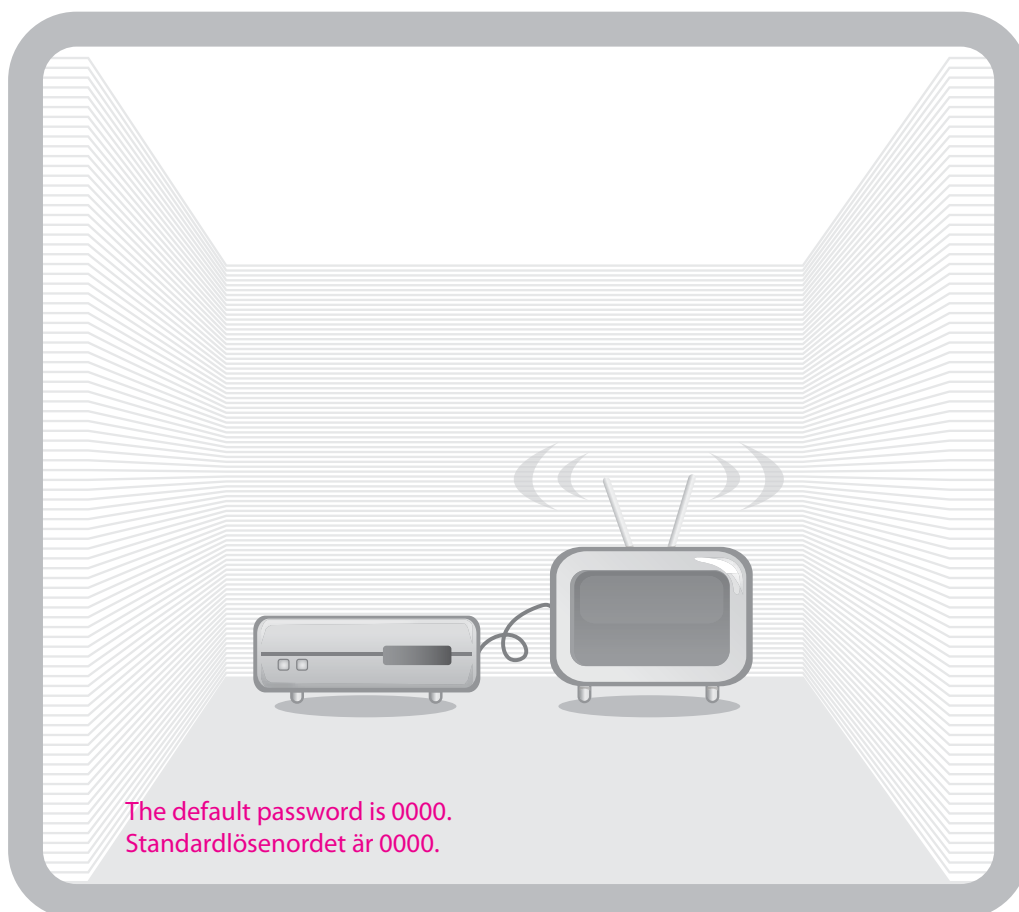

HD Digital Recorder
HD-PVR



User's Manual /Användarmanual

HDPVR-1000C

HUMAX
EASY DIGITAL

Notice



Thank you for purchasing a HUMAX product. Please read this user's manual carefully to be able to safely install, use and maintain the product at maximum performance. Keep this user's manual next to your product for future reference. The information in this user's manual is subject to change without notice.

Copyright (Copyright © 2008 HUMAX Corporation)

Not to be copied, used or translated in part or whole without HUMAX's prior consent in writing except approval of ownership of copyright and copyright law.

Warranty

The warranty does not cover parts which may become defective due to misuse of the information contained in this manual.

Trademarks

- Conax is a trademark of Telenor Conax AS.
 - Manufactured under license from Dolby Laboratories.
- 'Dolby' and the double-D symbol are trademarks of Dolby Laboratories.

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

Notice



Warnings, Cautions and Notes

Throughout the whole manual, pay special attention to the following marks that indicate hazardous situations.

- **Warning**
Indicates a hazardous situation which could result in serious injury.
- **Caution**
Indicates a situation which could damage the equipment or other apparatus.
- **Note**
Indicates additional information to make the user aware of possible problems and information of any importance to help understand, use and maintain the installation.

Meaning of Symbols



To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.



This symbol indicates **dangerous voltage** inside the product that presents a risk of electric shock or personal injury.



This symbol indicates important instructions accompanying the product.

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.

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. LIQUID

- 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 CABLE TV SIGNAL

- Connect all components before plugging any power cords into the wall outlet. Always turn off the product, TV and other components before you connect or disconnect any cables.

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.

Safety Warning



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.

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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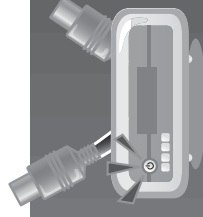
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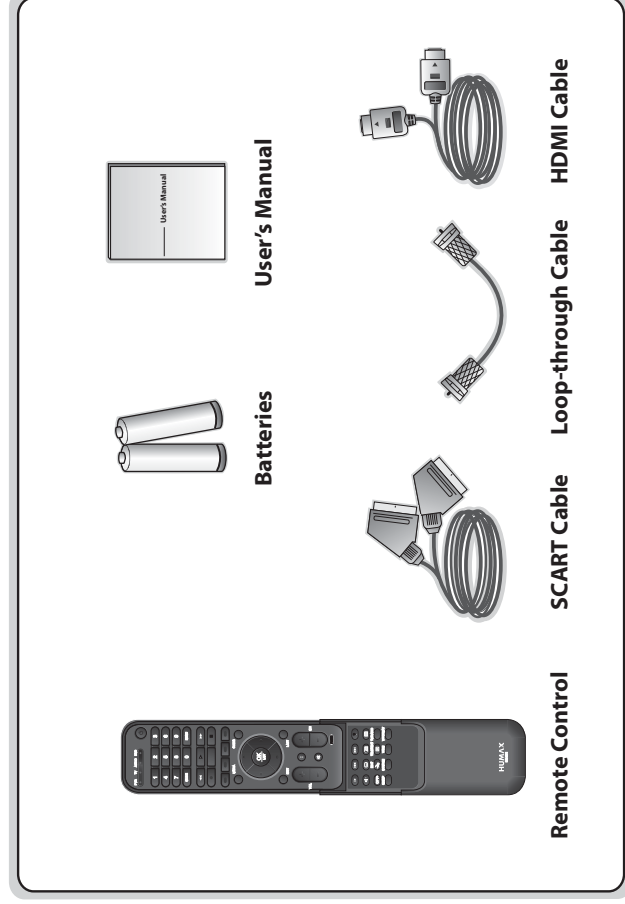
1. Before Using the Product



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

1.1 Package Contents

Please check all package contents before using your product.



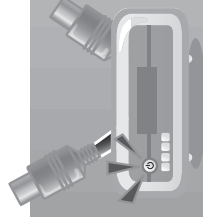
Note:

- Faults may occur if the remote control is left without battery for a long time. Always keep the battery inserted in the remote control.
- Package contents may vary according to area.

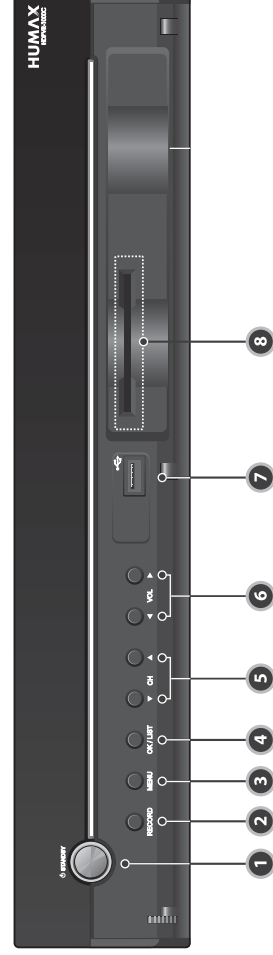
Caution:

- The company shall not be liable for problems caused by changing hard disk drive by user.
- The company shall not be liable for problems caused by the installation of hard disks bigger than 320GB.

1. Before Using the Product



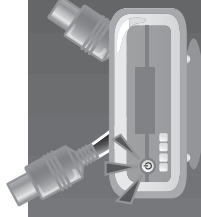
1.2 Front Panel



- 1. STANDBY BUTTON**
Switches between operation and standby modes.
- 2. RECORD BUTTON**
Records programme.
- 3. MENU BUTTON**
Displays the menu.
- 4. OK/LIST BUTTON**
Confirms the selected operation or displays the channel list in normal viewing mode.
- 5. CH-/CH+ BUTTON**
Moves the TV/radio channel up or down.
- 6. VOL-/VOL+ BUTTON**
Adjusts the audio volume.
- 7. USB Host**
Connect to the USB memory or external HDD.
- 8. SMARTCARD SLOT**
A slot for a Smartcard.

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

1. Before Using the Product



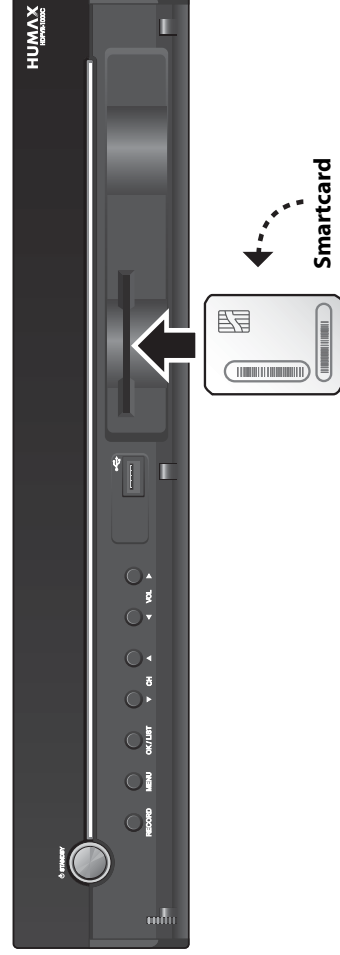
1.3 Conditional Access

Although some TV and radio services are free to air, others are available on a subscription basis and can only be enjoyed via a Conditional Access component. The Conditional Access component is a removable Smartcard.

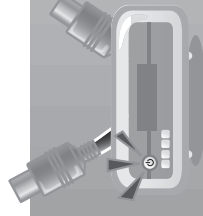
1. Inserting the Smartcard

The Smartcard looks similar to a credit card and is inserted into the slot behind the right-hand front flap of the product. A valid Smartcard entitles you to view and listen to all the channels you choose to subscribe to. The Smartcard slot on the product can be used for CONAX Smartcard only.

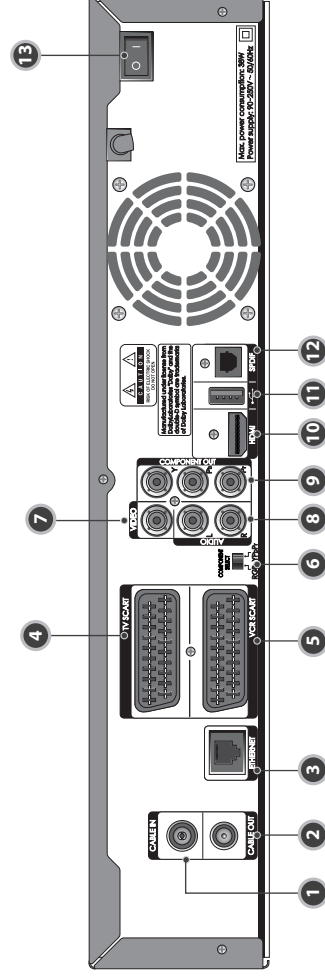
1. Open the flap on the front panel of the product to expose the card slot.
2. Hold the Smartcard horizontally with the electronic chip (small square-shaped, gold in colour) facing upwards.
3. Insert the Smartcard into the slot.



1. Before Using the Product



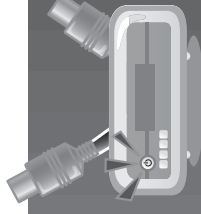
1.4 Rear Panel



- 1. CABLE IN**
Connects an antenna cable.
- 2. CABLE OUT (TV/VCR or LOOP OUT)**
Connects to the RF IN of the TV or VCR using an RF cable.
- 3. ETHERNET**
Ethernet port (for future use).
- 4. TV SCART**
Connects to the TV using a TV SCART cable.
- 5. VCR SCART**
Connects to the VCR or DVD using a VCR SCART cable.
- 6. COMPONENT SELECT**
Switch for changing video. (default: YPbPr)
- 7. VIDEO**
Connects to the TV or VCR using an RCA cable.
- 8. AUDIO**
Connects to the TV or VCR using an RCA cable.
- 9. COMPONENT (YPbPr)**
Connects to the TV or VCR using a component cable.
- 10. HDMI**
Connects to the TV using an HDMI cable.
- 11. USB Host**
Connects to the USB memory or external HDD.
- 12. S/PDIF**
Connects to the audio system using an S/PDIF cable. (digital audio)
- 13. ON/OFF**
Powers on/off.

