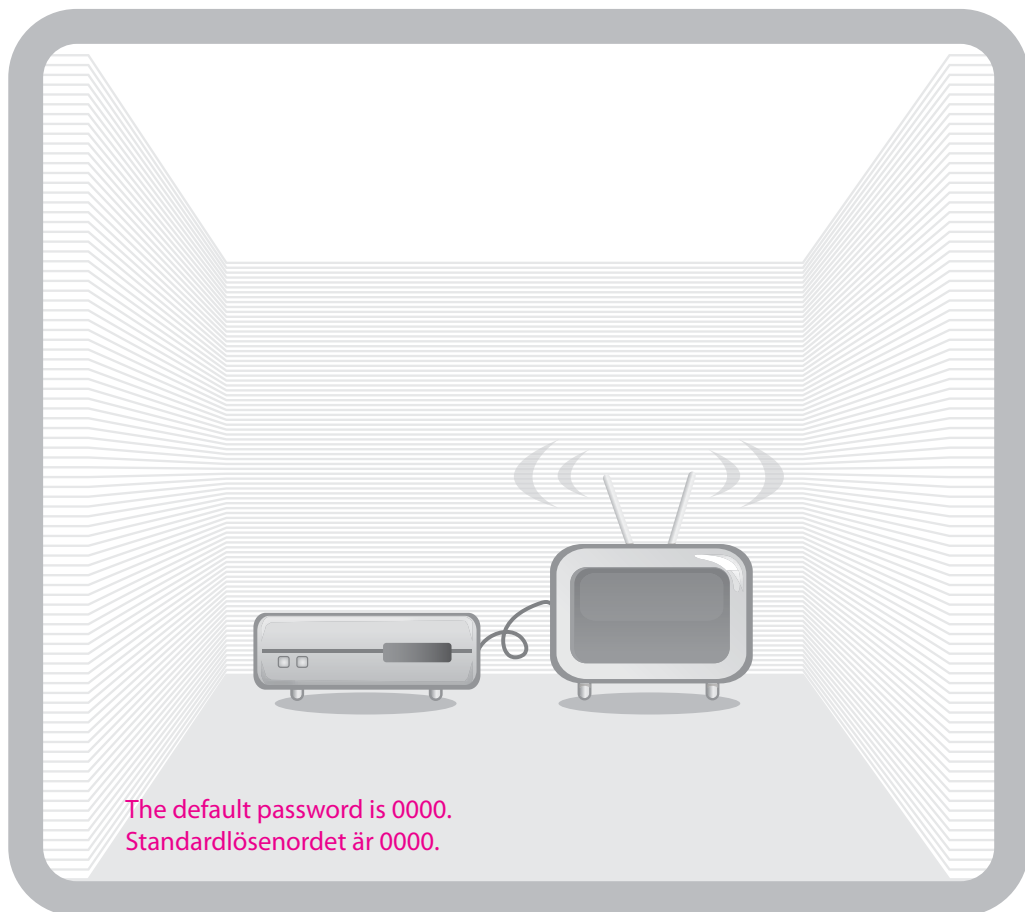




Digital Cable Receiver
Digital-tvmottagare



User's Manual Användarmanual CXHD-5000C

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.

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Warranty

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

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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. EXTRANEIOUS 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.

