you are watching a radio channel.
2. When the screen displays the channel list, audio and detail information.

SWAP



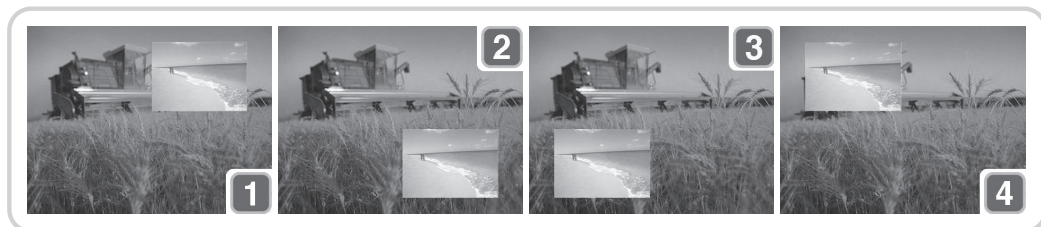
4. Basic Operation



3. Moving the PIP Screen

You can move the position of the PIP screen.

Each time you press the **MOVE PIP** button, the PIP screen moves, as displayed in the following figure.



4. Switching Channels in the PIP Screen

1. In PIP mode, press the **PIP CH+ / PIP CH-** button to change the channel on the PIP screen only.
2. Press the **LIST** button in the PIP mode and press the **►** button to select the channel list group. Select **PIP CH LIST** using the **▲/▼** button and press the **OK** button. Select the channel you want using the **▲/▼** button and press the **OK** button.



4.8 Game

Provides various games for user's entertainment.

1. Press the **GAME** button.
2. According to the instruction displayed on screen, you can enjoy the game using the **▲/▼/◀/▶** and **OK** button.

Note: Press the **EXIT** or **BACK** button to exit the game.

5. PVR



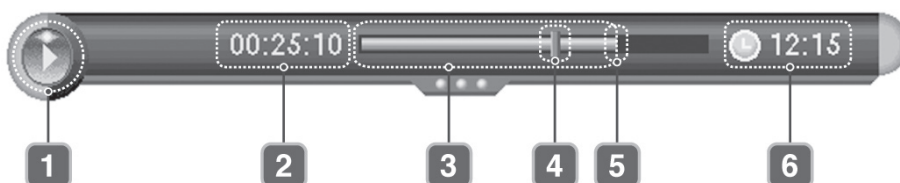
5.1 Time Shifted Recording (TSR)

You can perform TSR (Time Shifted Recording) and other functions similar to VCR functions using the playback control buttons while playing a programme.

The product automatically saves the programme in the embedded hard disk drive temporarily, so that users can pause, play, fast rewind, fast forward, replay, etc. even while watching the currently broadcasting TV programme.

1. Time Bar

If you press the **PLAY** button while watching TV, the time bar information will be displayed. Time bar displays the current operation status, the time gap between the broadcasting point and watching point and the amount of temporarily saved programme.



- | | |
|-----------------------------------|------------------------------|
| 1. Operation status | 4. Watching point |
| 2. Watching point time (hh:mm:ss) | 5. Broadcasting (Live) point |
| 3. The amount of saved programme | 6. Current time (hh:mm) |

2. Pause

If you press the **PAUSE** button on the remote control, the current programme is paused. If you press the **PAUSE** button once again, the programme is resumed from that point.

Note: Pause makes the time gap or delay between the broadcasting (live) point and watching point. The time gap is equivalent to the period the programme was paused. Operations like slow motion and fast rewind also make the time gap. Press the **STOP** button to go to the live programme.



5. PVR



3. Fast Rewind to Previous Scene

Press the **FAST REWIND** button on the remote control to watch the scene passed by. Each time you press the **FAST REWIND** button, the rewind speed increases. (x2, x4, x16, x32, x64)
If you press the **PLAY** button, the fast rewind operation stops and the programme is played at normal speed.

Note: You can fast rewind back to the start point. If you reach the start point while rewinding, the programme is automatically played at normal speed from that point.



4. Fast Forward to the Next Scene

Press the **FAST FORWARD** button on the remote control to fast forward the programme. Each time you press the **FAST FORWARD** button, the speed increases. (x2, x4, x16, x32, x64)
If you press the **PLAY** button, the fast forward operation stops and the programme is played at normal speed.

Note: You can use the fast forward operation only when there is a time gap between the current watching point and the broadcasting (live) point caused by some previous operations such as pause, slow motion or fast rewind. You can fast forward to the current broadcasting point. If the watching point reaches the broadcasting (live) point, the programme is automatically played at normal speed.



5. TSR Recording

Press the **RECORD** button on the remote control to record the current programme immediately. While the time shift operation records the programme temporarily, this record operation records the programme permanently so you can playback the recorded programme at any time. For more information about recording, refer to **5.2 Recording**.

Adjusting the Recording End Time

Press the **RECORD** button while recording to adjust the recording end time. You can adjust the recording end time by +/-10 minutes using the ◀▶ button, and then press the **OK** button to change the recording end time and hide the message screen.

5. PVR



5.2 Recording

Using the built-in hard disk drive, you can record a programme without an external media device such as a VCR.



1. General Recording

Press the **RECORD** button on the remote control to record the current programme instantly. You can select the point you want to record using the ◀▶ button. Press the **RECORD** button to start instant recording from that point.

To record another channel, change channels while recording and press the **RECORD** button again. You can record up to two channels simultaneously. While doing so, you can perform TSR (Time Shifted Recording) and view the programmes on air.

If you press the **STOP** button while recording two other channels, you will be prompted to select a recording you wish to stop.

If a reserved recording is about to start while recording two other channels already, you will be prompted to stop one of the currently recording channels.

Note:

- Ensure that there is enough free space before recording. If the free space on the hard disk drive is insufficient, recording will stop. Recording one hour of programme may require up to 2 or 3GB of hard disk space. The space for recording a 1 hour programme may differ depending on the programme.
- You can record radio programmes also.



2. Descrambling and Re-recording

You can descramble and re-record the recorded file.

1. Press the **RECORD** button at the point you want to record while playback.
2. Press the **STOP** button to stop recording. A pop-up message will appear. Select **Yes** and press the **OK** button. Then the recording will stop but the playback will continue.
3. To find new recorded files in the play list, press the **PLAY LIST** button.

5. PVR



5.3 Programme Playback in the Play List

You can playback the recorded programme by pressing the **PLAY LIST** button. You can switch among **VIDEO(TV)**, **AUDIO (radio)** and **Selected Files** list using the **◀/▶** button.

1. VIDEO/AUDIO List

1. Select **VIDEO/AUDIO** list using the **◀/▶** button.
2. Select a programme using the **▲/▼** button and press the **OK** button to play the recorded programme.
3. Select the programmes and press the **GREEN** button to select the recorded programmes. To unselect the selected programmes, press the **GREEN** button again.
4. Select the programmes you want to delete using the **GREEN** button and press the **RED** button to delete the recorded programmes.
5. Select the programmes you want to move using the **GREEN** button and press the **YELLOW** button. Move the cursor to the destination using the **▲/▼** button and press the **OK** button. A pop-up will appear. Select **Yes** and press the **OK** button.
6. Each time you press the **BLUE** button, the sorting order of the recorded programmes change in the following sequence: by descending time, by ascending time, by name.
7. Select programmes you want to playback using the **GREEN** button and press the **OK** or **PLAY** button to play the recorded programmes. The programmes will be played in the selected order.
8. If you select programmes using the **GREEN** button, the programmes you select will add to **Selected Files** list automatically.



Note:

- **Move** is inactivated in **VIDEO/AUDIO** list.
- If you select or playback a split programme, other split programmes are also selected or played back continuously.

2. Selected Files List

1. Select **Selected Files** list using the **◀/▶** button.
2. All features are similar to those of **VIDEO/AUDIO** list.

Note:

- You also can playback the recorded programme in **Menu-Record-Recorded Programme**. Please refer to **7.1 Recorded Programme**.
- You can playback the programme currently being recorded. For more information, refer to **5.2 Recording**.
- The playback icon will be displayed when the programme is being played.
- The recording icon will be displayed when the programme is being recorded.
- Certain parts of the programme may blink when playing back a recorded programme in case the recording mode is switched from scramble to descramble or vice versa.