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

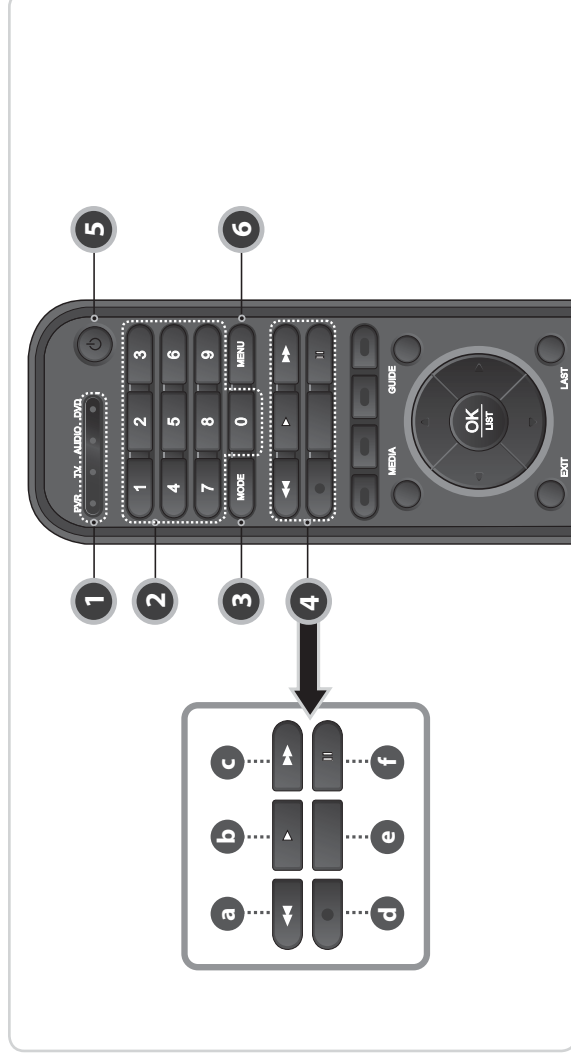
1. Before Using the Product



1.5 Remote Control

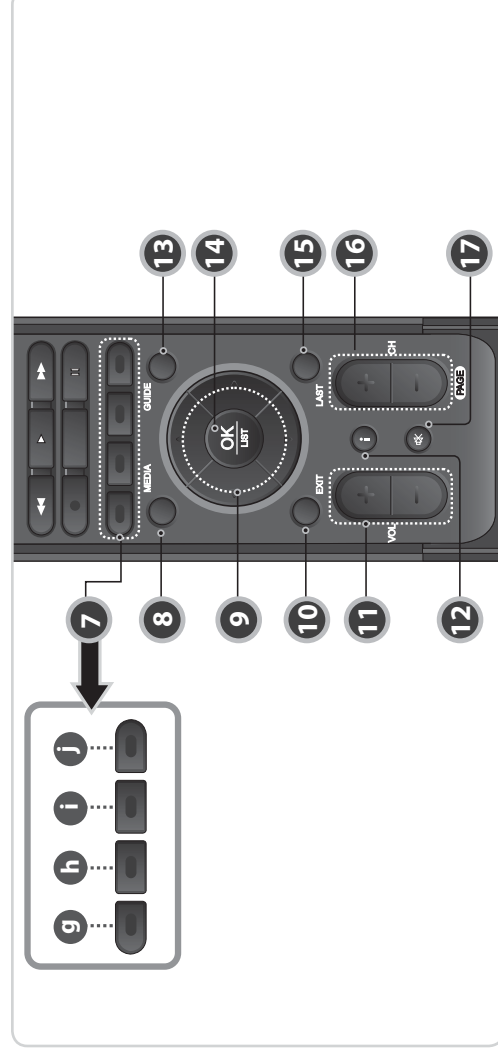
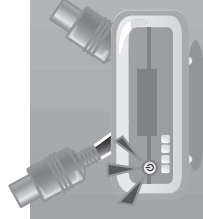
Note:

- The remote control of the product is subject to change without notice.
- This remote control can also control your TV, DVD and audio. To set the remote control for your TV, DVD and audio, please refer to **14.7 Remote Control Code List**.



- 1. Universal LED**
Displays the operation mode of each device.
- 2. NUMERIC(0-9) BUTTONS**
Enters a TV/radio channel number or menu option number.
- 3. MODE**
Changes the mode from PVR, TV, audio and DVD.
- 4. 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. STOP**
Stops a recording or goes to the live programme.
 - f. PAUSE**
Pauses the live programme or recording.
- 5. STANDBY**
Switches between operation and standby modes.
- 6. MENU**
Displays the main menu.

1. Before Using the Product



7. COLOUR BUTTONS

- g. RED**
Displays the channel list in normal viewing mode.
- h. GREEN**
Displays the favourite channel list in normal viewing mode.
- i. YELLOW**
Displays the HD channel list in normal viewing mode.
- j. BLUE**
Displays the history channel list in normal viewing mode.
- 8. MEDIA**
Displays the media list.
- 9. ARROW BUTTONS**
Navigates through the menu options.
- 10. EXIT**
Exits all On-Screen Display (OSD) screens.

11. VOL+/VOL-

Adjusts the audio volume.

12. i (INFORMATION)

Displays the channel and programme information.

13. GUIDE

Displays the programme guide.

14. OK/LIST

Selects a menu or confirms the selected operation. Displays the channel list while watching a programme.

15. LAST

Returns to the previous channel.

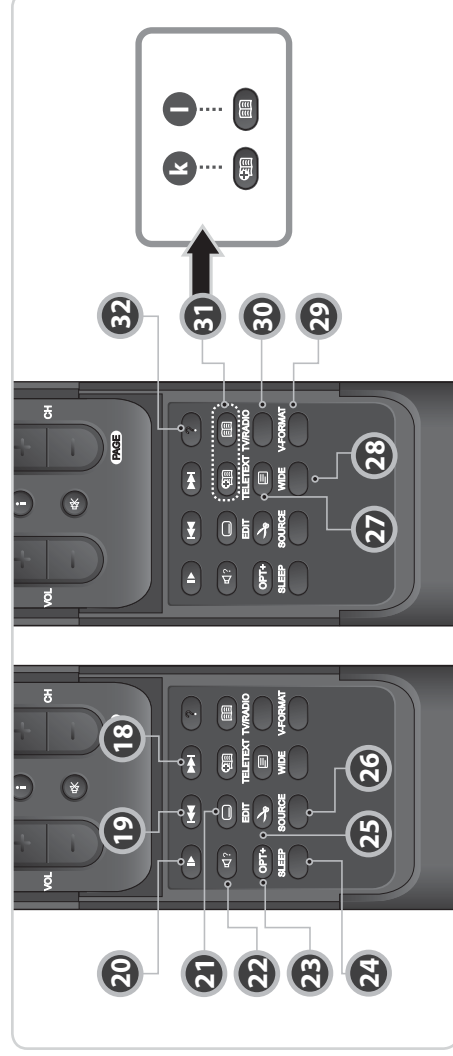
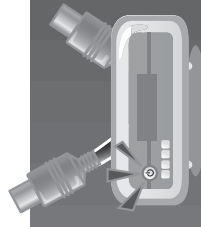
16. CH+/CH-

Changes the channel.

17. MUTE

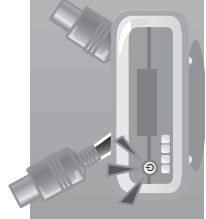
Mutes or unmutes the audio temporarily.

1. Before Using the Product



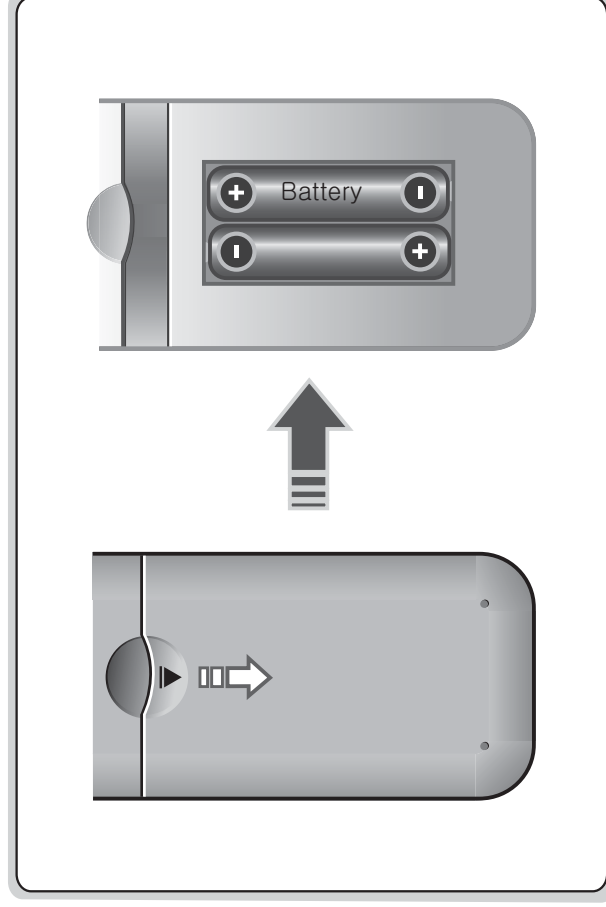
- 18. NEXT**
Goes to the next chapter.
- 19. PREVIOUS**
Goes to the previous chapter.
- 20. SLOW**
Plays the programme in slow motion.
- 21. SUBTITLE**
Displays the subtitle language list.
- 22. AUDIO**
Displays the audio list.
- 23. OPT+**
Select favourites, lock, delete or rename channels.
- 24. SLEEP**
Sets the sleep time.
- 25. EDIT**
Displays the edit screen.
- 26. SOURCE**
Controls the output of TV SCART.
- 27. TELETEXT**
Switches between the teletext and TV modes.
- 28. WIDE**
Sets the display format.
- 29. V-FORMAT**
Changes the resolution of video.
- 30. TV/RADIO**
Switches between TV and radio modes.
- 31. BOOKMARK**
 - k. ADD BOOKMARK**
Saves the current viewing position as a bookmark during playback.
 - I. BOOKMARK LIST**
Displays the list of saved viewing positions during playback.
- 32. ? (Help)**
(Currently not supported)

1. Before Using the Product

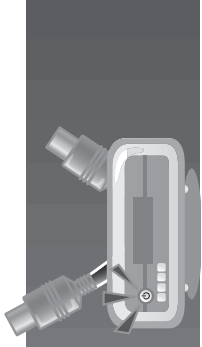


1.6 Remote Control Batteries

1. Press down the top of the battery cover and slide the cover off.
2. Insert the new batteries. Make sure the plus (+) ends meet the plus markings on the battery case.
3. Slide the cover back into place.



2. Setup



This chapter describes how to connect your 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.

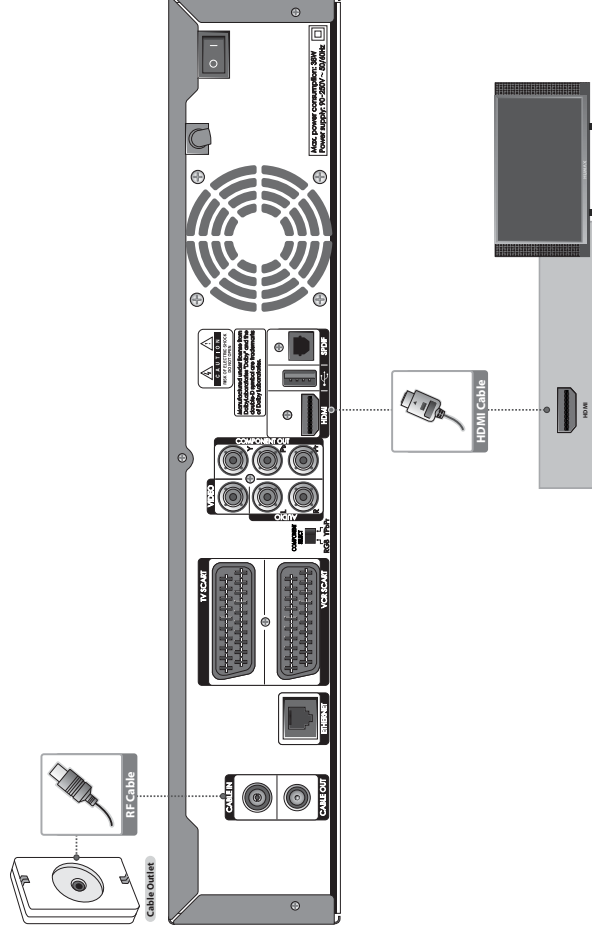
Note:

- If you encounter any problems setting up your product, please contact your local product distributor.
- The rear image of the TV and VCR may differ depending on the manufacturer and model.

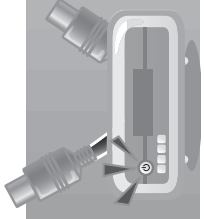
2.1 Using HDMI Cable

The HDMI connection is recommended for Digital TV. In case the TV has an HDMI input connector, a special all-digital interface that provides the highest picture quality, connect the product and the TV using an HDMI cable as follows.