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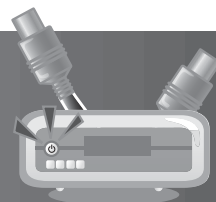
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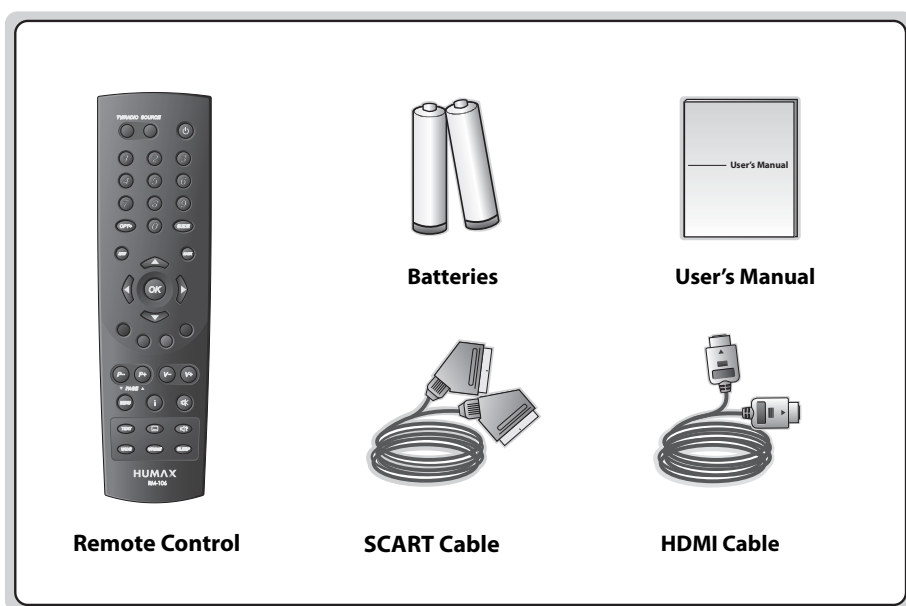
1. Before Using the Product



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

1.1 Package Contents

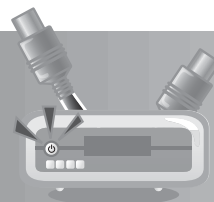
Please check all package contents before using your product.



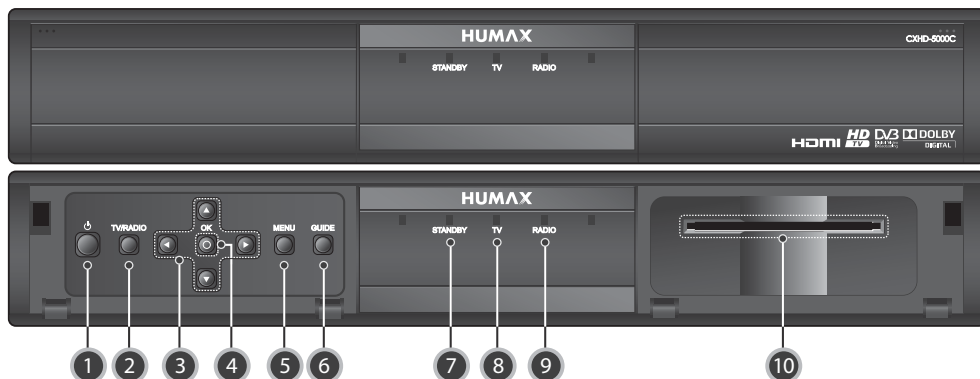
Note:

- 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.

1. Before Using the Product



1.2 Front Panel



1. STANDBY BUTTON

Switches between operation and standby modes.

2. TV/RADIO BUTTON

Switches between TV and radio modes.

3. ARROW BUTTONS

Changes the channel or moves the cursor up, down, left or right.

4. OK

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

5. MENU

Displays the main menu.

6. GUIDE

Displays the programme guide.

7. STANDBY LED

Red light is emitted when the product is in standby mode.

8. TV LED

Green light is emitted when the product is in TV mode.

9. RADIO LED

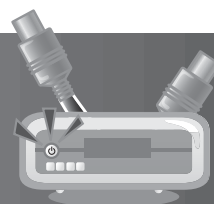
Amber light is emitted when the product is in radio mode.

10. 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.

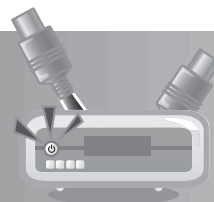
1. Inserting the Smartcard

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.