5. PVR



5.4 Chase Play

You can watch the programme from the beginning as the rest of the programme is simultaneously being recorded. While recording two channels simultaneously, you can perform TSR (Time Shifted Recording) using the playback control buttons.

Note: You can playback the programme being recorded after it has been recorded for at least 30 seconds.

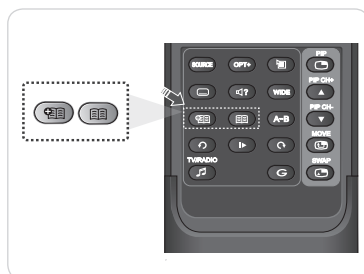
5.5 Bookmark

You can jump to a position directly using the bookmark in recorded programme playback. Use bookmarks to search positions quickly and conveniently.

1. Adding a Bookmark

Press the **ADD BOOKMARK** button at a certain position to set a bookmark while playing back a recorded programme.

Note: The bookmark function is only available for recorded programmes.



2. Bookmark List

1. Press the **BOOKMARK LIST** button after adding a bookmark.
2. Select the location you want to view using the **▲/▼** button and press the **OK** button to start playback from the location you have selected.
3. Press the **BOOKMARK LIST** button again to return to the play bar.
4. To delete a location, select the location you want to delete and press the **ADD BOOKMARK** button.



5. PVR



5.6 Additional Time Shift Operations

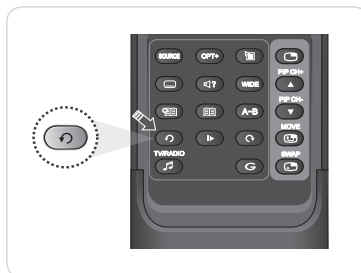
You can perform additional time shift operations using the following buttons on the remote control.

1. Direct Jump

Press the **PLAY** button while watching TV. If you press the **◀/▶** button, a moving arrow will appear in the progress bar. Move this arrow to a time point using the **◀/▶** button and then press the **OK** button to play the programme from the specified time point. You can also move to the specified time point directly by entering the time you want using the **NUMERIC(0-9)** button while playing back a recorded programme.

2. Instant Replay

Press the **INSTANT REPLAY** button to jump back and play from that location. When the replay has been completed the programme will play from the current point. Refer to **8.5 Miscellaneous Settings**.



3. Commercial Skipping 30 seconds

Press the **COMMERCIAL SKIP** button jump ahead in a recording. You can use the skip operation only when there is a time gap between the current watching point and the broadcasting point while using the fast forward operation. If the time gap is less than 30 seconds, the programme is played from the current broadcasting point. Refer to **8.5 Miscellaneous Settings**.

4. Slow Motion

Press the **SLOW MOTION** button to play the current programme in slow motion. Each time you press the **SLOW MOTION** button, the speed decreases ($\times 1/2$, $\times 1/4$, $\times 1/8$). Press the **PLAY** button to stop playing in slow motion and return to normal speed.

5. Repeat Mode

You can select a specific block within a recorded programme and play it back repeatedly. Press the **A-B** button to set the first repeating position. Select the second position using the **◀/▶** button and press the **A-B** button. Then the programme plays back the selected block repeatedly. To stop the repeat mode, press the **A-B** button while repeating the selected block.

Press the **STOP** button to stop playing the saved programme and watch the current programme on air.

6. Programme Guide



The programme guide displays programme information about each channel, based on the date and time. You can also schedule your recording using the information given.

Note: Press the **BACK**, **EXIT** or **GUIDE** button to exit the guide screen.

6.1 Viewing Programme Guide Information

You can view the programme information of all channels. Press the **GUIDE** button.

1. Information of the Programme Guide Screen

The TV guide is displayed as follows.



1. Channel and programme information
2. Icon



Split Programme

Displayed only when the programme is a split programme.



Series

Displayed only when the programme is a series programme.



Reservation

Displayed only if the programme is reserved for recording.



Auto tracking

Displayed only when the auto tracking function is performed.

3. Group name
4. Indication of present time
5. Present date and time
6. Video preview window
7. Table date & time range

6. Programme Guide



Note:

- **Auto tracking** can track the changes of the reserved programme and keep the reservation. Even when the broadcasting time of the reserved programme is changed, you can still record the reserved programme with the auto tracking feature.
- Auto tracking, split and series reservation are enabled only when **Recording's Start/End Time** in the menu is set to **On Time**.

2. Using Programme Guide

1. Move to previous/next programme within the same channel using the ◀/▶ button.
2. Move back 2 hours or move 2 hours ahead within the same channel using the **FAST REWIND** or **FAST FORWARD** button.
3. Use the **Instant Reply** or **Commerical Skip** button to move to move back or forward 1 day.
4. Select a programme and press the **OK** button. Then you can watch the programme if it is on air or reserve it if it is the future programme.
5. Press the **I** button in the selected programme to view the detailed information (if available) of the selected programme.

3. Scheduling Recording

You can automatically schedule recording in the scheduled programme and pressing the **OK** button.

1. Select the programme and press the **OK** button to complete reservation. The reservation icon will be displayed.
2. Select the scheduled programme and press the **OK** button to cancel reservation.
3. If you select a split programme, a pop-up will appear. Press the **OK** button.
4. If you select a series programme, a pop-up will appear. Select an option you want and press the **OK** button.



6.2 Selecting Channel Group

You can view programme information of the selected channel list by groups.

1. Press the **GUIDE** button.
2. Press the **RED** button to display the channel list group.
3. Select a channel list group using the ▲/▼ button.
4. Move the cursor to the sub-group using the ▶ button, select a sub-group using the ▲/▼ button and then press the **OK** button. The programme guide for the selected channel list is displayed.



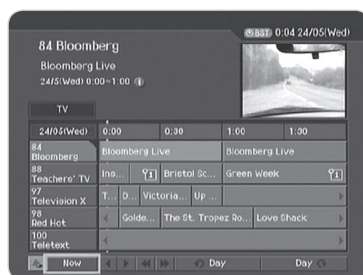
6. Programme Guide



6.3 Using Time Bar

You can quickly search the time zone using the time bar.

1. Press the **GUIDE** button.
2. Press the **GREEN** button to display time bar.
3. Select the each button using the **◀/▶** button and press the **OK** button to move the time bar. If you press the button repeatedly, the same operation is repeated.
4. You can also use the **FAST REWIND/FAST FORWARD** and **INSTANT PLAY/COMMERCIAL SKIP** buttons on the remote control.
5. Each button functions as follows.



Exits the time bar.

Now

Moves to the current programme where the cursor is located.



Moves back to the previous programme or 30 minutes before.



Moves forwards to the next programme or 30 minutes ahead.



Moves back to 2 hours before.



Moves forwards to 2 hours ahead.



Day Day Moves back to one day before.



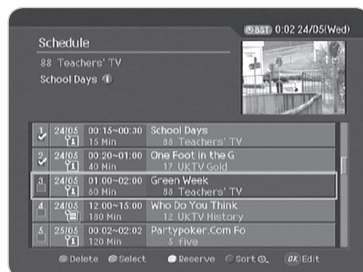
Day Day Moves forwards to one day ahead.

6.4 Schedule

You can add or edit recording-reserved programmes using the schedule screen.

1. Press the **GUIDE** button.
2. Press the **YELLOW** button.

Note: For more information about how to add or edit a reservation, refer to **7.2 Recording Schedule**.



6. Programme Guide



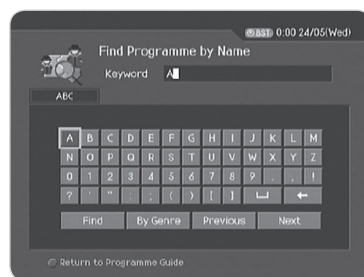
6.5 Finding Programmes

You can find the programme you want by entering the name and genre of the programme.

1. Press the **GUIDE** button.
2. Press the **BLUE** button to display the keyboard.
3. Enter the programme name on the keyboard screen.
4. Select **Previous/Next** and press the **OK** button to switch the keyboard layout.
5. Select **Find** and press the **OK** button.
6. Select a programme and press the **OK** button to watch or reserve it.