1. Connect your CATV line to the CABLE IN.
2. Connect the product and TV using an HDMI cable.



2. Setup

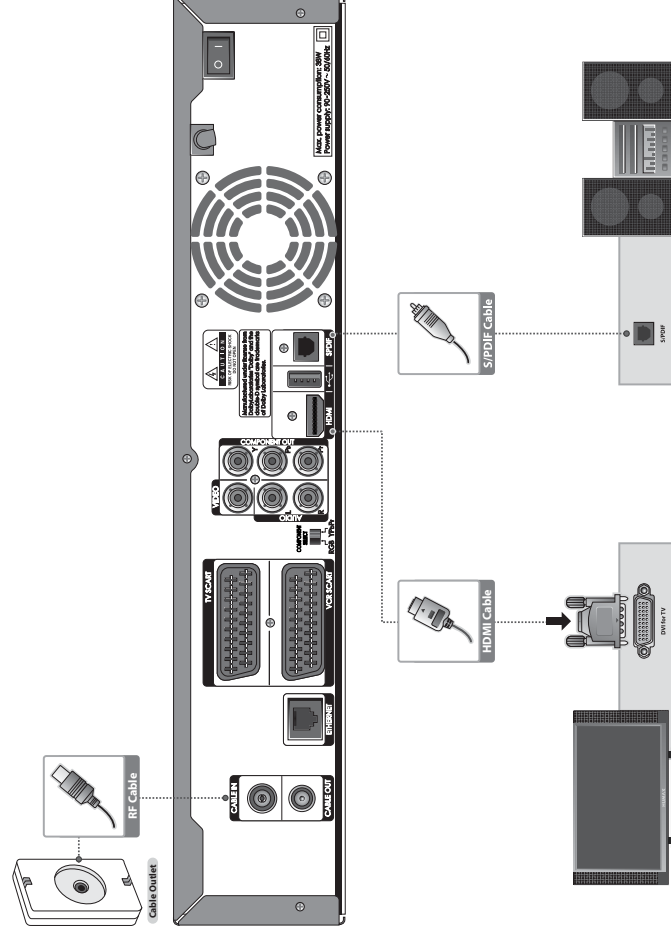


2.2 Using DVI Converter

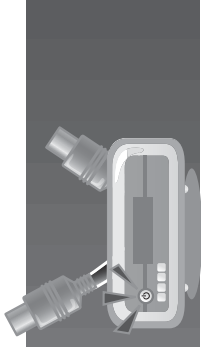
The DVI connection using an HDMI to DVI converter is recommended for Digital TV. In case the TV has a DVI input connector, connect the product to the TV with an HDMI cable using an HDMI to DVI converter as follows.

1. When equipped with an A/V receiver

1. Connect your CATV line to the CABLE IN.
2. Connect one end of the HDMI cable to the HDMI input on the product and the other end to the HDMI to DVI converter.
3. Connect the DVI converter to the TV.
4. Connect the product and the Dolby Digital decoder using an S/PDIF cable.



2. Setup



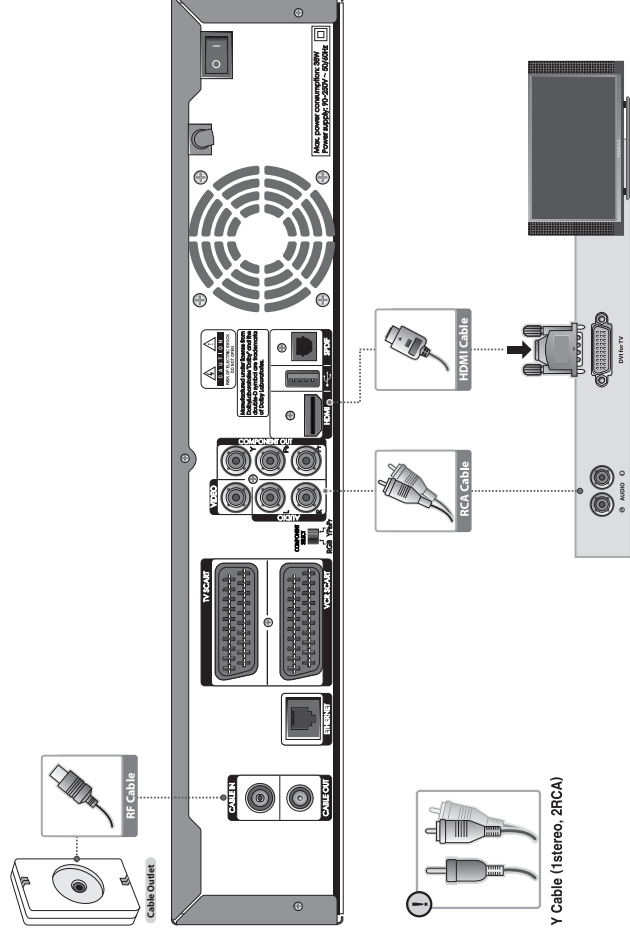
2. When there is no A/V receiver available

In case you are not equipped with an A/V receiver, connect the product and the TV using an audio cable as follows.

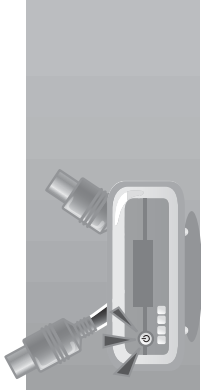
1. Connect your CATV line to the CABLE IN.
2. Connect the product and the TV using an RCA cable.
3. Connect one end of the HDMI cable to the HDMI input on the product and the other end to the HDMI to DVI converter.
4. Connect the DVI converter to the TV.

Note: You can also connect the product to the TV using the 3.5 Stereo Jack Cable to 2 RCA Y Cable.

Caution: DO NOT CONNECT TO HEAD PHONE CONNECTOR ON TV!



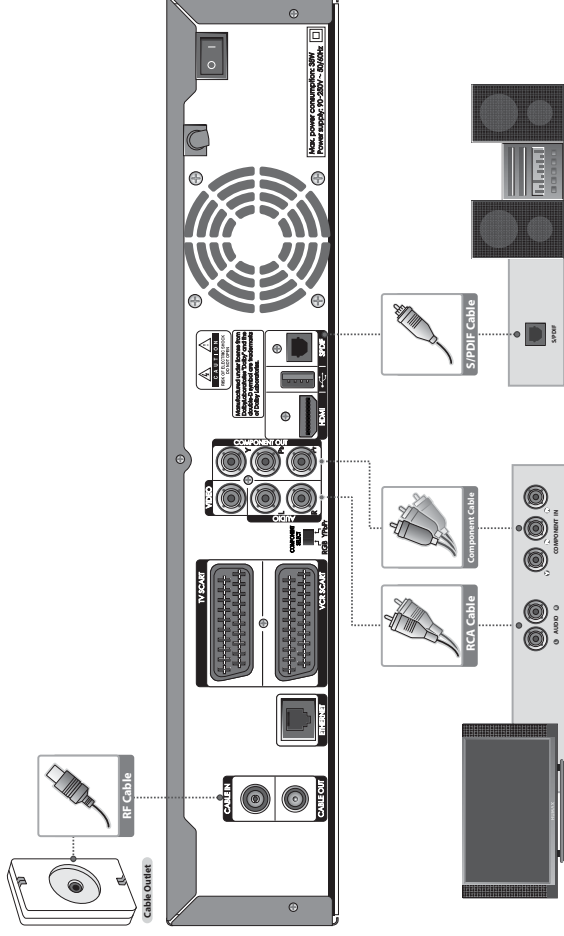
2. Setup



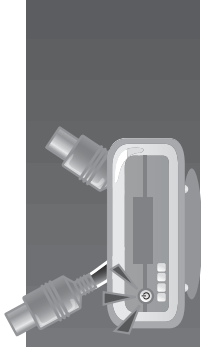
2.3 Using Component Cable

The component connection is recommended for Digital TV. Connect the product and the TV using a component cable as follows.

1. Connect your CATV line to the CABLE IN.
2. Connect the product and the TV using a component cable.
3. You can either:
 - Connect the product and the TV using an RCA cable (Audio L/R).
 - Connect the product and the Dolby Digital decoder using an S/PDIF cable.



2. Setup

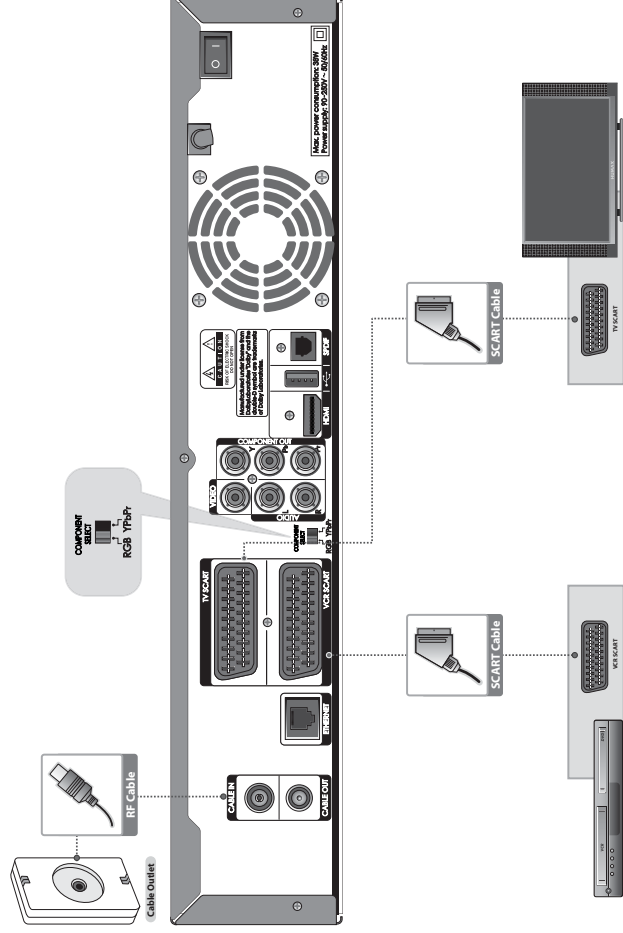


2.4 Using SCART Cable

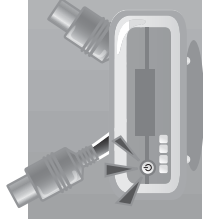
A SCART cable connection is recommended for analogue TV or VCR. Connect the product and the TV using a SCART cable as follows.

1. Connect your CATV line to the CABLE IN.
2. Connect the product and the TV using a SCART cable.
3. Connect the product and the VCR using a SCART cable.

Note: Connecting your TV directly to the audio/video output of the product will assure a more vivid picture and enhance your viewing enjoyment.

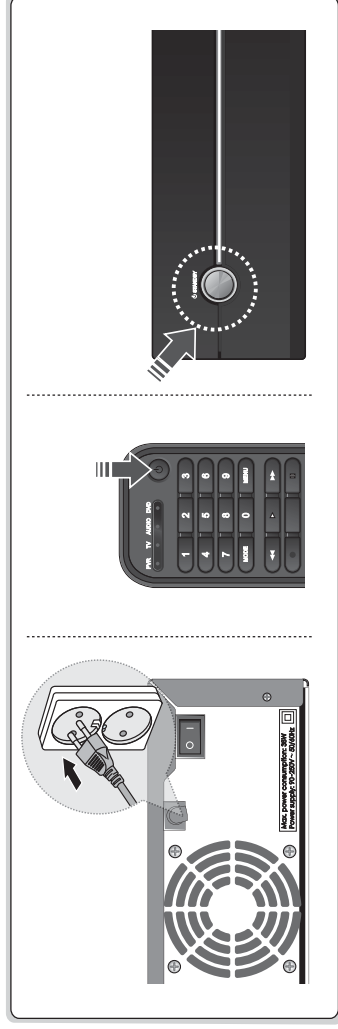


2. Setup

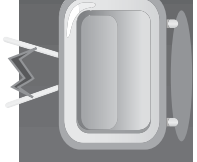


2.5 Powering On

1. Connect the power cord of the product to a wall outlet.
2. Turn on the power switch located at the back left side 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



When powering on your product for the first time after purchase, the installation wizard will operate automatically.

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

3.1 Language

Language allows you to select the main language.

Select the appropriate language from the list. Press the **OK** button to save.



3.2 Search Channels

Search Channels allows you to configure the channel search setting and activate channel search.

1. Select **Frequency** and select the frequency. You can enter the frequency directly using the **NUMERIC(0-9)** buttons.
2. Select **Symbol Rate** and select the symbol rate. You can enter the symbol rate directly using the **NUMERIC(0-9)** buttons.
3. Select **Network ID** and select the network ID. You can enter the network ID directly using the **NUMERIC(0-9)** buttons.
4. Select **Search** and press the **OK** button. The channel search will start.
5. To stop the search, press the **OK** button during channel search.
6. The results will appear. Select **Save** and press the **OK** button.



3. Installation Wizard



3.3 Display

Display enables you to set the screen ratio, display format and resolution of the screen. Select the value for **Screen Ratio**, **Display Format** and **Resolution**.

Select **Next** and press the **OK** button.



3.4 HDD Partition

HDD Partition enables you to view the current status of the Hard Disc Drive (HDD) storage and also format the HDD. View the HDD storage status and select **Next**.

To format the HDD, select **Format HDD** and press the **OK** button. A popup will appear.

Select **Yes** and press the **OK** button. You will be prompted to enter your password. Enter the password and assign the partition size. Select **OK** and press the **OK** button. Select **Next** and press the **OK** button.



3. Installation Wizard



3.5 Result

After all setting is complete, you can view the result screen.

Select **Finish** and press the **OK** button to complete the installation wizard.



3.6 Installation Checklist

Before using the product, please make sure that you have completed the following steps.

Step	Page	Done?
Is the CATV line connected correctly?	GB15	
Is the product connected to your TV?	GB15	
Is the power cord plugged in the wall outlet?	GB20	
Is the power switch located at the back of the product switched on?	GB20	
Is the product in operation mode (not Standby mode)?	GB20	
Have you performed channel search in the installation wizard?	GB21	

Note: If you exit the installation 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 more channels.

4. Basic Operation



This chapter describes the basic functions the product provides such as switching channel, volume control and other common features.