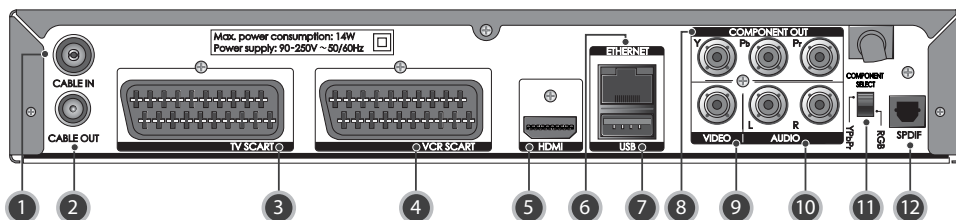
1. Open the right-hand flap on the front panel of the product to expose the card slot.
2. Hold the Smartcard horizontally with the electronic chip (small square-shaped, gold in colour) facing downwards.
3. Insert the Smartcard into the slot.



1. Before Using the Product



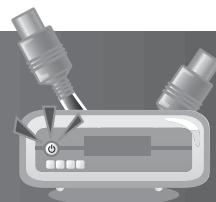
1.4 Rear Panel



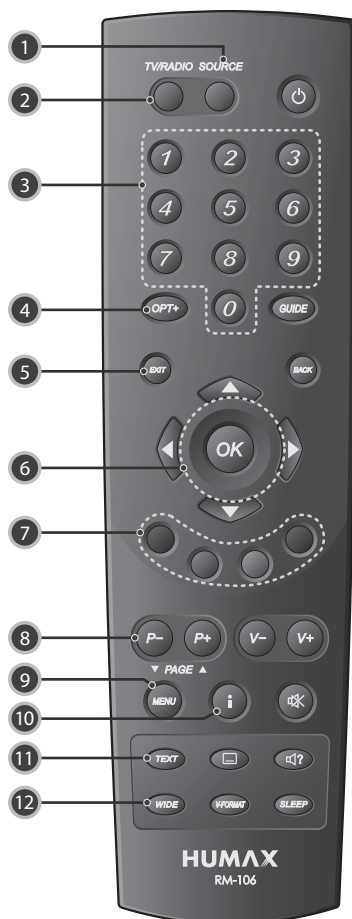
- 1. CABLE IN**
Connects a network cable.
- 2. CABLE OUT**
Connects to the RF IN of the TV or VCR using an RF cable.
- 3. TV SCART**
Connects to the TV using a TV SCART cable.
- 4. VCR SCART**
Connects to the VCR or DVD using a VCR SCART cable.
- 5. HDMI**
Connects to the TV using an HDMI cable.
- 6.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

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

1. Before Using the Product



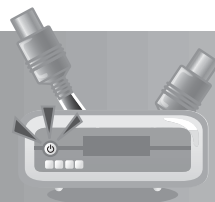
1.5 Remote Control



- 1. SOURCE**
Controls the output of TV SCART.
- 2. TV/RADIO**
Switches between TV and radio modes.
- 3. NUMERIC(0-9) BUTTONS**
Enters a TV/radio channel number or menu option number.
- 4. OPT+**
Displays the channels attributes while watching a programme.
- 5. EXIT**
Exits all On-Screen Display (OSD) screens.
- 6. ARROW BUTTONS**
Navigates through the menu options.
- 7. COLOUR BUTTONS(R/G/Y/B)**
Select the colour keys for interactive applications.
- 8. P-/P+ or PAGE▲/PAGE▼**
Changes the channel or page.
- 9. MENU**
Displays the main menu.
- 10. i (INFORMATION)**
Displays the channel and programme information.
- 11. TEXT**
Switches between the teletext and TV modes.
- 12. WIDE**
Sets the display format.

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

1. Before Using the Product



13. STANDBY

Switches between operation and standby modes.

14. GUIDE

Displays the programme guide.

15. BACK

Closes and returns to the previous menu and screen.

16. OK

Selects a menu or confirms the selected operation.

17. V-/V+

Adjusts the audio volume.

18. MUTE

Mutes or unmutes the audio temporarily.

19. SUBTITLE

Displays the subtitle language list.