Note:

- If you want to find the programme by genre, select **By Genre** and press the **OK** button. Select the genre and press the **OK** button to find.
- Each time you press the **OPT+** button, the sorting order of the found programmes change in the following sequence: by channel, by descending time, by ascending time.
- **Found Programme List** may differ depending on the provided programme information.



7. Record



7.1 Recorded Programme

1. Press the **MENU** button.
2. Select **Record** using the **▲/▼** button and press the **OK** or **▶** button.
3. Select **Recorded Programme** using the **▲/▼** button and press the **OK** or **▶** button. The recorded programme list appears.

Note:

- The programme being recorded will be added to the recorded programme list after it has been recorded for at least 30 seconds.
- Press the **i** button to see the detailed information about the programme you have selected if provided.
- When two other reservations with auto tracking conflict, the reservation with the earlier start time starts recording first. If the reservations have the same start time, the one with the lower channel number starts first.



Split

Displayed only when the programme is a split programme.



Series

Displayed only when the programme is a series programme.



Conflict

Displayed only if the programme was not recorded due to the conflict with other reservations.



Error

Displayed only when the recording is stopped because of an unexpected error.



Protect

Displayed when the channel is protected from deleting and editing.



Lock

Displayed when the channel is a locked channel.

1. Selecting/Unselecting Recorded Programmes

1. Select a programme and press the **GREEN** button. You can select multiple programmes.
2. To unselect the selected programmes, press the **GREEN** button again.

7. Record



2. Deleting Recorded Programmes

1. After selecting reserved programmes using the **GREEN** button, press the **RED** button.
2. Select **Yes** and press the **OK** button to delete the recorded programmes.

Note:

- If the protect option of the programme is set to **Enable**, you cannot delete the programme. Please refer to **7.1.4 Changing the Attribute**.
- You can delete multi programmes except for the protected programmes.
- When Deleting Recordings please ensure that only the recording(s) that you wish to Delete are selected. Unselect any Recordings by pressing the **GREEN** button.



3. Trimming the Recorded Programme

1. Select a programme and press the **YELLOW** button to trim the recorded programme.
2. A pop-up will appear. Select **Trim** and press the **OK** button.
3. You can trim the recorded programme using the following functions.

Note: You can trim recorded TV (Video) channels only.

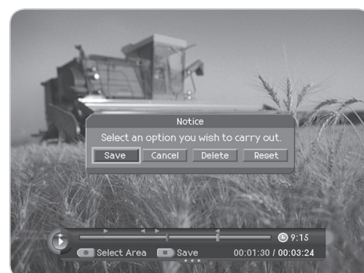


Save

You can save the selected recording part as a different file.

Select the starting point using the ◀/▶ button and press the **RECORD** button. Select the ending point using the ◀/▶ button and press the **RECORD** button. Press the **STOP** button. A pop-up will appear. Select **Save** and press the **OK** button to save the selected part. Select **Reset** and press the **OK** button to reset the edit.

Warning: This function will overwrite the original recording.



7. Record



Delete

You can delete the selected recording part.

Select the starting point using the ◀/▶ button and press the **RECORD** button. Select the ending point using the ◀/▶ button and press the **RECORD** button. Press the **STOP** button. A pop-up will appear. Select **Delete** and press the **OK** button to delete the selected part. Select **Reset** and press the **OK** button to reset the edit.

Note:

- You can select several parts simultaneously.
- After selecting the point you want using the ◀/▶ button, you can view the scene of the point you select by pressing the **OK** button.

Split

You can split the recorded programme into separate recordings.

Select the point you want to split using the ◀/▶ button and press the **RECORD** button. Press the **STOP** button. A pop-up will appear. Select **Yes** and press the **OK** button to split the selected point.



7. Record



4. Changing the Attribute

1. Select a programme and press the **YELLOW** button to change the attribute of the recorded programme.
2. A pop-up will appear. Select **File** and press the **OK** button.
3. Select **Programme** in the **File** using the **▲/▼** button and press the **OK** or **▶** button to display a keyboard on the screen. Enter the programme name on the keyboard. Select **OK** and press the **OK** button to complete.
4. Select **Protect** in the **File** using the **▲/▼** button and press the **OK** or **▶** button to change **Enable/Disable**. You have to enter a password to change the status from **Enable** to **Disable**.
5. Select **Lock** in the **File** using the **▲/▼** button and press the **OK** or **▶** button to change **Enable/Disable**. You have to enter a password to change the status from **Enable** to **Disable**.
6. After editing, you have to select **Save** and press the **OK** button to save your changes.

Note:

- If the protect option of the programme is set to **Enable**, you cannot delete the programme.
- If the lock option of a programme is configured to **Enable**, you have to enter a password to playback the programme.



Tip: The default password is **0000**. If you have forgotten your password, please contact your local product distributor.

7.2 Recording Schedule

You can set a programme to record automatically in **Menu-Record-Recording Schedule**.

1. Press the **MENU** button.
2. Select **Record** using the **▲/▼** button and press the **OK** or **▶** button.
3. Select **Recording Schedule** using the **▲/▼** button and press the **OK** or **▶** button to display the reserved recording list on the screen.

Note: You can schedule recording easily using the programme guide. Refer to **Chapter 6. Programme Guide**.



7. Record



1. Selecting/Unselecting Reserved Programmes

1. Select a programme and press the **GREEN** button. You can select multiple programmes.
2. To unselect the selected programmes, press the **GREEN** button again.



2. Deleting Reserved Programmes

1. After selecting reserved programmes using the **GREEN** button, press the **RED** button.
2. Select **Yes** and press the **OK** button to delete the reserved programmes.

3. Adding a Reservation

1. Press the **YELLOW** button to add a new reservation.
2. Select **Channel** and **Date**. Press the **►** button to display channel and date lists and select one item using the **▲/▼** button and **OK** button. You can also select a channel using the **NUMERIC(0-9)** buttons.
3. Select **Start/End Time** using the **▲/▼** button and press the **◀/▶** button to move back 1 minute or move 1 minute ahead. To change the time using the **NUMERIC(0-9)** buttons, press the **OK** button.
4. Select **Repeat** mode among **ONCE**, **DAILY**, **WEEKLY**, **WEEKDAY(Mon-Fri)** and **WEEKEND** using the **◀/▶** button.

- | | | | |
|--|--------|--|-------------------|
| | Once | | Weekday (Mon-Fri) |
| | Daily | | Weekend |
| | Weekly | | |

5. Select **Lock** mode using the **◀/▶** button.
6. Select **Save** and press the **OK** button to save the changes.
7. Select **Cancel** and press the **OK** button to cancel the reservation.
8. If the channel is locked, you will be prompted to enter the password to complete the reservation.



Note:

- The recording schedule can be overlapped with up to two other programmes.
- The Power On/Off time can overlap the recording schedule.
- The recording icon will be displayed when the programme is being recorded.
- Press the **i** button to see the detailed information about the programme you have selected if provided.

Tip: The default password is **0000**. If you have forgotten your password, please contact your local product distributor.

7. Record



4. Sorting by Time/Name

Each time you press the **BLUE** button, the sorting order of the reserved programmes change in the following sequence: by descending time, by ascending time, by name.

5. Editing a Reserved Programme

1. Select a programme you want to edit and press the **OK** button.
2. For more information about how to edit the information, refer to **7.2.3 Adding a Reservation**.



7. Record



7.3 HDD Control

You can check the free space of the hard disk drive and format (erase) the disk drive if necessary.

1. Press the **MENU** button.
2. Select **Record** using the **▲/▼** button and press the **OK** or **►** button.
3. Select **HDD Control** using the **▲/▼** button and press the **OK** or **►** button.
4. You can check the free, used, reserved and total space of the HDD.
5. Select **Format** and press the **OK** button to remove all the recorded programmes saved on the HDD and initialise the HDD.
6. Select **Yes** when the format confirmation message appears and enter a password to start formatting the HDD.

Note: A certain amount of space is reserved for TSR and PIP.

Tip: The default password is **0000**. If you have forgotten your password, please contact the Humax Customer Helpline.



7.4 Recording's Start/End Time

You can set the start/end time of recording.