4.1 Switching Channel

You can switch the current channel by pressing the **CH+ / CH-** button or entering the channel number directly using the **NUMERIC(0-9)** buttons. Press the **TV/RADIO** button to switch between TV channels and radio channels.

Note: You can switch channels using the channel list or TV guide. To return to the previous channel, press the **LAST** button.

4.2 Volume Control

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

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



4.3 Resolution

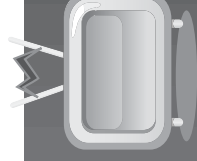
You can set the resolution of the screen.

Press the **V-FORMAT** button while watching a programme. The current resolution will be displayed.

Each time you press the **V-FORMAT** button, the resolution changes in the following sequence:
576i→576p→720p→1080i→Original



4. Basic Operation



4.4 Sleep

You can set the automatic turn off time.

Press the **SLEEP** button while watching a programme to set the sleep time. Each time you press the **SLEEP** button, the sleep time changes in the following sequence: 10, 20, 30, 60, 90, 120 minutes.












4.5 Wide

You can set the display format.

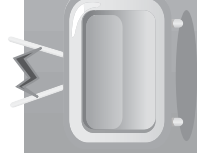
Press the **WIDE** button while watching a programme to change the display format. Each time you press the **WIDE** button, the display format changes.

Note: For more information about display format, refer to **7.5.7 Display Format**.



Screen ratio 4:3		Screen ratio 16:9	
Format	Icon and Text	Format	Icon and Text
Letter Box	Letter Box 	Pillar Box 	Pillar Box 
Pan & Scan	Pan & Scan 	Zoom 	Zoom 
Auto	Auto 	Auto 	Auto 

4. Basic Operation



4.6 Audio

You can select the language you prefer in **Audio** if the current programme is available in multiple audio languages.

1. Press the **AUDIO** button.
2. Select the audio language you prefer.
3. Select audio direction (left, right, stereo) using the **◀/▶** button.

Note: If the programme is broadcast in Dolby Digital, you cannot set the audio direction.



4.7 Subtitle

You can select the language for the subtitle if the programme provides subtitle information.

1. Press the **SUBTITLE** button.
2. Select the required subtitle language and press the **OK** button. The subtitle will be displayed in the selected language at the bottom of the screen.
3. Select **Off** from the subtitle language list to hide the subtitle from the screen.

Note: When there is no subtitle available, **Off** does not appear.



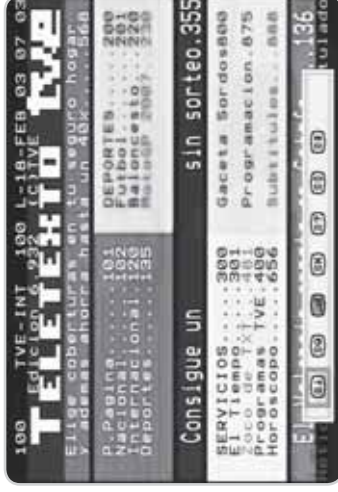
4. Basic Operation



4.8 Teletext

All teletext supporting channels have the teletext icon on the i-plate.

1. Press the **TELETEXT** button.
2. To display the teletext menu, press the **MENU** button in teletext mode.
3. Select the teletext function you want and press the **OK** button.



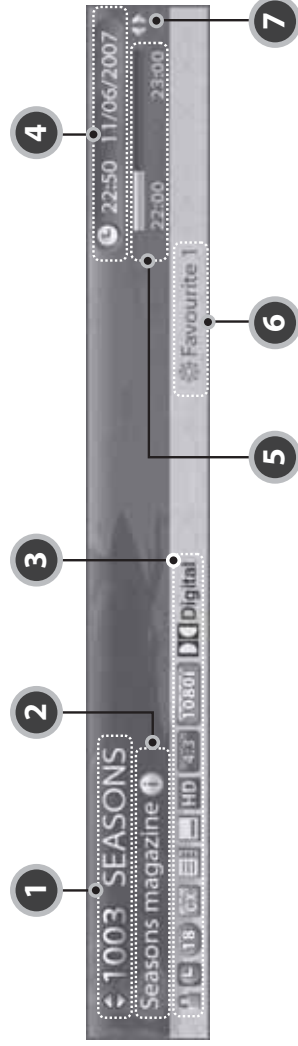
4.9 Programme Information (i-plate)

The i-plate 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.

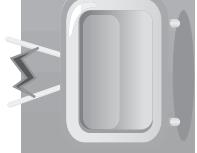
After switching to a channel, press the **◀/▶** button to display navigation mode. Press the **◀/▶** button to view the previous/next programme information. Press the **▲/▼** button to view the programme information of other channels.

1. General Information

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



4. Basic Operation



1. Channel number and name
2. Programme name
3. Icons

	Displayed only when the channel is a locked channel.
	Displayed only if the programme is reserved for recording.
	Represents parental level. Indicates the minimum level of age for viewing the programme.
	Displayed only when the channel is a scrambled channel.
	Displayed only when there is any teletext information.
	Displayed only when subtitle information is available.
	Displayed only when the channel provides HD programmes.
	Displays the screen ratio of the current programme.
	Displays the resolution of the current programme.

Digital Displayed only when the programme is broadcast in Dolby Digital.

4. Current time & date
5. Programme broadcasting time and progress bar: Displays programme playing time and progress bar.
6. Group name: Displays the group the channel belongs to.
7. Previous/Next programme information: Displayed if previous/next programme information is provided. Press the ◀/▶ button to display previous/next programme information.

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

2. Detailed Programme Information

You can see the detailed information about the current programme.

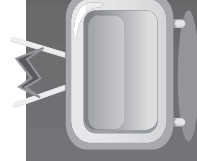
Press the **i** button when the **i**-plate is displayed to view detailed information. Press the **i** button once more to hide the **i**-plate.

Note:

- If the detailed programme information is over one page, use the ▲/▼ button to move to the previous or next page.
- Press the ◀/▶ button to display previous/next programme information.



5. Channel List



This chapter will help you manipulate the channel list. You can display the channel list by pressing the **OK** button while watching a programme.

Six types of channel lists are provided for quick and easy channel search.

My TV (RED)	TV: The list of all TV channels. Radio: The list of all radio channels.
Favourite (GREEN)	The list of the favourite channels in five groups.
HD (YELLOW)	The list of all HD TV channels.
History (BLUE)	Most Viewed: The list of the most viewed channels. Recently Viewed: The list of the recently viewed channels.

Note:

- Press the **EXIT** button to exit the channel list.
- The sub-groups of favourite channel list exist only after configuration.

5.1 My TV List

My TV List is the list of all channels available including both TV and radio channels.

1. Press the **OK** button while watching a programme to display the channel list.
2. Press the **RED** button while the channel list is displayed.
3. Select the channel you wish to view and press the **OK** button. You can also enter the channel number using the **NUMERIC(0-9)** buttons.
4. Press the **RED** button again or use **◀/▶** buttons to change the subgroup.

Note: You can switch between TV and radio by simply pressing the **TV/RADIO** button.



5. Channel List



1. Option

1. Select a channel and press the **OPT+** button.
2. To add the channel to the favourite group, select **Favourite**. Select the group using the **◀/▶** button and press the **OK** button.
3. To lock the channel, select **Lock** and press the **OK** button.

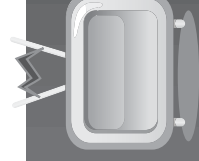


2. Configuration

1. Press the **MENU** button.
2. To display the icon, enable **Show Icon** and press the **OK** button.
3. To display the channel number, enable **Show Channel Number** and press the **OK** button.
4. To close the channel list automatically by pressing the **OK** button, enable **Close automatically** and press the **OK** button.
5. To change the list type, select from **Simple**, **One Column** and **Two Column** and press the **OK** button.



5. Channel List



5.2 Favourite List

Favourite List is the list of the favourite channels you can select yourself from the entire channel list. There are five favourite groups in total.

1. Press the **OK** button while watching a programme.
2. Press the **GREEN** button to display the list of favourite groups.
3. Press the **GREEN** button again and select a favourite group using the ◀/▶ button.



5.3 HD List

HD List is the list of all HD channels.

1. Press the **OK** button while watching a programme.
2. Press the **YELLOW** button to display the HD list.



5. Channel List



5.4 History List

History List is the list of the most or recently watched channels.

1. Press the **OK** button while watching a programme.
2. Press the **BLUE** button to display the history list.
3. Press the **BLUE** button again and select **Most Viewed** and **Recently Viewed** using the ◀/▶ button.



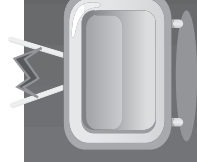
5.5 Pay Per View Channels

You can order programmes in PPV channels. When switching to a PPV channel, information of the programme such as the title, time, or price will appear.

1. Follow the instructions on the screen.
2. If you press the **OK** button, you will be prompted to enter the CA PIN.

Note: When the PPV channel is locked due to maturity lock, you will be prompted to enter the CA PIN. You can change the CA PIN in **10.3 Conditional Access**.

6. TV Guide



The **TV Guide** displays the programme information of each channel, in time and date order. You can customize your own programme guide to list the channels or programmes of interest to you and schedule your viewing using the programme information.

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

6.1 Using TV Guide

You can view the programme information of all channels in time and date order.

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

1. Table Guide

1. Move to the previous/next programme within the same channel using the **◀/▶** button.
2. Move to another channel using the **▲/▼** button. If the contents are more than one page, use the **CH+/CH-** button to skip to the next page. Enter the number of the channel you wish to move using the **NUMERIC(0-9)** buttons.
3. Jump back/ahead two hours using the **FAST REWIND/FAST FORWARD** button.
4. Move to the previous/next day using the **PREVIOUS/NEXT** button.
5. Select the programme you want and press the **OK** button to play the programme in the PIG (Picture in Guide). Press the **OK** button again to view the programme.
6. You can reserve it if it is a future programme. Select a future programme and press the **OK** button to see the reservation popup. Select the reservation mode and repeat frequency.

Record	Reserved for recording.
Watch	Reserved for watching.

7. Select a reserved programme and press the **OK** button to cancel the reservation.
8. Press the **OPT+** button to display the channels of each channel list. Change the channel list using the **◀/▶** button.
9. Press the **WIDE** button to change the length of the time scale in 30, 60, 90, 120 min order.



6. TV Guide



2. Instant Reservation

1. Select a programme in the EPG table and press the **RECORD** button. The selected programme will become reserved and the recording icon will appear immediately.
2. To cancel the reservation, select the programme and press the **STOP** button. The reservation will be canceled immediately.

Note: You cannot reserve new programmes when the HDD is already full. Please delete another recorded programme.

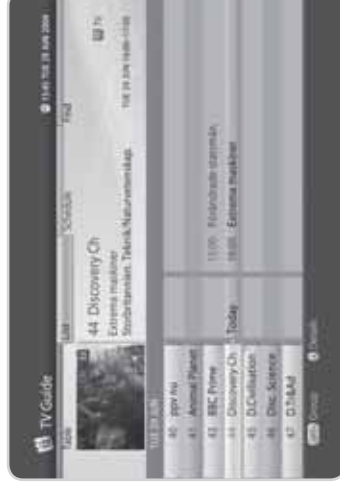
6.2 EPG List

EPG List displays the programme information for approximately a week. The features are similar as in EPG table.

1. Press the **GUIDE** button.
2. Press the **GREEN** button to switch to EPG list.

Note:

- Press the **TV/RADIO** button to switch to TV or radio.
- You can reserve the programme after viewing the programme information.



6.3 Schedule

Schedule displays the list of the programmes reserved. You can modify, delete or make new reservations.

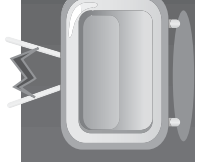
1. Press the **GUIDE** button.
2. Press the **YELLOW** button to display the schedule of reservations.
3. Press the **YELLOW** button again to switch from watching list to recording list.

Note:

- Press the **LAST** button to sort the list in time or alphabetical order.
- Press the **TV/RADIO** button to switch to TV or radio list.



6. TV Guide



1. Editing Reservations

1. Select a reservation you want to edit and press the **OK** button. The reservation popup will appear.
2. Select **Channel** and press the **OK** button to display the channel list. Select the channel.
3. Select **Date** and press the **OK** button to view the calendar. Select the date.
4. Select **Start Time** or **End Time** and enter the time using the **NUMERIC(0-9)** buttons.
5. Select **Repeat** and change the repeat frequency using the **◀/▶** button.
6. Select **Mode** and switch from **Record** to **Watch**.
7. Select **OK** and press the **OK** button.



2. Deleting Reservations

1. Select a reservation you want to delete.
2. Press the **OPT+** button to delete the reservation.

3. New Reservation

1. Select a blank space and press the **OK** button.
2. The reservation popup will appear. Enter the channel number, date, start/end time, repeat frequency and mode and then press the **OK** button.

Note:

- Reservations for deleted channels or past programmes are automatically deleted.
- In case the channel number has changed, reservation has to be done again.



6. TV Guide



6.4 Find

Find enables you to find the programme you want by entering the genre, name, time and day of the programme.

1. Press the **GUIDE** button.
2. Press the **BLUE** button to find programme.
3. Enter the keyword, genre, time & day of the programme and select **Search** and then press the **OK** button.