1. Press the **MENU** button.
2. Select **Record** using the **▲/▼** button and press the **OK** or **►** button.
3. Select **Recording's Start/End Time** using the **▲/▼** button and press the **OK** or **►** button.
4. Select the time using the **▲/▼** button and press the **OK** button.

Note: Auto tracking, split and series reservation in the programme guide are enabled only when **Recording's Start/End Time** is set to **On Time**.



8. Preferences



You can set censorship and all other items suitable for your environment.

Note:

- Press the **BACK** or ◀ button to save the changes and return to the previous menu. Press the **MENU** or **EXIT** button to exit from the menu screen.
- You can easily select all menu items using the assigned number for each menu.

8.1 Parental Control

You can set parental control for each programme and change the password.

1. Press the **MENU** button.
2. Select **Preferences** using the ▲/▼ button and press the **OK** or ► button.
3. Select **Parental Control** using the ▲/▼ button and press the **OK** or ► button.
4. When prompting message is displayed to ask password, enter the password using the **NUMERIC(0-9)** buttons.



Tip: The default password is **0000**. If you have forgotten your password, please contact your local product distributor.

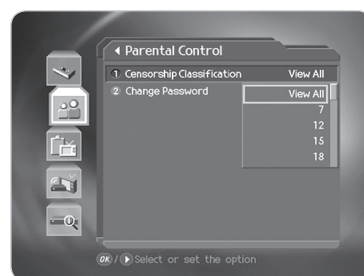
1. Censorship Classification

Censorship Classification allows you to block programmes according to the age level you have set.

1. Select **Censorship Classification** using the ▲/▼ button and press the **OK** or ► button.
2. Select the required age level using the ▲/▼ button and press the **OK** button.

Note:

- You have to enter the password to watch the programme which is blocked by the age level.
- Censorship Classification will only work if the required information is sent by the Broadcaster.



2. Change Password

You can change the current password.

1. Select **Change Password** using the ▲/▼ button and press the **OK** or ► button.
2. Enter **New Password** using the **NUMERIC(0-9)** buttons, select **OK** and press the **OK** button.
3. Enter the new password again to confirm **Verify Password** and select **OK** and press the **OK** button.

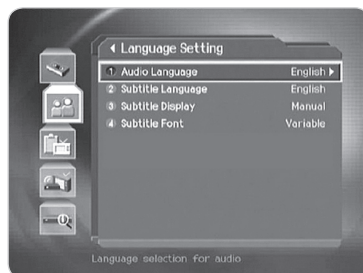
Note: If you have changed and forgotten your password please contact the Humax Customer Helpline.

8. Preferences



8.2 Language Setting

1. Press the **MENU** button.
2. Select **Preferences** using the **▲/▼** button and press the **OK** or **►** button.
3. Select **Language Setting** using the **▲/▼** button and press the **OK** or **►** button.



1. Audio/Subtitle Language

You can set the language for audio and subtitle.

1. Select **Audio/Subtitle Language** using the **▲/▼** button and press the **OK** or **►** button.
2. Select a language using the **▲/▼** button and press the **OK** button.

2. Subtitle Display

You can select to display the subtitle automatically or not.

1. Select **Subtitle Display** using the **▲/▼** button.
2. Select from **Auto** and **Manual** using the **OK** or **►** button.

Auto	Subtitles are displayed automatically in the predefined subtitle language.
Manual	Subtitles are displayed in the language when you select the subtitle language by pressing the SUBTITLE button on the remote control.

Note: Interactive service(MHEG) is not available when subtitles are displayed.

3. Subtitle Font

You can select the subtitle font .

1. Select **Subtitle Font** using the **▲/▼** button.
2. Select from **Variable** and **Fixed** using the **OK** or **►** button.

8. Preferences



8.3 Time Setting

You can specify the current time and Power On/Off time.

1. Press the **MENU** button.
2. Select **Preferences** using the **▲/▼** button and press the **OK** or **►** button.
3. Select **Time Setting** using the **▲/▼** button and press the **OK** or **►** button.

1. GMT Offset

You can set the GMT offset for the current time.

1. Select **GMT Offset** using the **▲/▼** button and press the **OK** or **►** button.
2. Select your GMT offset using the **▲/▼** button and press the **OK** button. GMT is changed by 30 minutes to 1 hour.

Note:

- The current time is set automatically whenever GMT offset changes.
- The time is detected from the Digital Transmitter that you receive the Digital channels from. It is not possible to enter the time.



2. Power On

You can set the time when the product is automatically powered on.

1. Select **Power On** using the **▲/▼** button.
2. Select **Enable/Disable** using the **OK** or **►** button.

Enable	Uses Power On and sets the Power On time.
Disable	Does not use Power On.

3. When you have selected **Enable**, enter **Channel No.** and **Time** using the **NUMERIC(0-9)** buttons and select **OK** and press the **OK** button.



3. Power Off

You can set the time when the product is automatically powered off.

1. Select **Power Off** using the **▲/▼** button.
2. Select **Enable/Disable** using the **OK** or **►** button.
3. When you have selected **Enable**, enter **Time** using the **NUMERIC(0-9)** buttons, select **OK** and press the **OK** button.

Note:

- Once Power On/Off is specified, it is repeated everyday.
- You can set the time when the product is automatically powered on/off overlapped with a recording schedule.

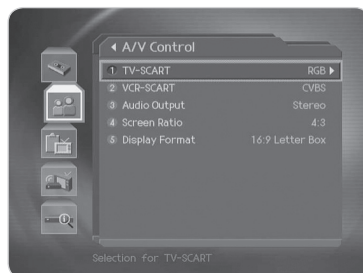
8. Preferences



8.4 A/V Control

You can set the audio or video output control.

1. Press the **MENU** button.
2. Select **Preferences** using the **▲/▼** button and press the **OK** or **▶** button.
3. Select **A/V Control** using the **▲/▼** button and press the **OK** or **▶** button.



1. TV-SCART

You can set the TV SCART output.

1. Select **TV-SCART** using the **▲/▼** button and press the **OK** or **▶** button.
2. Select an option among **CVBS**, **RGB** and **S-Video** using the **▲/▼** button and press the **OK** button.

2. VCR-SCART

You can set the VCR SCART output.

1. Select **VCR-SCART** using the **▲/▼** button.
2. Select from **CVBS** and **S-Video** using the **OK** or **▶** button.

3. Audio Output

You can set the the audio output.

1. Select **Audio Output** using the **▲/▼** button.
2. Select from **Stereo** and **Mono** using the **OK** or **▶** button.

4. Screen Ratio

You can set the aspect ratio of your TV.

1. Select **Screen Ratio** using the **▲/▼** button.
2. Select from **4:3 (Conventional TV)** and **16:9 (Widescreen TV)** using the **OK** or **▶** button.

8. Preferences



5. Display Format

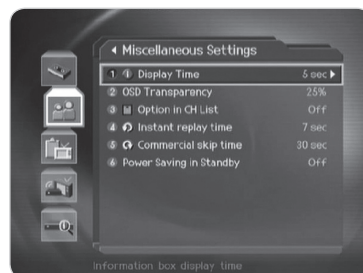
You can select the display format according to the TV screen ratio.

1. Select **Display Format** using the ▲/▼ button and press the **OK** or ► button.
2. If the screen ratio is set to **4:3**, you can select an option among **16:9 Letter Box**, **14:9 Letter Box** and **Centre Cut-Out** using the ▲/▼ button and press the **OK** button.
3. If the screen ratio is set to **16:9**, this item will display **Auto**.

Note: If you have set the **Screen Ratio** to **16:9** you may also need to adjust your TV set to its 16:9/Auto/Wide format.

8.5 Miscellaneous Settings

1. Press the **MENU** button.
2. Select **Preferences** using the ▲/▼ button and press the **OK** or ► button.
3. Select **Miscellaneous Settings** using the ▲/▼ button and press the **OK** or ► button.



1. i-Plate Display Time

You can set the duration of the information box to be displayed.

1. Select **i-Plate Display Time** using the ▲/▼ button and press the **OK** or ► button.
2. Select an option between **1~20** seconds using the ▲/▼ button and press the **OK** button.

Note: When it is set to **Disable**, the i-plate will not be displayed when the channel is switched.