1. Search by Keyword

1. Press the **OK** button while the cursor is on **Keyword**.
2. A keyboard will appear. Enter the keyword.
3. Select **Language** and choose the language of the keyword.
4. Select **SMS** to switch to SMS keyboard.
5. Press the **YELLOW** button to complete.

Note: Press the **LAST** button to display seven of the most recent keywords that have been entered.

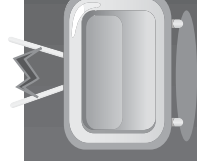


2. Search by Genre

1. Press the **OK** button while the cursor is on **Genre**.
2. The list of genres will appear. Select a genre and press the **OK** button.



6. TV Guide



3. Search by Time and Day

1. Press the **OK** button while the cursor is on **Time & Day**.
2. The time & day popup will appear. Select the time and day using the **OK** and **◀/▶** button.
3. Select **OK** and press the **OK** button.



4. Search Result

1. Select **Search** and press the **OK** button to proceed.
2. The search result of the entered values will appear.
3. To reserve a programme, select a future programme and press the **OK** button.



7. Preferences



In this chapter you can set parental control, language setting, time setting, media setting, A/V setting and other configuration items to keep limitations where you want them for the viewers.

Note: Press the **EXIT** button to save the changes and return to the previous menu. Press the **MENU** button to exit the menu screen.

7.1 Parental Control

Parental Control allows you to set rating limits for each programme according to the age of the viewer or change your previous password. You can also lock the changes you have made using installation lock.

Tip: The default password is **0000**.

1. Press the **MENU** button.
2. Select **Preferences** using the **▲/▼** button and press the **OK** button.
3. Select **Parental Control** using the **▲/▼** button and press the **OK** button.
4. You will be prompted to enter your password. Enter the password using the **NUMERIC(0-9)** buttons.



1. Age Limit

Age Limit enables you to place certain restrictions on the viewers by setting age limits. The password is required to view the blocked programmes.

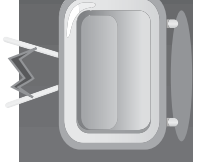
1. Select **Age Limit** and press the **OK** button.
2. Select the age limit you wish to set.

View All	All programmes can be watched. (No age limitation)
7, 12, 15, 18	Programmes are blocked for children under the age 7, 12, 15, 18.
Lock All	All programmes are blocked.

Note: You must enter your password to watch programmes blocked by the age restriction.



7. Preferences



2. Change Password

Change Password allows you to change the current password.

1. Select **Change Password** and press the **OK** button.
2. Enter the password in **New Password** using the **NUMERIC(0-9)** buttons.
3. Enter the password again in **Verify Password** to confirm.



3. Installation Lock

Installation Lock allows you to block access to the installation menu settings you have previously made.

1. Select **Installation Lock**.
2. Select **Enable** or **Disable** using the **OK** or **◀/▶** button.

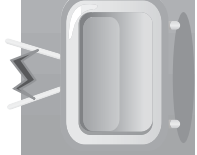
4. CA-PIN for Reservation

When reserving programmes that are locked by parental control, the CA-PIN is required. Enable this menu and enter the CA-PIN to assure the CA-PIN is asked when watching the recorded programme.

1. Select **CA-PIN for Reservation** and press the **OK** button.
2. Enter the CA-PIN to enable.

Note: If this option is disabled, recording may not operate properly.

7. Preferences



7.2 Language Setting

Language Setting enables you to set the basic language and subtitle options such as menu language, audio language, subtitle language, subtitle display and subtitle font.

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



1. Menu Language

Menu Language is the language for all menus and OSD screens.

1. Select **Menu Language** and press the **OK** button.
2. Select the language you want and press the **OK** button.

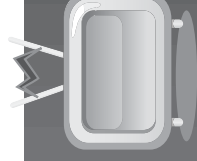


2. Audio Language

Audio Language is the audio language that is selected automatically when the channel is changed.

1. Select **Audio Language** and press the **OK** button.
2. Select the audio language you want and press the **OK** button.

7. Preferences



3. Subtitle Language

Subtitle Language is the subtitle language that is selected automatically when the channel is changed.

1. Select **Subtitle Language** and press the **OK** button.
2. Select the subtitle language you want and press the **OK** button.

4. Subtitle Display

Subtitle Display allows you to display the subtitle automatically. This service is provided when subtitles are available.

1. Select **Subtitle Display**.
2. Select **Auto** or **Manual** using the **OK** or **◀/▶** button.

Auto	Subtitles are displayed automatically in the predefined subtitle language.
Manual	Subtitles are displayed only when you press the SUBTITLE button and set subtitle.

5. Subtitle Font

Subtitle Font enables you to select the font of the subtitle.

1. Select **Subtitle Font**.
2. Select **Variable** or **Fixed** using the **OK** or **◀/▶** button.

Variable	Uses the horizontally variable subtitle font of the on-screen display.
Fixed	Uses the fixed subtitle font as in teletext.

7. Preferences



7.3 Time Setting

Time Setting allows you to set the current time and set the time you want to turn the product on or off.

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



1. Power ON

You can set the time the product turns on automatically.

1. Select **Power ON**.
2. Enter the powering on time using the **NUMERIC(0-9)** buttons or select **Disable** using the **OK** or **◀/▶** button.

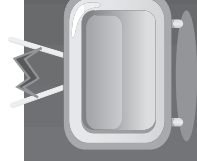


2. Power ON Channel

You can select the channel to watch when the product turns on at the preset wakeup time.

1. Select **Power ON Channel** and press the **OK** button to display the channel list.
2. Select the channel and press the **OK** button.

7. Preferences



3. Power OFF

You can select the time the product turns off automatically.

1. Select **Power OFF**.
2. Enter the powering off time using the **NUMERIC(0-9)** buttons or select **Disable** using the **OK** or **◀/▶** button.

4. System Update Time

You can set the time the system automatically updates. If you select **Disable**, system update will not occur.

1. Select **System Update Time** and press the **OK** button.
2. Select the system update time using the **◀/▶** or **NUMERIC(0-9)** buttons.

7. Preferences



7.4 Media Setting

Tip: The default password is **0000**.

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



1. HDD Control

You can format the video/radio partition, music/photo partition or the hard disk drive.

1. Select **HDD Control** and press the **OK** button
2. To format the video/radio partition, select **Format Video/Radio Partition** and press the **OK** button. Enter the password to proceed.
3. To format the music/photo partition, select **Format Music/Photo Partition** and press the **OK** button. Enter the password to proceed.
4. To format the hard disk drive, select **Format HDD** and press the **OK** button. Enter the password and assign the partition size using the **◀/▶** button. Select **OK** and press the **OK** button.



2. USB Control

You can format the USB storage.

1. Select **USB Control** and press the **OK** button
2. To format the USB storage, select **Delete all files** and press the **OK** button. A popup will appear. Select **Yes** and press the **OK** button. You will be prompted to enter your password. Enter the password using the **NUMERIC(0-9)** buttons.

7. Preferences



3. Recording Options

You can set the recording padding time in case the recording starts earlier or ends later than scheduled.

1. Select **Start/End Padding** and press the **OK** button.
2. Select the padding time using the **OK** or **◀/▶** button.



7. Preferences



7.5 A/V Setting

You can configure the audio and video output settings.

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



1. TV SCART

You can select the TV SCART output option.

1. Select **TV SCART** and press the **OK** button.
2. Select among **CVBS**, **S-Video** and **RGB** and press the **OK** button.

Note: You can select **RGB** only when the Component Select switch at the rear is on **RGB**.

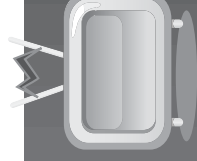


2. VCR SCART

You can select the VCR SCART output option.

1. Select **VCR SCART**.
2. Select **CVBS** or **S-Video** using the **OK** or **◀/▶** button.

7. Preferences



3. Audio Output

You can select the audio output option.

1. Select **Audio Output**.
2. Select **Stereo** or **Mono** using the **OK** or **◀/▶** button.

4. Dolby Digital Output

You can set Dolby Digital automatically. If you select **On**, Dolby Digital audio will be output via S/PDIF.

1. Select **Dolby Digital Output**.
2. Select **Off** or **On** using the **OK** or **◀/▶** button.

5. Lip-Sync

You can adjust the sound difference of audio and video.

1. Select **Lip-Sync** and press the **OK** or **▶** button.
2. Adjust the sync using the **◀/▶** button.
3. Press the **LAST** button to complete.

Note: Lip-Sync is applied to all channels when once adjusted.

6. Screen Ratio

You can select the screen ratio option.

1. Select **Screen Ratio**.
2. Select **4:3** or **16:9** using the **OK** or **◀/▶** button.

7. Display Format

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

1. Select **Display Format** and press the **OK** button.
2. When choosing **4:3** as screen ratio, select among **Auto**, **Letter Box**, **Pan & Scan** and press the **OK** button.
3. When choosing **16:9** as screen ratio, select among **Auto**, **Pillar Box**, **Zoom** and press the **OK** button.

Screen Ratio	4:3	16:9
Display Format	Letter Box, Pan & Scan, Auto	Pillar Box, Zoom, Auto

7. Preferences



7.6 Other Settings

You can configure other settings such as info display time and OSD transparency.

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



1. Info Display Time

You can set the automatic display time of the information box when the channel is switched.

1. Select **Info Display Time** and press the **OK** button.
2. Select a value between **Disable**, **1~20** seconds and press the **OK** button.

Note: When set to **Disable**, the i-plate will not be displayed when you switch the channel.

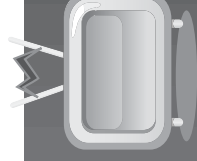
2. OSD Transparency

You can set the transparency of the On-Screen Display.

1. Select **OSD Transparency** and press the **OK** button.
2. Select among **Disable**, **25%**, **50%** and **75%** and press the **OK** button.

Disable	Fully opaque screen
25%, 50%, 75%	The bigger the number, the more transparent the screen.

8. Edit Channels



In this chapter you can edit all channels in the channel list or make changes to the favourite lists of the channels you have chosen.

Note:

- Press the **EXIT** button to save the changes and return to the previous menu. Press the **MENU** button to exit the menu screen.
- Press the **TV/RADIO** button to move to TV or radio channel list directly.

8.1 Edit Channel List

Edit Channel List enables you to select or lock/unlock the channels in the channel list conveniently.

1. Press the **MENU** button.
2. Select **Edit Channels** using the **▲/▼** button and press the **OK** button.
3. Select **Edit Channel List** using the **▲/▼** button and press the **OK** button.

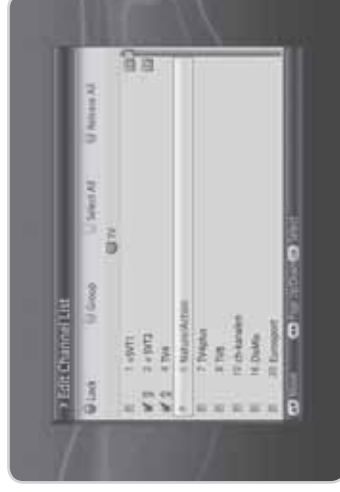


1. Locking/Unlocking Channels

Tip: The default password is **0000**.

1. Select the channel you want to lock and press the **OK** button. Press the **RED** button.
2. To unlock a locked channel, select the channel and press the **OK** button. Press the **RED** button.

Note: To watch locked channels, you must enter the password using the **NUMERIC (0-9)** buttons.

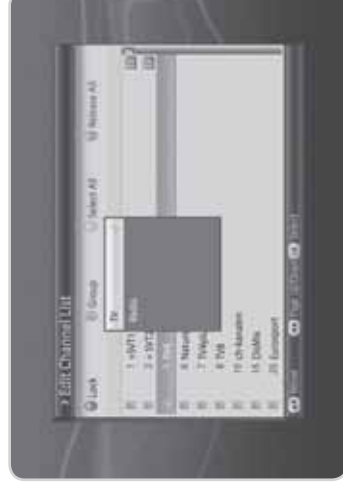


8. Edit Channels



2. Selecting a Channel Group

1. Press the **GREEN** button to display the list of groups.
2. Select the group you want and press the **OK** button.

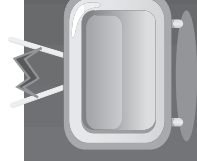


3. Select/Release All

1. To select all channels, press the **YELLOW** button.
2. To release all channels, press the **BLUE** button.



8. Edit Channels



8.2 Edit Favourite List

You can add or remove channels from the favourite groups, move favourite channels, rename favourite groups and move the favourite groups.

1. Press the **MENU** button.
2. Select **Edit Channels** using the **▲/▼** button and press the **OK** button.
3. Select **Edit Favourite List** using the **▲/▼** button and press the **OK** button.



1. Adding/Removing Channels

1. Select the channels you want to add to the favourite channel list and press the **OK** button.
2. Press the **RED** button to add the channels to the favourite list you have chosen.
3. To remove channels from the favourite list, select the channels from the list and press the **RED** button.

Note: When the cursor is on the left column, the red button is marked **Add**; when the cursor moves to the right column, it becomes **Remove**.



2. Selecting Favourite Groups

1. Press the **GREEN** button to display the list of groups.
2. Select the favourite group you want and press the **OK** button.

3. Select All/Release All

1. Press the **YELLOW** button to select all channels in the favourite list.
2. To release all channels, press the **YELLOW** button again.

8. Edit Channels



4. Renaming Favourite Groups

1. Select the favourite group you want to rename and press the **OK** button.
2. Press the **BLUE** button.
3. Select **Rename Group** and press the **OK** button.
4. A keyboard will appear. Enter the name of the favourite group using the keyboard.
5. Press the **YELLOW** button to complete.