2. OSD Transparency

You can set the transparency of On Screen Display.

1. Select **OSD Transparency** using the ▲/▼ button and press the **OK** or ► button.
2. Select an option among **Disable**, **25%**, **50%** and **75%** using the ▲/▼ button and press the **OK** button.

8. Preferences



3. Option in Channel List

You can set whether or not to display the scrambled icon in channel list and i-plate.

1. Select **Option in CH List** using the ▲/▼ button.
2. Select **On/Off** using the **OK** or ► button.

4. Instant Replay Time

You can make the current programme go back 7, 15 or 30 seconds.

1. Select **Instant replay time** using the ▲/▼ button and press the **OK** or ► button.
2. Select an option among **7**, **15** and **30** using the ▲/▼ button and press the **OK** button.

5. Commercial Skip Time

You can skip 15,30, 60 or 120 seconds of the unwanted scenes.

1. Select **Commercial skip time** using the ▲/▼ button and press the **OK** or ► button.
2. Select an option among **15**, **30**, **60** and **120** using the ▲/▼ button and press the **OK** button.

Note:

- Press the **BACK** or ◀ button to save the changes and return to the previous menu, press the **MENU** or **EXIT** button to exit the menu screen.
- You can easily navigate all menus using the assigned number for each menu.

6. Power Saving in Standby

You can select whether the product switches to power saving mode in standby.

1. Select **Power Saving in Standby** using the ▲/▼ button.
2. Select from **On** and **Off** using the **OK** or ► button.

9. Edit Channels



9.1 Edit Channel Lists

1. Press the **MENU** button.
2. Select **Edit Channels** using the **▲/▼** button and press the **OK** or **►** button.
3. Select **Edit Channel Lists** using the **▲/▼** button and press the **OK** or **►** button.
4. Press the **OK** or **►** button in **Group** to select the group of channel list. Select the group using the **▲/▼** button and press the **OK** button.
5. Select a channel using the **▲/▼** button and press the **OK** button. You can select more than one channel. Select **Delete/ Lock** using the **▲/▼** button and press the **OK** button.
6. Select **Select All/Unselect All** using the **▲/▼** button and press the **OK** button to select/unselect all channels.

Note:

- Press the **TV/RADIO** button to move to the TV or radio channel list directly.
- When the locked channel(s) is selected or all channels are locked, **Lock** is switched to **Unlock**. When you select **Unlock** and press the **OK** button, locked channel is switched to an unlocked channel.



Tip: The default password is **0000**. If you have forgotten your password, please contact your local product distributor.

9. Edit Channels



9.2 Edit Favourite Channels

1. Press the **MENU** button.
2. Select **Edit Channels** using the **▲/▼** button and press the **OK** or **►** button.
3. Select **Edit Favourite Channels** using the **▲/▼** button and press the **OK** or **►** button.
4. You will be prompted to select a favourite group. Select a favourite group to edit using the **▲/▼** button and press the **OK** button.

Note: Press the **TV/RADIO** button to move to the TV or radio channel list directly.



The icons for editing the favourite channel list are described in the following table.

	Add	Adds favourite channel.
	Remove	Removes from the favourite channel.
	TV/RADIO	Switches between TV and radio channel list.
	Fav.Group	Changes favourite channel list group.
	Move	Changes the order of channels within the favourite channel list.
	Rename	Renames the name of favourite channel list.
	Sort	Sorts channels by number or name in all TV/radio channel list.
	Unselect All	Unselects all the selected channel.



10. Installation



This chapter describes how to search for channels and other series of procedures.

Note:

- Press the **BACK** or ◀ button to save the changes and return to the previous menu. Press the **MENU** or **EXIT** button to exit from the menu screen.
- You can easily select all menu items using the assigned number for each menu.

10.1 Automatic Search

If your product is connected to the aerial and television, you can automatically search channels without entering any other information.

1. Press the **MENU** button.
2. Select **Installation** using the ▲/▼ button and press the **OK** or ► button.
3. Enter the password using the **NUMERIC(0-9)** buttons.
4. Select **Automatic Search** from installation menu using the ▲/▼ button and press the **OK** or ► button.
5. Automatic channel search begins.



Tip: The default password is **0000**. If you have forgotten your password, please contact your local product distributor.

1. Search

Wait while channel search continues. This may take a few minutes.

1. While operating search, the cursor is located at **Stop**. Therefore, if you press the **OK** button during searching, the operation is stopped and the channels found until then will be displayed.
2. If search operation is successfully completed and the channel does not exist, press the **OK** button and try to reset the search operation again if necessary.
3. You can delete unnecessary channels from the searched channels. Select the channels to delete and press the **OK** button. Then select **Delete** and press the **OK** button. To delete all channels, select **Select All** to select all channels, select **Delete** and press the **OK** button.
4. When completing channel search and deleting unnecessary channels, select **Save** and press the **OK** button to save the changes.



10. Installation



10.2 Manual Search

You can search channels manually by searching parameters, using the MUX information.

1. Press the **MENU** button.
2. Select **Installation** using the **▲/▼** button and press the **OK** or **▶** button.
3. Select **Manual Search** using the **▲/▼** button and press the **OK** or **▶** button.

1. Channel

Enter the channel to search. When entering channel value, the appropriate frequency value is displayed.

1. Select **Channel** using the **▲/▼** button and press the **OK** or **▶** button.
2. Select one of channels using the **▲/▼** button and press the **OK** button.



2. Frequency

Enter the frequency to search directly. When entering frequency, the appropriate channel for the entered frequency is automatically displayed on channel.

1. Select **Frequency** using the **▲/▼** button and press the **OK** or **▶** button.
2. Enter the frequency using the **NUMERIC(0-9)** buttons and press the **OK** button.

3. Network Search

If specified frequency channel information and other channel information are provided together, the channel belonging to another frequency is also searched.

1. Select **Network Search** using the **▲/▼** button.
2. Select **Enable/Disable** using the **OK** or **▶** button.

10. Installation



10.3 Default Setting

Default setting restores the product to the default settings.

Warning: Please note that once you perform default setting, all data such as channel list and user configured data are deleted, no information on the HDD will be lost.

1. Press the **MENU** button.
2. Select **Installation** using the **▲/▼** button and press the **OK** or **►** button.
3. Enter the password using the **NUMERIC(0-9)** buttons.
4. Select **Default Setting** using the **▲/▼** button and press the **OK** or **►** button.
5. Select **Yes** and press the **OK** button to restore all setting to factory default. Select **No** and press the **OK** or **BACK** button to return to the previous menu.
6. Confirm again to start loading default setting. Enter the password using the **NUMERIC(0-9)** buttons to perform restoring.
7. When completing the default setting, press the **OK** button to automatically run the installation wizard. For detailed information about the installation wizard, refer to **Chapter 3. Installation Wizard**.



Tip: The default password is **0000**. If you have forgotten your password, please contact your local product distributor.

10.4 Antenna Power

Make sure to set the **Antenna Power** to **On** when you connect an active antenna to the **ANTENNA IN** connector on the rear of the product.

1. Press the **MENU** button.
2. Select **Installation** using the **▲/▼** button and press the **OK** or **►** button.
3. Select **Antenna Power** from the installation menu using the **▲/▼** button.
4. Press the **OK** or **►** button to select **On/Off**.

On	5V power supply from the active antenna cable. +5V/50mA (max.)
Off	No power supply.



Note:

- Active antenna is a portable or indoor antenna which needs power supply from the product because it does not have power cord for itself.

11. Software Update



In order to maintain proper performance of the product, it is essential to have the most up-to-date software. Visit the Humax website to check the latest news and newly released software versions.

<http://www.humaxdigital.com>

It is recommended that you periodically check for the availability of software update.

Important: In order to receive Software Updates Automatically you must have the product in Standby mode at the time of the Regular Auto Update.

11.1 OTA (Over the Air)

OTA, an abbreviation of Over-the-Air, is a standard for the transmission of software through a broadcast system.

OTA is simply an alternative method for downloading software versions. However, the manufacturers reserve the right for deciding the release of the software for their products by beaming the latest software versions over the air via aerial. The software update via aerial will only occur under the following circumstances.