Note: The **YELLOW** and **BLUE** buttons become activated only when the cursor is placed on the right column.



5. Moving Favourite Channels

1. Select the favourite channels to move within the favourite channel list and press the **OK** button.
2. Press the **BLUE** button.
3. Select **Move** and press the **OK** button.
4. Move the cursor to the destination using the **▲/▼** button, and press the **OK** button.
5. The selected channel is moved to the new location.

9. Installation



In this chapter, you can configure the installation setting and perform channel search. Menus such as channel search, software update and default setting are included in this section.

Note: Press the **EXIT** button to save the changes and return to the previous menu. Press the **MENU** button to exit the menu screen.

9.1 Channel Search

1. Press the **MENU** button.
2. Select **Installation** using the **▲/▼** button and press the **OK** button.
3. Select **Channel Search** using the **▲/▼** button and press the **OK** button.
4. Select **Frequency** and select the frequency. You can enter the frequency directly using the **NUMERIC(0-9)** buttons.
5. Select **Symbol Rate** and select the symbol rate. You can enter the symbol rate directly using the **NUMERIC(0-9)** buttons.
6. Select **Network ID** and select the network ID. You can enter the network ID directly using the **NUMERIC(0-9)** buttons.
7. Select **Search** and press the **OK** button. The channel search will start.
8. To stop the search, press the **OK** button during channel search.
9. The results will appear. Select **Save** and press the **OK** button.

Note: If there are no channels available, a message indicating the result will pop up.



9. Installation



9.2 Software Update

Software Update allows you to update the system software.

1. Press the **MENU** button.
2. Select **Installation** using the **▲/▼** button and press the **OK** button.
3. Select **Software Update** using the **▲/▼** button and press the **OK** button.
4. When new software is detected, you can choose to download the software immediately or save for later.

Note: When there is no new software to update, a popup will appear.



9.3 Default Setting

Tip: The default password is **0000**.

Default Setting enables you to restore the product to the factory default.

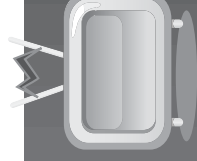
Warning: Please note that one you perform **Default Setting**, all data such as antenna setting information, channel list and all user configured data will be deleted.

1. Press the **MENU** button.
2. Select installation using the **▲/▼** button and press the **OK** button.
3. Select **Default Setting** using the **▲/▼** button and press the **OK** button.
4. Select **Yes** and press the **OK** button to restore all setting to factory default. To return to the previous menu, select **No** and press the **OK** button.
5. You will be prompted to enter your password again before starting to load default setting. Enter the password to proceed.
6. When default setting is completed, installation wizard pops up automatically and assists channel search.



Note: For detailed information about the installation wizard, refer to **Chapter 3. Installation Wizard**.

10. System



10.1 Status

You can view the model name, software version, loader version, system ID, STB ID, Chip ID, update date, Micom version and MAC address of the product.

1. Press the **MENU** button.
2. Select **System** using the ▲/▼ button and press the **OK** button.
3. Select **Status** and press the **OK** button.
4. The system status information will be displayed.



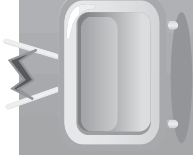
10.2 Signal Detection

You can view the antenna, transponder information, signal strength and quality of the two tuners.

1. Press the **MENU** button.
2. Select **System** using the ▲/▼ button and press the **OK** button.
3. Select **Signal Detection** and press the **OK** button.
4. The information of the two tuners will be displayed.



10. System



10.3 Conditional Access

1. Press the **MENU** button.
2. Select **System** using the **▲/▼** button and press the **OK** button.
3. Select **Conditional Access** and press the **OK** button.

1. Subscription Status

You can view the subscription status of the channels subscribed. Press the **▲/▼** button to scroll up/down the list.



2. Event Status

You can view the status of the reserved events. Press the **▲/▼** button to scroll up/down the list.

3. Tokens Status

You can view the tokens status. Press the **▲/▼** button to scroll up/down the list.

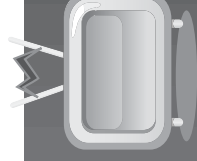
4. Change CA PIN

You can change the current CA PIN.

1. Select **Change CA PIN** and press the **OK** button.
2. A popup will appear. Enter the CA PIN in the popup using the **NUMERIC(0-9)** buttons.
3. Enter the new CA PIN and confirm the new CA PIN to complete.



10. System



5. Maturity Rating

You can change the maturity rating setting.

1. Select **Maturity Rating** and press the **OK** button.
2. Select **Change Maturity Rating** and select the rating value using the **OK** or **►** button.



6. Messages

You can view the conditional access messages. Press the **▲/▼** button to scroll up/down the list.

7. About Conax CA

You can view the Smartcard information.

11. Media List

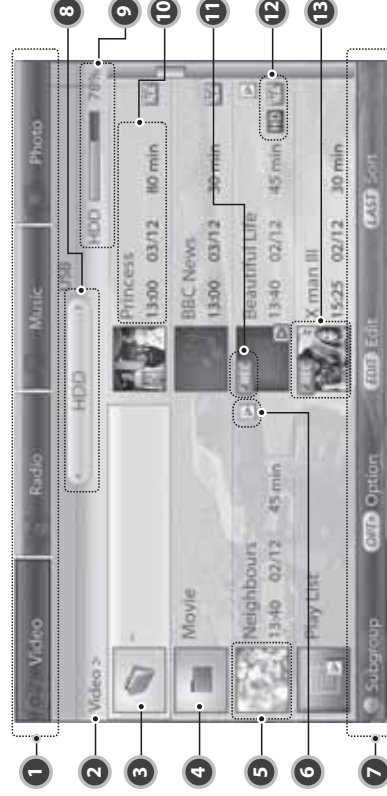


There are four types of lists for different kinds of media files. You can display each list by pressing the colour buttons on the remote control. Press the **MEDIA** button. The media list will appear.

Video (RED)	The recorded file list
Radio (GREEN)	The radio file list
Music (YELLOW)	The music file list
Photo (BLUE)	The photo file list

11.1 Video

Press the **RED** button while displaying the media list to display the recorded file list. The recorded file list is displayed as the following.

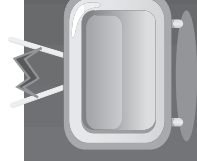


1. First group name
2. Path of parent folder
3. Icon of parent folder
4. Icon of folder
5. Thumbnail of recording
6. Icon of file in play list
7. Key help
8. Second group name of storage
9. Used size of HDD or USB storage
10. File name, time, date, duration
11. Icon of recording file
12. HD, CAS icon
13. Block picture

Note:

- Press the **LAST** button to sort the files by name or time.
- The icon (▶) will be displayed when the file is being played.
- When a USB memory stick or external HDD is connected to the USB host, the title of the group becomes USB. Use the colour keys to access the **USB** of each mode.

11. Media List



1. Play Option

1. Select a recorded file you want to playback and press the **OK** button. A popup will appear to display the play option.
2. Select **Play from the start** and press the **OK** button to play the recorded file from the beginning.
3. Select **Play from the last played position** and press the **OK** button to play the recorded file from the point it has been stopped.
4. Select **Descramble a file** and press the **OK** button to close the media list and descramble the file.
5. Select **View a playlist** and press the **OK** button to view the play list of the current folder.
6. Select **Delete a file** and press the **OK** button to delete the file. Select **Yes** and press the **OK** button.
7. Select a still image and press the **◀/▶** button to select the chapter you wish to view.



Note:

- If the file you have selected is a scrambled file, select **Descramble a File**.
- When time delay occurs, you may not be able to descramble or play the scrambled file.
- A chapter is made automatically by dividing a file into eight smaller files and capturing a still image of each smaller file. Chapters are used in play option and in normal playback by pressing the **PREVIOUS** and **NEXT** buttons.

2. Play List

1. Select **View a playlist** in **Play Option** or select **Make List** in edit mode and press the **OK** button.
2. Select a file in the playlist and press the **OK** button to play the selected file.
3. Press the **RED** button to delete the file and renumber the list.
4. Press the **GREEN** button to move the file within the list. Press the **OK** button to complete.



11. Media List



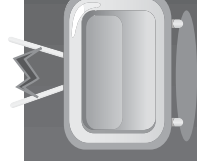
3. Option

1. Select a file in the video list and press the **OPT+** button.
2. To lock the file, select **Lock** and press the **OK** button. When unlocking a locked file, you will be prompted to enter your password. Enter the password and press the **OK** button.
3. To delete the file, select **Delete** and press the **OK** button. A popup will appear. Select **Yes** and press the **OK** button.
4. To rename the file, select **Rename** and enter the name directly using the keyboard displayed on the screen. Press the **YELLOW** button to complete.
5. To move the file to another folder, select **Move** and press the **OK** button. The list of folders will appear. Select the folder you want to move the file to and move it. Press the **OK** button to complete.
6. To hide the file, select **Hide** and press the **OK** button. The file will be hidden the next time you display the media list. To show the hidden file, press the **OPT+** button again and select **Show Hidden Files** and press the **OK** button. Enter the password to proceed. To cancel hiding, press the **OPT+** button and select **Cancel Hiding** and press the **OK** button.



Tip: The default password is **0000**.

11. Media List



4. Edit Mode

You can edit more than one file at the same time using edit mode.

1. Press the **EDIT** button while displaying the video list.
2. Select the files to edit and press the **OK** button.
3. To delete a file, press the **RED** button. A popup will appear. Press the **OK** button. When deleting a locked file, you will be prompted to enter your password. Enter the password and press the **OK** button.
4. To make a playlist of the selected files, press the **GREEN** button.
5. To move the file to another folder, press the **YELLOW** button. The list of folders will appear. Select the folder you want to move the file to and move it. Press the **OK** button to complete.
6. To make a folder, press the **BLUE** button. Enter the name of the folder in the keyboard displayed and press the **YELLOW** button.
7. To rename files, press the **OPT+** button. Select **Rename** and enter the name directly using the keyboard displayed on the screen. Press the **YELLOW** button to complete.
8. To lock files, press the **OPT+** button. Select **Lock** and press the **OK** button. When unlocking a locked file, you will be prompted to enter your password. Enter the password and press the **OK** button.
9. To hide the files, press the **OPT+** button. Select **Hide** and press the **OK** button. The file will be hidden the next time you display the media list. To show the hidden file, press the **EDIT** button and **OPT+** button again and select **Show Hidden Files** and press the **OK** button. Enter the password to proceed. To cancel hiding, press the **EDIT** button and **OPT+** button again and select **Cancel Hiding** and press the **OK** button.
10. To select/release all files, press the **OPT+** button. Select **Select All** or **Release All** and press the **OK** button.



Tip: The default password is **0000**.

11. Media List



Note: When deleting or moving a locked file, you will be prompted to enter your password. Enter the password using the **NUMERIC(0-9)** buttons.

Tip: The default password is **0000**.

11.2 Radio

Press the **GREEN** button while displaying the media list to display the radio list. The radio list is similar to the video list.

1. Play Option

1. Select a file you want to playback and press the **OK** button. A popup will appear to display the play option.
2. Select **Play from the start** and press the **OK** button to play the file from the beginning.
3. Select **Play from the last played position** and press the **OK** button to play the file from the point it has been stopped.
4. Select **View a playlist** and press the **OK** button to view the play list of the current folder.
5. Select **Delete a file** and press the **OK** button to delete the file. Select **Yes** and press the **OK** button.

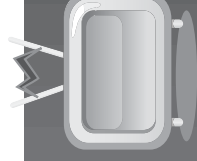
2. Play List

1. Select **View a playlist** in **Play Option** or select **Make List** in edit mode and press the **OK** button.
2. Select a file in the playlist and press the **OK** button to play the selected file.
3. Press the **RED** button to delete the file and renumber the list.
4. Press the **GREEN** button to move the file within the list. Press the **OK** button to complete.

3. Option

1. Select a file in the radio list and press the **OPT+** button.
2. To lock the file, select **Lock** and press the **OK** button. When unlocking a locked file, you will be prompted to enter your password. Enter the password and press the **OK** button.
3. To delete the file, select **Delete** and press the **OK** button. A popup will appear. Select **Yes** and press the **OK** button.
4. To rename the file, select **Rename** and enter the name directly using the keyboard displayed on the screen. Press the **YELLOW** button to complete.
5. To move the file to another folder, select **Move** and press the **OK** button. The list of folders will appear. Select the folder you want to move the file to and move it. Press the **OK** button to complete.

11. Media List



4. Edit Mode

You can edit more than one file at the same time using edit mode.

1. Press the **EDIT** button while displaying the radio list.
2. Select the files to edit and then press the **OK** button.
3. To delete files, press the **RED** button. A popup will appear. Press the **OK** button.
4. To make a playlist, press the **GREEN** button to make a playlist of the selected files.
5. To move files to another folder, press the **YELLOW** button. The list of folders will appear. Select the folder you want to move the file to and move it. Press the **OK** button to complete.
6. To make a folder, press the **BLUE** button. Enter the name of the folder in the keyboard and press the **YELLOW** button.
7. To lock files, press the **OPT+** button. Select **Lock** and press the **OK** button. When unlocking a locked file, you will be prompted to enter your password. Enter the password and press the **OK** button.
8. To rename files, press the **OPT+** button. Select **Rename** and enter the name directly using the keyboard displayed on the screen. Press the **YELLOW** button to complete.
9. To select/release all files, press the **OPT+** button. Select **Select All** or **Release All** and press the **OK** button.

11. Media List



11.3 Music

Press the **YELLOW** button while displaying the media list to display the music file list. The music file list is displayed as the following.



1. First group name
2. Path of present folder
3. Icon of parent folder
4. Key help
5. Second group name of storage
6. Used size of HDD or USB storage

1. Play Option

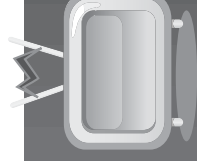
1. Select a music file you want to play and press the **OK** button. A popup will appear to display the play option.
2. Select **Play music file** and press the **OK** button to play the music file.
3. Select **View a playlist** and press the **OK** button to view the play list of the current folder.
4. Select **Delete a file** and press the **OK** button to delete the file. Select **Yes** and press the **OK** button.

2. Music Player

1. Select the music file you want and press the **PLAY** button to play.
2. Press the **STOP** button to stop playing.
3. Press the **PAUSE** button to pause.
4. To play the previous/next music file, use the **PREVIOUS/NEXT** button.
5. Press the **▼** button or **OK** button to display the play list.
6. Use the **OPT+** button to repeat or shuffle.



11. Media List



3. Option

1. Press the **OPT+** button while displaying the music list.
2. To delete the file, select **Delete** and press the **OK** button. A popup will appear. Select **Yes** and press the **OK** button.
3. To rename the file, select **Rename** and enter the name directly using the keyboard displayed on the screen. Press the **YELLOW** button to complete.
4. To move the file to another folder, select **Move** and press the **OK** button. The list of folders will appear. Select the folder you want to move the file to and move it. Press the **OK** button to complete.

4. Edit Mode

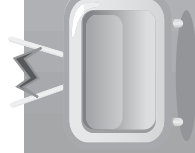
1. Press the **EDIT** button while displaying the music list.
2. Select the files to edit and press the **OK** button.
3. To delete a file, press the **RED** button. A popup will appear. Select **Yes** and press the **OK** button. When deleting a locked file, you will be prompted to enter your password. Enter the password and press the **OK** button.
4. To make a playlist of the selected files, press the **GREEN** button.
5. To move the file to another folder, press the **YELLOW** button. The list of folders will appear. Select the folder you want to move the file to and move it. Press the **OK** button to complete.
6. To make a folder, press the **BLUE** button. Enter the name of the folder in the keyboard and press the **YELLOW** button.
7. To rename files, press the **OPT+** button. Select **Rename** and enter the name directly using the keyboard displayed on the screen. Press the **YELLOW** button to complete.
8. To select/release all files, press the **OPT+** button. Select **Select All** or **Release All** and press the **OK** button.

Tip: The default password is **0000**.

5. File Information

Press the Info button while playing a music file to view the file information.

11. Media List



11.4 Photo

Press the **BLUE** button while displaying the media list to display the photo file list. The photo file list is similar to the music file list.

1. Play Option

1. Select a photo file you want to view and press the **OK** button. A popup will appear to display the play option.
2. Select **View photo** and press the **OK** button to view the photo file.
3. Select **View slide show** and press the **OK** button to view the photo in slide show.
4. Select **Delete a file** and press the **OK** button to delete the file. Select **Yes** and press the **OK** button.

2. Option

1. Press the **OPT+** button while displaying the photo list.
2. To delete the file, select **Delete** and press the **OK** button. A popup will appear. Select **Yes** and press the **OK** button.
3. To rename the file, select **Rename** and enter the name directly using the keyboard displayed on the screen. Press the **YELLOW** button to complete.
4. To move the file to another folder, select **Move** and press the **OK** button. The list of folders will appear. Select the folder you want to move the file to and move it. Press the **OK** button to complete.

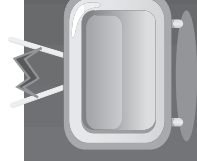
3. Edit Mode

1. Press the **EDIT** button while displaying the photo list.
2. Select the files to edit and press the **OK** button.
3. To delete a file, press the **RED** button. A popup will appear. Select **Yes** and press the **OK** button. When deleting a locked file, you will be prompted to enter your password. Enter the password and press the **OK** button.
4. To move the file to another folder, press the **YELLOW** button. The list of folders will appear. Select the folder you want to move the file to and move it. Press the **OK** button to complete.
5. To make a folder, press the **BLUE** button. Enter the name of the folder in the keyboard and press the **YELLOW** button.
6. To rename files, press the **OPT+** button. Select **Rename** and enter the name directly using the keyboard displayed on the screen. Press the **YELLOW** button to complete.
7. To select/release all files, press the **OPT+** button. Select **Select All** or **Release All** and press the **OK** button.

Note: When deleting or moving a locked file, you will be prompted to enter your password. Enter the password using the **NUMERIC(0-9)** buttons.

Tip: The default password is **0000**.

11. Media List



4. Photo Viewer

1. Select the image file you want and press the **OK** button to enlarge the image.
2. Press the **EXIT** button to close the viewer. Press the **PLAY** button to go back.
3. Go to previous file or next file using the **◀/▶** buttons.



5. Slide Show

1. Select **View slide show** and press the **OK** button in Play option to start slide show. The files will appear in full screen for five seconds each.
2. Press the **◀/▶**, **j** or **OK** button to stop the slide show.
3. Press the **LAST** or **EXIT** button to return to the photo file list.

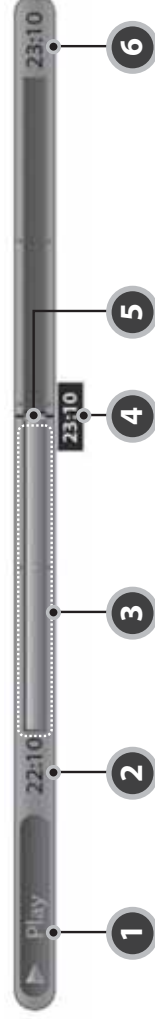
12. Personal Video Recorder (PVR)



The product automatically saves the programme to the built-in hard disk drive temporarily; this enables you to pause, play, fast rewind or fast forward the current broadcast.

12.1 Play bar

Press the **PLAY** button while watching a recording to display the play bar. Play bar displays the current operation status, the time gap between the broadcasting point and watching point and the amount of temporarily saved programme.



1. Play status
2. Start time
3. Amount of saved programme
4. Present time
5. Play pointer
6. Total time (present time in TSR)

To move to the specified time point directly, enter the time you want using the **NUMERIC(0-9)** buttons. To move the watching point bar to the time point you want, press the **◀/▶** button while playing back and then press the **OK** button to play the programme from the specified time point. If you do not press the **OK** button after moving the watching point, it will move automatically. Press the **STOP** button to stop the current file and go to live TV.

12.2 Time Shifted Recording (TSR) and Playback.

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

1. Playback

You can view the recorded files in the **Media List** → **Video**. Press the **MEDIA** button to access the recorded file list easily.

1. Press the **PREVIOUS** button to start playback from the previous chapter.
2. Press the **NEXT** button to start playback from the next chapter.
3. Press the **◀** button to jump back and play from that point. Press the **STOP** button to return to live video.
4. Press the **▶** button to jump ahead and play from that point. Press the **STOP** button to return to live point.

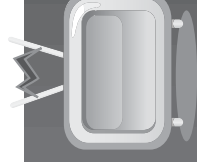
Note:

- Enter the **NUMERIC(0-9)** buttons during playback and press the **OK** button to move to that specific time point.
- For more information about playback, refer to **11.1.1 Play Option**.

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12. Personal Video Recorder (PVR)



2. TSR

You can perform fast rewind, fast forward, slow motion and pause while playing back a recorded file from the media list.

Fast Forward

1. Press the **FAST FORWARD** button to fast forward the programme.
2. Each time you press the **FAST FORWARD** button, the speed increases in the following sequence: x2, x4, x16, x32, x64.
3. 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 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.



Fast Rewind

1. Press the **FAST REWIND** button to watch missed scenes.
2. Each time you press the **FAST REWIND** button, the rewind speed increases in the following sequence: x2, x4, x16, x32, x64.
3. 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.



Slow Motion

1. Press the **SLOW** button to playback the file in slow video.
2. If you press the **PLAY** button, the slow video operation stops and the programme is played at normal speed.

12. Personal Video Recorder (PVR)



Pause

1. Press the **PAUSE** button to pause the current programme.
2. 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 has been paused. Operations such as slow motion and fast rewind also make the time gap. Press the **STOP** button to close the time gap and go to live programme.



12.3 Recording

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

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 a one-hour programme may require up to two or three GB of hard disk space. The space necessary for recording a one-hour programme may be different depending on the programme.
- You can record radio programmes also.
- Pressing the **STANDBY** button while recording will not stop the recording. The product will go to standby mode after completing recording.
- Press the **i** button to display the recording list and i-plate.

1. General Recording

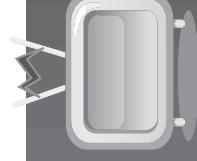
1. Press the **RECORD** button to record the current programme instantly.
2. Press the **RECORD** button again while recording to adjust the recording end time. You can adjust the recording end time by -/+10 minutes using the ◀/▶ button.
3. When recording a current programme which has almost reached the end time, the following programme will be recorded and the ending time of that programme will appear on the play bar. Press the **RECORD** button to move from the current programme to the next programme.



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12. Personal Video Recorder (PVR)



2. Multi-Channel Recording

1. To record another channel, change channels while recording and press the **RECORD** button again.
2. You can record up to four channels simultaneously.
3. If you press the **RECORD** button while recording four other channels, you will be prompted to select a recording you want to stop and replace with a new recording.



3. Recording Duration

1. Press the **RECORD** button while recording to set the recording duration time.
2. The default recording duration time is two hours from the recording start time.
3. Press the **◀/▶** button to add or reduce the recording time in 10 minute units. The **RECORD** button functions as the **▶** button.

4. Stop Recording

1. Press the **STOP** button to stop recording one of the four other channels.
2. You will be prompted to select one among the current recordings. Select the channel you want to stop recording using the **▲/▼** button.
3. Select **OK** and press the **OK** button.

12. Personal Video Recorder (PVR)



12.4 Bookmark

1. Adding Bookmark

You can jump to a position directly using the bookmark feature in recorded file playback. Use bookmarks to search a specific scene quickly and conveniently.

Press the **ADD BOOKMARK** button at the location you want to set a bookmark while playing back a recorded file. The bookmark icon is displayed at the lower right of the screen.

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

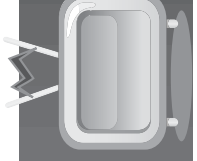
2. Bookmark List

1. Press the **BOOKMARK LIST** button after adding a bookmark.
2. Select the location you wish to view using the ◀▶ button. The bookmark image is displayed at the lower right of the screen.
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.



1. Bookmark cursor
2. Watching point time
3. Watching point
4. Bookmark icon

13. 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.

13.1 OTA (Over the Air)

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

The manufacturers reserve the right to decide when and where an update is made available. The new software version is then downloaded via cable. The software update via cable will only occur under the following circumstances.

1. The equipment should have the appropriate loader software.

Caution: Please note that if the normal loader software is not equipped, the product may not be updated or operate properly after software update.

2. The manufacturer transmits the software via cable. The new version of the software is generally detected automatically, but in case it is not, you should perform automatic or manual update.

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 (coaxial cable) during software update. Update may be interrupted and the product may not operate.

Note:

- It may take 5~10 minutes to update software.
- Other functions will not activate while software update takes place.
- You cannot schedule programmes during software update.





1. Software update while watching a programme

When new software is detected, you can choose to download the software immediately or save for later. In case there is no software currently available, select **Next** and press the **OK** button to proceed to the next step.

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14.1 Menu Map

 Preferences	<ol style="list-style-type: none">1. Parental Control2. Language Setting3. Time Setting4. Media Setting5. A/V Setting6. Other Settings
 Edit Channels	<ol style="list-style-type: none">1. Edit Channel List2. Edit Favourite List
 Installation	<ol style="list-style-type: none">1. Channel Search2. Software Update3. Default Setting
 System	<ol style="list-style-type: none">1. Status2. Signal Detection3. Conditional Access

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14.2 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 cable is properly connected to the product.
 - Be sure to activate channel search.
 - 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. 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.
- 4. 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.
- 5. Cannot make reservations.**
 - Check that no previous reservations are conflicting with the new reservation.
- 6. No password information is given.**
 - The default password is always 0000.
- 7. Channel search does not work.**
 - Check that your cable is connected correctly.
- 8. 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.
- 9. Cannot watch scrambled channels.**
 - Check that you have the appropriate Smartcard or CI-Module. Reinsert the Smartcard or CI-Module and make sure it initializes correctly.
 - Check in the menu that the product is detecting the Smartcard or CI-Module.
 - Check in the menu that you have a valid and working subscription to the channels you wish to view.
 - Ensure that the Smartcard or CI-Module is not damaged.
 - It may take up to 60 minutes to receive authorization for the subscription.

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10. 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.

11. 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.
- Check that the product is switched on when starting recording.

12. 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.

13. 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.

14. 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.