1. The equipment should have appropriate loader software. Caution: Please note that if normal loader software is not equipped, the product may not be updated or operate properly after software update.
2. The manufacturer decides to release the software via a designated channel.
3. The equipment must be tuned properly to the same aerial equivalent to that of the manufacturer.
4. Update software when the signal strength and quality is high. If the signal strength and quality are not recommendable, perform the software update later.

Caution:

- Please be careful to keep the power on and the power cord plugged in during software update. If the power is off during software update, fatal damage may be caused to the product.
- Please be careful not to pull out the signal line (co-axial cable) during software update. Update may be interrupted and the product may not operate.

Note:

- Other functions will not activate while software update takes place.
- It may take 5~10 minutes to update software.
- Scheduling operation cannot work during software update.

1. If new software is found when powering on

1. A message will be displayed to notify that new software is found.
2. Select **Yes** and press the **OK** button to update the software.
3. Starts downloading new software. Please wait until the update is completed.
4. When completing the software update, the equipment is automatically powered off and on again. To find out what changes have been made to the product when new software is received please visit <http://www.humaxdigital.co.uk>

11. Software Update



11.2 Updating Software from Menu

1. Press the **MENU** button.
2. Select **Installation** using the **▲/▼** button and press the **OK** or **►** button.
3. Enter the password using the **NUMERIC(0-9)** buttons.
4. Select **Software Update** using the **▲/▼** button and press the **OK** or **►** button.

Tip: The default password is **0000**. If you have forgotten your password, please contact your local product distributor.



1. Automatic Update

You can set the product to find HUMAX software update site and update software automatically.

1. Select **Automatic Update** using the **▲/▼** button and press the **OK** or **►** button.
2. Automatically search for new software. Select **Cancel** and press the **OK** button to finish search.
3. When detecting software update, the following result is displayed. If new software is not found by automatic update, use manual update.
4. Select **Yes** and press the **OK** button to start updating. Select **No** and press the **OK** button to return to the previous menu without updating.
5. When completing the software update, the product is automatically powered off and on again.



11. Software Update



2. Manual Update

You can perform manual update using know MUX information.

1. Select **Manual Update** using the ▲/▼ button and press the **OK** or ► button.
2. Select **Channel** using the ▲/▼ button and press the **OK** or ► button.
3. Select the channel number using the ▲/▼ button and press the **OK** or ► button.
4. Select **Frequency** using the ▲/▼ button and press the **OK** or ► button.
5. Enter the frequency using the **NUMERIC(0-9)** buttons.
6. Select **Search** and press the **OK** button to search software.
7. Existing new software will show. If new software does not exist, press the **OK** button to return to the manual update menu.
8. Select **Yes** and press the **OK** button to start updating. Select **No** and press the **OK** button to return to the previous menu.
9. Performs software update. Please wait until it is completed.
10. When completing the software update, the product is automatically powered off and on again.

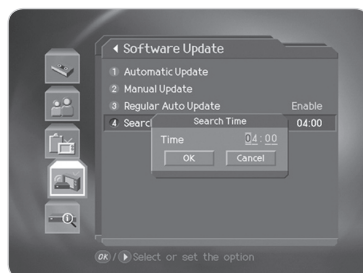


3. Regular Auto Update and Search Time

You can specify the regular auto update and search time. Regular auto update is started in standby mode.

1. Select **Regular Auto Update** using the ▲/▼ button and press the **OK** or ► button.
2. Select **Enable/Disable** and press the **OK** button to set or unset the search time automatically.
3. When selecting **Enable**, set **Search Time** using the **NUMERIC(0-9)** buttons and select **OK** and press the **OK** button.
4. If you wish to cancel the entered time, select **Cancel** and press the **OK** button.

Note: Regular auto update will only work when if the product is in Standby at the time the Regular is set.



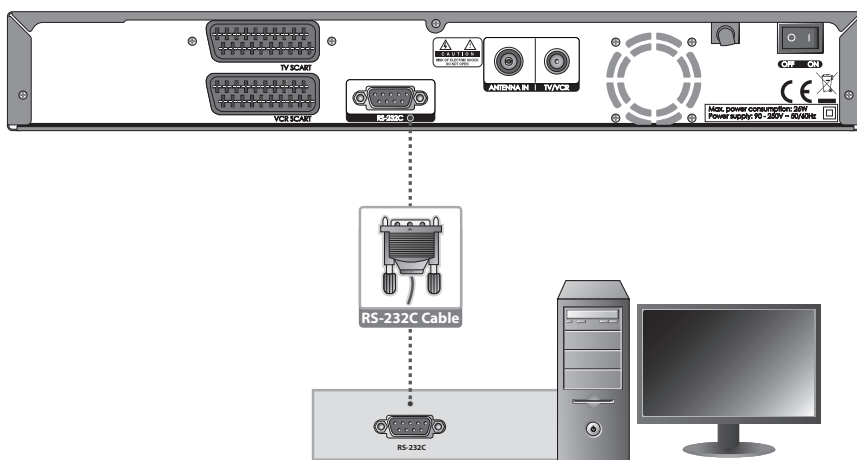
11. Software Update



11.3 Software Update from PC

You can connect your product to the PC directly and update your software by transferring the new software from the PC. Follow these steps to download new software from PC to this product.

1. Download the new software file equivalent for this product model from our website(<http://www.humaxdigital.com>).
2. Download and install the download tool from our website.
3. Connect your PC to this product with an RS-232C serial cable.
4. Execute the installed download tool and follow the instructions provided.
5. Power On/Off to start operating.

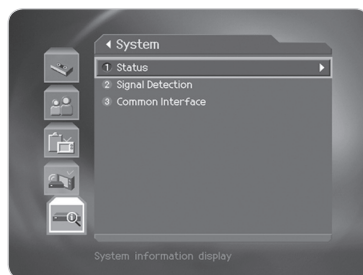


12. System



You can view all system information, signal detection and Common Interface.

1. Press the **MENU** button.
2. Select **System** using the **▲/▼** button and press the **OK** or **►** button.



12.1 Status

You can view system information.

Select **Status** using the **▲/▼** button and press the **OK** or **►** button.

12.2 Signal Detection

You can view the signal strength and signal quality of the channel that is currently on AV.

Select **Signal Detection** using the **▲/▼** button and press the **OK** or **►** button.

12.3 Common Interface

You can view the current status of the CI-Module.

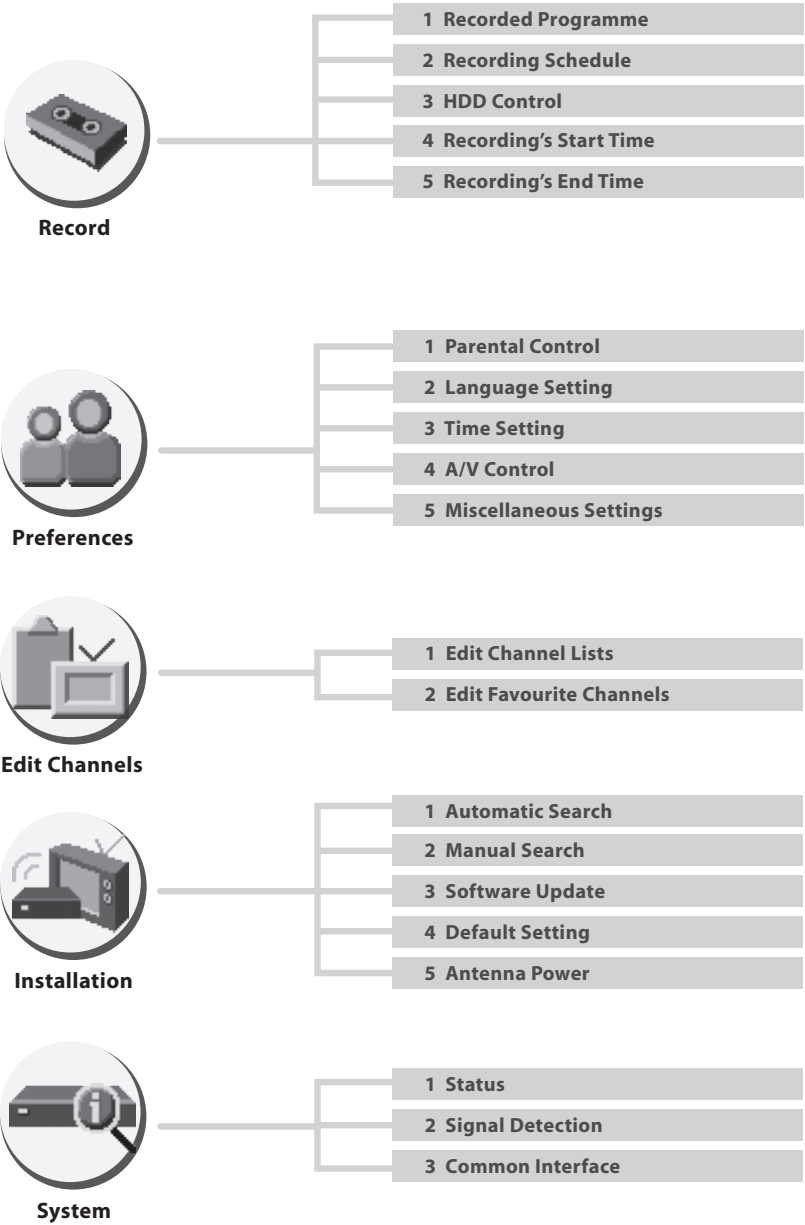
1. Select **Common Interface** using the **▲/▼** button and press the **OK** or **►** button.
2. Select **Slot** and press the **OK** or **►** button. If Common Interface is available, you can view slot information.

Note: The displayed information about a Common Interface may differ depending on Common Interface type.

13. Appendix



13.1 Menu Map



13. Appendix



13.2 Trouble Shooting

Before contacting your local service centre, please read the tips below carefully. If the problem persists after completing the following procedure, please contact your local product distributor or service centre for further instructions.

1. No message displayed on the front panel. (The product will not switch on.)

- Check the main power cable and make sure it is plugged into a suitable power outlet.
- Check that the mains supply is switched on.
- Check that the power switch is on at the rear of the product. (where applicable)
- Connect the power cable to a different power outlet.

2. No picture on TV set

- Make sure that the product is powered on and in operation mode. (Press the STANDBY button)
- Make sure that the AV cable is firmly connected to the TV.
- Make sure that the antenna cable is properly connected to the product.
- Check the brightness level of the TV.
- Check if the channel is currently on air. Contact the broadcaster to ensure that the channel is running.
- Press the SOURCE button if the product is in external input mode.

3. Poor picture/sound quality

- Install the antenna in an obstacle-free place.
- Make sure there is no mobile phone or microwave oven near the product.
- Adjust the antenna direction to get the better picture.
- Set the antenna power in menu to On, if you use the active antenna to improve the reception. (where applicable)

4. No or poor sound

- Check that your AV cable is connected correctly.
- Check the volume levels of your TV set and the product.
- Check if the product or TV is on mute.
- Check audio type or soundtrack option in the AV menu.

5. Remote control does not operate.

- To control the product, the top end of the remote control should point directly towards the receiving part of the product.
- Remove and reinsert the batteries in the remote control.
- Replace the batteries in the remote control for a new set.
- Set the remote control from TV mode to DTV mode, if you use the universal remote control.

6. Cannot make reservations.

- Check that no previous reservations are conflicting with the new reservation.
- Check that the product is switched on at the time of the reservation.

7. No password information is given.

- The default password is always 0000.

8. Channel search does not work.

- Make sure that the antenna is connected correctly.
- Use the appropriate antenna capable of receiving VHF or UHF channels for your area.

9. Cannot update new software.

- You can get an update. If the product does not show a message requesting update, that means no software is available.

13. Appendix



10. Cannot watch scrambled channels.

- Check that you have the appropriate CI-Module. Reinsert the CI-Module and make sure it initializes correctly.
- Check in the menu that the product is detecting the CI-Module.
- Check in the menu that you have a valid and working subscription to the channels you wish to view.
- Ensure that the CI-Module is not damaged.

11. Cannot watch pay channels.

- Check in the menu that you have a valid and working subscription to the channels you wish to view.
- Contact your network operator for more information.

12. Cannot record programmes.

- The hard disk is full. Delete unnecessary programmes and make space for new recording.
- Check if recording is overlapped with another channel. Stop the current recording or wait until the recording is finished.

13. Cannot operate the TSR (Time Shifted Recording).

- The TSR may not be available during the recording. Wait until the recording is finished.
- Delete unnecessary programmes and make space for new recording.

14. The product makes a humming noise.

- The noise is from the fan; the hard disk is operating normally. This kind of noise is inevitable but seldomly noticeable.

15. Cannot playback.

- To play back the recorded file of a scrambled channel, use the Smartcard. In case it has been a long time since you last recorded, this may not work. Contact the product distributor.
- The signal during the recording may be weak or the hard disk too full.

16. Cannot change channel while recording.

- Certain channels may not be changed due to restriction of the tuner type.

17. How can I receive new channels?

To receive new channels please perform an Automatic search in the Installation menu and they will be added to the channel list, please refer to the Installation section of your manual. If channels change position you will need to carry out a Default Setting in the Installation menu :

1. Press **MENU** button.
2. Select Installation and press **OK** button.
3. Enter your password (Default = **0000**)
4. Select **Default Setting** and press **OK** button.
5. Select **YES** and press **OK** button.
6. Enter your password (Default = **0000**)

Note: The receiver will then restart and search for the channels again.

Important: When you carry out a Default setting no information on your HDD (recordings) will be removed. You will need to setup any schedules and any Favourites list you have created.

18. There is picture but no sound on my PVR.

- Make sure the volume on the PVR and TV is up. Check that the PVR and the TV are not set to Mute. Make sure that the Scart cable to the TV set is connected to the "TV" scart connection on the back of the PVR.

19. My remote control does not have all of the functions that are displayed in the User Manual.

- The PVR remote has a slide down section on the bottom third of the remote where additional buttons are available.



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20. When I try to edit a recording I am unable to use the 6 function buttons on the bottom left of the screen.

- To use these buttons press the PAUSE button on the remote control, then use the arrows to navigate to the function buttons.

21. I am trying to download the software via my PC but it will not start.

- When you receive the message "Waiting for Humax connection" on your PC, make sure that the cables from the PC to the PVR are connected, and then power the PVR on from the rear ON/OFF switch.

22. I get a message "E-OS" (or E-05) on the front display every morning.

- This message will appear when the PVR has tried to download the software automatically but the download has been corrupt or failed. To resolve the issue see the instructions on how to carry out a Default Setting. When the update is released again the PVR will update automatically.

23. The Installation menu is greyed out when I access the menu.

- It is not possible to access the Installation menu when you are playing back a recording or when a recording is in progress. You will need to stop the playback/recording to access the menu.

24. When I switch my PVR on I receive the E-AC error message.

- This error is caused by corrupt Application software; see the Software Download section for more information.

25. When I access the menu I no longer have a record icon in the menu, instead the menu options start with Preferences and Games appear at the bottom?

- When the recording icon does not appear in the menu then the HDD has not initialised on start-up. Power off the PVR from the rear ON/OFF switch for 2 minutes and then power on again. If the record option is still no longer available please contact the Customer Helpline.

26. How do I change channels on the PVR?

There are several ways to change channels, see the Channel Change instructions for more information:

1. Enter the channel number using the numeric keypad on the remote control.
2. Using the **CH+** and **CH-** buttons on the remote.
3. Press the **OK** or **LIST** button on the remote to display the channel list, use the **▲** or **▼** arrows to navigate through the list, press **OK** to change to the channel you require

27. The Time on my PVR is not correct.

- Go to MENU → PREFERENCES → TIME SETTINGS menu and change the GMT OFFSET in 1 hour intervals until the correct time is displayed. If the time is only several minutes incorrect then this may be an issue from the transmitter as the time is detected from the Digital Signal.

28. When my PVR is connected I am not able to receive any/all of the channels on my TV.

- Check that you have a RF (coaxial) cable connected from the TV/VCR output on the PVR to the aerial input of your TV set.
- If the problem is experienced when the PVR-9150T is placed in Standby mode, then please access MENU → PREFERENCES → MISCELLANEOUS SETTINGS → POWER SAVING IN STANDBY - switch this option OFF so that the signal will be passed through to the TV when in Standby mode.