15. Cannot change channel while recording.

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

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14.3 Error Message

Error message	Possible causes	What to do
No or bad signal	The cable is not connected.	Make sure the cable is connected correctly.
	The cable may be damaged or defective.	Exchange the cable.
	The channel is not broadcasting.	
	The channel has signal, but no video.	Confirm if the channel is currently on air.
The channel is scrambled or not available.	The channel is deleted by the broadcasting company.	
	The channel is for data broadcasting.	
The audio is not available.	The channel has signal, but no audio.	Press the audio button to confirm if the channel has audio.
	No subscription to this channel.	Make sure you are subscribed to the channel.
No access	No authorization.	If the product has been turned off for a long time (standby or power off), please wait for authorization. It may take up to 60 minutes.
	Smartcard is not inserted.	Insert Smartcard.
No card inserted.	Wrong Smartcard is inserted.	Insert appropriate Smartcard.
	Smartcard is not inserted correctly.	Pull out the Smartcard and reinsert it.
	Smartcard is broken.	Replace the Smartcard.

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14.4. Specification

Tuner & Channel	
No of Tuners	2
Input Connector	F-Type, IEC 169-24, Female
Frequency Range	51MHz to 858MHz
Signal Level	-15dBmV to +15dBmV
Modulation	QAM
MPEG Transport Stream A/V Decoding	
Transport Stream	MPEG-2 ISO/IEC 13818-1
Profile Level	MPEG-2MP@ML, MPEG-2MP@HL, MPEG-4 AVC/H 264 HP@L4
Input Rate	Max. 15MB
Video Format	4:3, 16:9
Video Resolution	1080i, 720p, 576p, 576i
Audio Decoding	MPEG/MusiCam Layer I & II
Audio Mode	Single channel/Dual channel/Joint stereo/Stereo, AC3 Downmix
Memory	
Flash Memory	64MB
RAM	256MB
EEPROM	8KB
HDD	320GB
Audio/Video/Data In/Out	
Video	TV SCART(CVBS,S-Video,RGB) VCR SCART(CVBS,S-Video) RCA-Type(CVBS), YPbPr(RCA), HDMI/HDCP
Audio	TV SCART,VCR SCART,Audio L/R,S/PDIF(Digital Audio Output)
File Format	JPEG(jpeg, jpg, jpr, jff), MP3(mp3, mp2, mp1)

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Data Port	
USB	USB 2.0 Host (5V==500mA Max.)
Power Supply	
Input Voltage	100-240 a.c., 50/60Hz
Type	SMPS
Power Consumption	Max. 38W
Protection	Separate internal fuse & lightning protection
Physical Specification	
Size	380mm × 70mm × 281mm
Weight (Net)	3.5kg
Operating Temperature	0 °C to +45 °C
Storage Temperature	-10 °C to +70 °C

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14.5 Glossary

- 1. Dolby Digital**
An encoding system that digitally compresses up to 5.1 discrete channels of audio (left front, centre, right front, left surround, right surround) into a single Bitstream. A low frequency effect (LFE) channel is included providing the sound needed for special effects.
- 2. DVB (Digital Video Broadcasting)**
Set of standards that define digital broadcasts using satellite, cable or terrestrial systems.
- 3. EPG (Electronic Programme Guide)**
An electronic equivalent to a printed television listings magazine; it is an application used with digital set-top boxes and digital television sets to list current and scheduled programs that are or will be available on each channel, including a short summary or commentary for each program. The information supplied in the EPG is sent and updated by the channel broadcaster.
- 4. Frequency**
The property of a signal measured in cycles per second (=Hz).
- 5. FTA (Free-To-Air)**
An unscrambled broadcaster allowing customers to view channels or services without paying any subscription.
- 6. 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.
- 7. Hi-Fi (High Fidelity)**
The characteristics of audio devices that can play back all the audio frequencies a person can detect, which is the range of 16Hz~20KHz. Sometimes it is used to indicate good quality of audio devices such as stereo tape recorders.
- 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. PVR (Personal Video Recorder)**
Video recorder that can record and playback programmes directly using the embedded hard disk drive(s).
- 11. RF (Radio Frequency)**
Television signals are modulated onto RF signals and are then demodulated by your television's or STB's tuner.
- 12. RF Modulator**
Enables you to output the receiver's digital signals to a TV's RF (Aerial) input, allowing you to connect the receiver to a TV set without a SCART connection.

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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. Smartcard

A credit card sized card that contains updateable chip memory. It is used for accessing Pay TV (encrypted) channel or services when inserted into an appropriate receiver.

15. 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.

16. S-Video (Super-Video)

Sometimes referred to as Y/C video; a technology for transmitting video signals via a cable. It is a video signal transmission in which the luminance (brightness) and the chrominance (colour) signals are transmitted separately to achieve superior picture clarity.

17. Trick-Play

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

18. TSR (Time Shifted Recording)

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

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14.6 Service and Support

Information concerning troubleshooting, software upgrade and product support is provided in the following websites and call centers. Should your product require warranty service, please contact HUMAX to obtain the appropriate authorization.

Note: For hardware repair, please visit our website.

Deutschland

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

UK

Tel: 0870 247 8800
Opening Hours: Mon-Fri 8:30-21:00
E-mail: uksupport@humax-digital.co.uk
Website: www.humax-digital.co.uk
Language: English

Australia

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

Italia

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

Sverige

Tfn: +46 (0)50 85527
Öppettider: Mån-fre 08:00-16:30
Språk: Svenska/Engelska

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Suomi

Puh: +358 9 56186 130

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

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14.7 Remote Control Code List

1. Using the universal remote control

1. Press the **MODE** button. The remote control LED will blink once.
2. Press the **MODE** button for 3 seconds until the TV LED turns on. The LED will stay on even after the button is released.
3. Select the product you want to set pressing the **MODE** button. Every time you press the button, the remote control LED will blink in the following order; TV, AUDIO, DVD, TV,...
4. Enter the 3-digit code. Every time you enter a number, the LED will blink. When the third number is entered, the LED will blink twice. The power key code of the selected model will appear.
5. After the power key code appears, the product will power off.
6. Press **OK** and the LED will blink three times. The setup is complete.
7. If the product does not power off, repeat the instructions from 4 to 6.

Note:

- When no code is entered for one minute the Universal setting mode will switch to normal mode.
- Try several setting codes and select the code that has the most functions.

Remote Control Function List

The keys on the remote control function as in the list below.

Note: Some keys may not function depending on the product.

Button	TV	DVD	AUDIO
STANDBY	POWER	POWER	POWER
1	1	1	TUNER
2	2	2	CD
3	3	3	DVD
4	4	4	VCR
5	5	5	TV
6	6	6	CABLE
7	7	7	SAT
8	8	8	AUX
9	9	9	TAPE
0	0	0	PHONO
MENU	MENU	MENU	MENU/MODE
◀◀	-	FAST REWIND	-

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Button	TV	DVD	AUDIO
▶	-	PLAY	-
▶▶	-	FAST FORWARD	-
●		RECORD	
■		STOP	
		PAUSE	
RED	RED		
GREEN	GREEN		
YELLOW	YELLOW		
BLUE	BLUE		
EXIT		EXIT	CLEAR
OK	OK	OK	OK
UP	UP	UP	UP
LEFT	LEFT	LEFT	LEFT
RIGHT	RIGHT	RIGHT	RIGHT
DOWN	DOWN	DOWN	DOWN
VOL+	VOL+	VOL+	VOL+
VOL-	VOL-	VOL-	VOL-
i	-	-	DISPLAY
⊘	MUTE	MUTE	MUTE
CH+	CH+	CH+	PRESET+
CH-	CH-	CH-	PRESET-
SOURCE	SOURCE	SOURCE	SOURCE

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2. TV Code List

Brand	Code
A MARK	002
ABEX	016
ACCENT	004
ACTION	110, 124
ACURA	004
ADMIRAL	030, 042, 076, 099, 123, 159, 160
ADVENTURA	177
ADYSON	016, 063
AIKO	029
AKAI	015, 099, 109, 124, 161, 172, 177
AKURA	064, 071, 161
ALARON	051, 062
ALBA	004, 017, 018, 064, 123, 117
ALBIRAL	157, 158
ALLORGAN	118
ALLSTAR	161
AMBASSADOR	049
AMPLIVISION	063
AMSTRAD	004, 018, 047, 049, 145
AMWAY	161
ANAM	003, 004, 052
ANAM NATIONAL	024
ANITECH	004, 071, 161
ANSONIC	127
AOC	002, 009, 015, 056
ARC EN CIEL	171
ARCAM	062, 063
ARCHER	002
ASA	159, 160, 161
ASBERG	158
ASUKA	064, 071
ATLANTIC	098
AUDINAC	081
AUDIOSONIC	018, 071
AUDIOVOX	002, 029, 052, 084
BANG & OLUFSEN	160
AUMARK	026
AUTOVOX	068, 076, 097, 160
BARCO	086

BASIC LINE	Code
BAUR	018, 087, 097, 099, 102, 108, 175, 176, 177, 178, 181, 185
BAYSONIC	052
BEAUMARK	050
BEC	099, 110, 124
BECRESE	040, 099, 108, 109, 110, 172, 177
BEKO	161, 162, 163, 164, 165
BELCOR	009
BELL & HOWELL	006, 038, 106
BEON	018
BINATONE	063
BLACK PANTHER	158
BLACKSTRIPE	040, 106, 108, 172
BLAUPUNKT	059, 060, 061
BLUE SKY	064
BLUE STAR	075
BOOTS	063
BOSCH-BAUER	098
BPL	075
BRANDT ELECTRONIQUE	171
BRADFORD	052
BRINKMANN	123
BRITANNIA	062
BRIONVEGA	159
BRIORRYEGA	160
BROCKWOOD	009, 172, 177
BROKSONIC	002, 067, 085, 172, 177
BROTHER	071
BRUNS	126, 158, 159, 160
BSR	093, 118
BTC	064
BUSH	004, 017, 018, 064, 075, 093, 099, 117, 172
CAMPLE	172, 177
CANDLE	015, 025, 057
CAPEHART	124, 172
CAPSONIC	071
CARNIVALE	015
CARREFOUR	017

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CARVER	023, 046	DECAVIDEO	161
CASCADE	004	DENON	035
CATHAY	018	DESMET	098
CCE	063, 018, 078	DIXI	003, 004, 018, 126
CCI	115	DUAL	097
CENTURION	018	DUALTEC	063
CENTURY	159, 160	DUMINT	127
CGE	101, 123	DUMONT	007, 009, 158, 159, 160, 172, 177
CIE	133, 161	DYNATECH	063, 172, 177
CIMLINE	004, 117	EB TELECOM	105
CINERAL	029, 084, 172	ECR	172
CIRCUIT CITY	177	ECTEC	081
CITIZEN	015, 019, 025, 026, 029, 040, 057, 074	ELBE	116, 168
CLAIRTONE	056	ELBIT	160, 161
CLARIVOX	018, 125, 168	ELECTROBAND	056, 177
CLATRONIC	098, 127, 158, 161	ELECTROHOME	080, 106, 110, 172, 177
CME	004, 005, 017, 018, 028, 042, 049, 063, 065, 066, 068, 076, 079, 087	ELECTROVENDA	161
CONCERTO	025	ELEKTA	071
CONDOR	098, 158, 161	ELEKTRONIKA	161
CONIC	110, 172	ELIN	018, 161
CONTEC	004, 017, 052, 056, 062, 172	ELITE	040, 064, 098, 106, 172
CONTINENTAL EDISON	141, 171	ELMAN	127, 158, 163
COSMOS	161	ELTA	004
CRAIG	052	EMERSON	009, 019, 038, 049, 050, 051, 053, 054, 056, 067, 072, 074, 075, 085, 158, 159, 161, 172, 177
CRIPTOVISION	105	EON	172
CROSLEY	023, 110, 159, 160, 172, 177	ENVISION	015
CROWN	004, 018, 019, 052, 127, 158, 161	ERRES	018
CS ELECTRONICS	062	ESC	161
CTC	098, 158	EURO-FEEL	071
CURTIS MATHES	006, 015, 019, 020, 021, 023, 026, 030, 035, 038, 025, 040, 044, 084, 106, 172	EUROMANN	071
CXC	052	EUROPHON	127, 158
CYBERTRON	064	FERGUSON	018, 163, 166, 167, 168, 169
DAEWOO	004, 009, 018, 019, 029, 084, 133, 161	FIDELITY	062, 097, 104
DAINICHI	064	FINLADIA	106
DANSAI	018	FINLUX	018, 028, 051, 093, 129, 158, 160, 161
DAYTON	004, 009, 019, 108	FIRST LINE	118, 004, 062, 063
DE GRAAF	066, 097, 161	FISHER	038, 041, 063, 097, 106, 108, 126, 160, 172
DECCA	018, 028, 129, 161	FORMENTI	018, 098, 103, 160, 161
		FORTRESS	160, 172

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FRABA	161		HUANYU	062
FRONTECH	042,071,099		HUMAX	151, 152, 153, 154
FUJITSU	028,051, 124, 172, 177		HUSPI ELEKTRONIK	123
FUNAI	047,051,052,071, 118, 172, 177		HYPERVISION	134
FUTURETECH	052		HYPSON	018,071,075
GALAXIS	123,142, 158, 161		ICE	063,071, 161
GALAXY	158		ICES	064
GBC	099		IMA	172, 177
GE	011,013,020,021,024,030, 034,050,075,084		IMPERIAL	092,099,101,123, 161
GEC	018,028,063,095,110,129,161		INDESIT	068
GELOSO	004,099		INDIANA	018
GENEXXA	042,064		INFINITY	023
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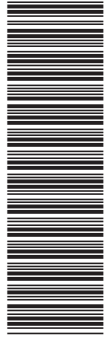
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