29. My EPG takes a long time to load each time I switch the PVR on.

- The PVR does not store the EPG information in standby or powered off, instead it refreshes the information each time you switch on. The time take to populate all of the information may depend on the channel you are tuned to, it is recommended to go to BBC 1 where the information will be downloaded quicker.

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30. I receive the message “Antenna Power has short-circuited”.

- To resolve this problem please access MENU → INSTALLATION (enter your password as 0000 if you have not changed it), then switch the Antenna Power option to OFF, finally Exit the menu and the message will no longer be displayed.

31. How to I receive new channels?

There are 2 ways to receive new channels:

- Carry out an **Automatic Search** (instructions)
- Carry out a **Default Setting** (instructions)

32. I have received Analogue channels on my existing TV without problems but I am not receiving any/all of the Digital channels?

- The Analogue and Digital channels will not be sent in the same manner and at times will be sent from different transmitters. You cannot compare the Analogue channels signal/quality to the Digital channels. Please check that you are in a Freeview coverage area (www.dtg.org.uk or www.freeview.co.uk). You may be required to have your existing aerial upgraded to receive digital channels.

33. When I press the TEXT or RED button the digital Teletext/Interactive menu does not appear?

Follow the steps below:

- Check if the facility is working on a different channel and then try the channel you wish to use
- Press GUIDE or MENU and then EXIT and then after 10 seconds try to function again
- Power off the PVR for 30 seconds and then restart it and try the facility again

34. I am unable to access the EPG when I am playing back a recording

- The EPG is not available when playing a recording, stop the recording and go to a live TV channel where you will be able to access the EPG

35. When I try to playback a recording I am unable to see it on the full screen, instead it only plays back in the small thumbnail at the top of the screen.

- When you access the Recorded Programmes menu and press play on the recording you wish to view, press the EXIT button on the remote control to see the recording on the full screen.

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13.3 Error Message

Error message	Possible causes	What to do
No or bad signal	The aerial is not pointing properly.	Adjust aerial. Check the cable from the aerial. If you cannot resolve the problem, you may need to have your aerial and installation tested by a professional.
The channel is scrambled or not available.	The channel has signal, but no audio or video. The channel is deleted by the broadcasting company. The channel is for data broadcasting. (Cannot watch the channel in usual way.)	Check if the channel is currently on air.
The audio is not available.	The channel has signal, but no audio.	Press the SOUNDTRACK button to check if the channel has audio.
CI-Module is not installed./ Invalid CI-Module	CI-Module is not installed. CI-Module is not properly inserted. CI-Module is broken.	Install proper CI-Module. Pull out the CI-Module and plug it in. Replace CI-Module.

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13.4. Specification

Tuner & Channel	
Input Connector	IEC 169-2 female
Frequency Range	470 MHz to 858 MHz
Signal Level	-70 to -10 dBm
Demodulation	OFDM
Mode	2K, 8K
FEC mode	1/2, 2/3, 3/4, 5/6 & 7/8
Guard Intervals	1/4, 1/8, 1/16 & 1/32
MPEG Transport Stream A/V Decoding	
Transport Stream	MPEG-2 ISO/IEC 13818
Profile Level	MPEG2 MP@ML
Input Rate	15 Mbit/s Max
Aspect Ratio	4:3, 16:9
Video Resolution	720 x 576
Audio Decoding	MPEG/MusiCam Layer I & II
Audio Mode	Single /Dual mono/ Stereo /Joint stereo
A/V & Data In/Out	
Video	TV SCART/VCR SCART Video Output (CVBS, S-Video, RGB)
Audio L/R	TV SCART/VCR SCART Volume and Mute Control (Resolution:20bits DAC, MAX. 2Vrms)
RS-232C	9 PIN Male Socket
Power Supply	
Input Voltage	90-250V a.c., 50/60Hz
Type	Switching Mode Power Supply (SMPS)
Power Consumption	Operation - Max 26W Power Saving in Standby - 0.9W
Protection	Separate internal fuse & Lightning protection

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Physical Specification	
Size	360 mm x 50 mm x 245 mm
Weight (Net)	2.9kg
Operating Temperature	0 °C to +45 °C
Storage Temperature	-10 °C to +70 °C

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13.5 Glossary

1. Aerial

A device that collects and amplifies electromagnetic waves. Also called “Antenna”

2. Coaxial cable

A specially designed and shields cable that can transport signals with high frequency

3. Frequency

The property of a signal measured in cycles per second (=Hz).

4. FTA (Free- To-Air)

An unscrambled broadcast allowing customers to view channels or services without paying any subscription.

5. HDD (Hard Disk Drive)

The primary computer storage medium, which is made of one or more aluminum or glass platters, coated with a ferromagnetic material

6. MUX

The transmitter/frequency/channel where the programme provider/operator transmit a package of digital channels/services. Usually there are several MUX frequencies with different or same content.

7. Network

The collection of channels/services that a programme provider/operator offer. These services may be transmitted from one or several MUXes. In the transmitted data stream the operator may transmit a service information table(network information) that informs the Product about all available services in the network.

8. OSD (On Screen Display)

OSD displays the basic information necessary for the users to configure monitor or TV settings. OSD information may include brightness, contrast, tuning, RGB adjustment, and screen size and position

9. OTA (Over The Air)

A standard for the transmission of software for equipment, through a broadcast system. Manufacturers reserve the right for deciding the release of the software for their products.

10. PIP (Picture In Picture)

A function that allows you to display 2 different TV channels (or TV inputs) on one screen.

11. PVR (Personal Video Recorder)

Video recorder that can record and play back programmes directly using the embedded hard disk drive(s).

12. RF (Radio Frequency)

Television signals are modulated onto RF signals and are then demodulated by your television's or STB's tuner.

13. SCART

A 21-pin connector standard to connect two pieces of Audio-Visual equipment such as a TV and a VCR. Each device will have a 21-pin female connection; a cable with male connection at both ends is used for connecting the devices.

14. S/PDIF (Sony/Philips Digital Interface format)

A standard format for the transfer of digital audio signals. It allows the transfer of digital audio between two devices without any conversion to and from analogue, which could degrade the signal quality.

15. Trick-Play

Pause, Fast Forward/Fast Rewind, Slow Motion, Instant Replay, Commercial Skip, Repeat A-B.

16. TSR (Time Shifted Recording)

A function that record the present programme temporarily to support trick-play.

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13.6 Service and Support

You can get information such as a troubleshooting guide, software upgrades and product support guide from the following web sites and call center (Hotline).

Important: in the UK we want customers to contact our Helpline and NOT go to the retailers.

UK

Tel: 0870 247 8800
Opening Hours: Mon-Fri 09:00-18:00 (excludes Bank Holidays)
E-mail: uksupport@humax-digital.co.uk
Website: www.humax-digital.co.uk
Language: English

Deutschland

Tel: 01805-778870 (€ 0,14/Min)
Öffnungszeiten: Mo-Fr 8:00-23:00 Uhr, Sa-So. 8-20 Uhr
E-mail: support@humax-digital.de
Website: www.humax-digital.de
Sprache: Deutsch/English/Turkish

Australia

Tel: 1800 613 011
Opening Hours: Mon- Fri 9:00-17:30
E-mail: techinfoau@humaxdigital.com
Website: www.humaxdigital.com/australia
Language: English

Italia

Tel: 899 100 080 (€1+ VAT/min)
Orario: Lun.-Ven. 8:00-18:00
Mon-Fri 8:00-18:00
Lingua: Italiano

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Sverige

Tfn: +46 (0)550 85527
Öppettider: Mån-fre 08:00-16:30
Språk: Svenska/engelska

Suomi

Puh: 09 56186366
Aukioloajat: ma-pe 8:00-16:00
Kieli: suomi/englanti

Austria

Tel: 0820 400675 (€0,14/min)
Opening Hours: Mon-Sun 8:00-23:00
E-mail: support@humax-digital.de
Website: www.humax-digital.de
Language: Deutsch/English/Turkish

Note: For hardware repair, please visit our website.



ROHS/MANUAL/PVR9150T/300GB(UK)



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