20. AUDIO

Displays the audio list.

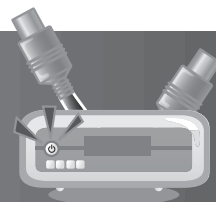
21. SLEEP

Sets the sleep time.

22. V-FORMAT

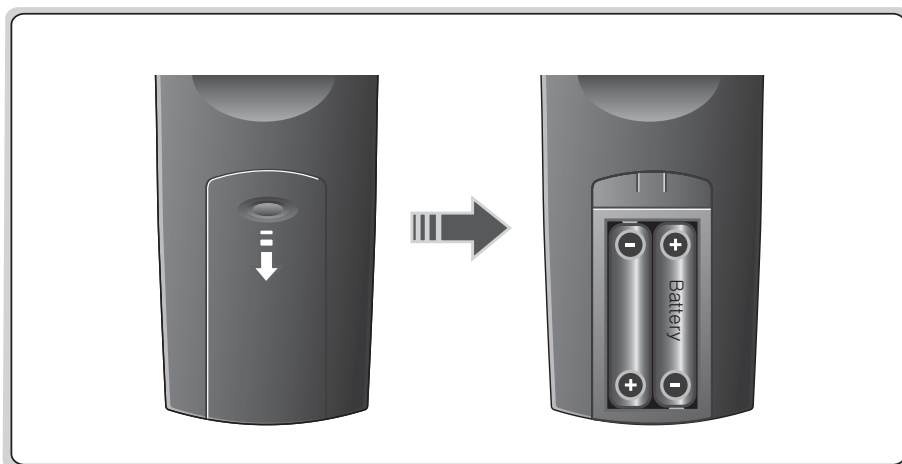
Changes the resolution of video.

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.

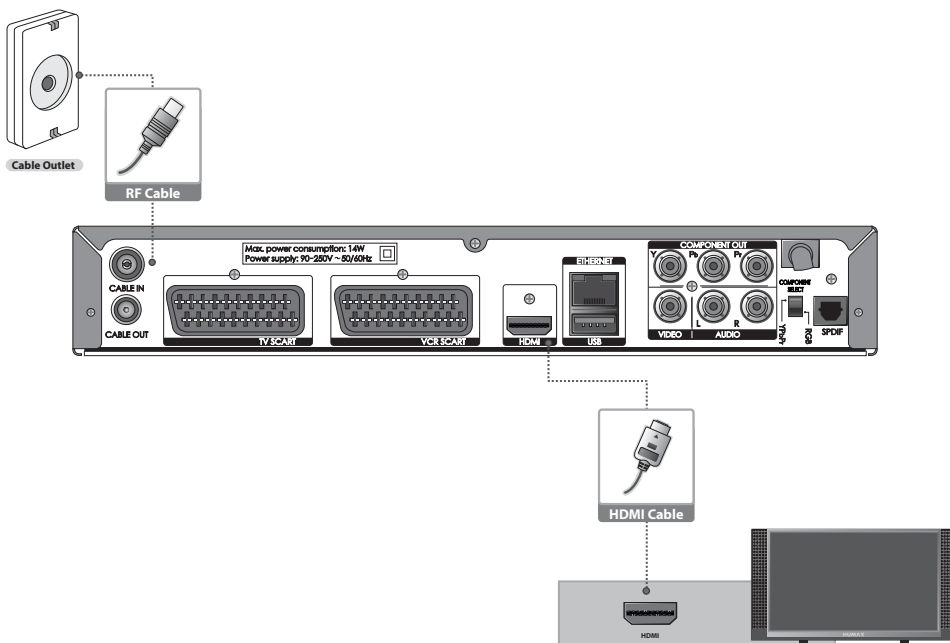
Note:

- 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.

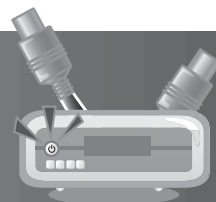
2.1 Using HDMI Cable

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

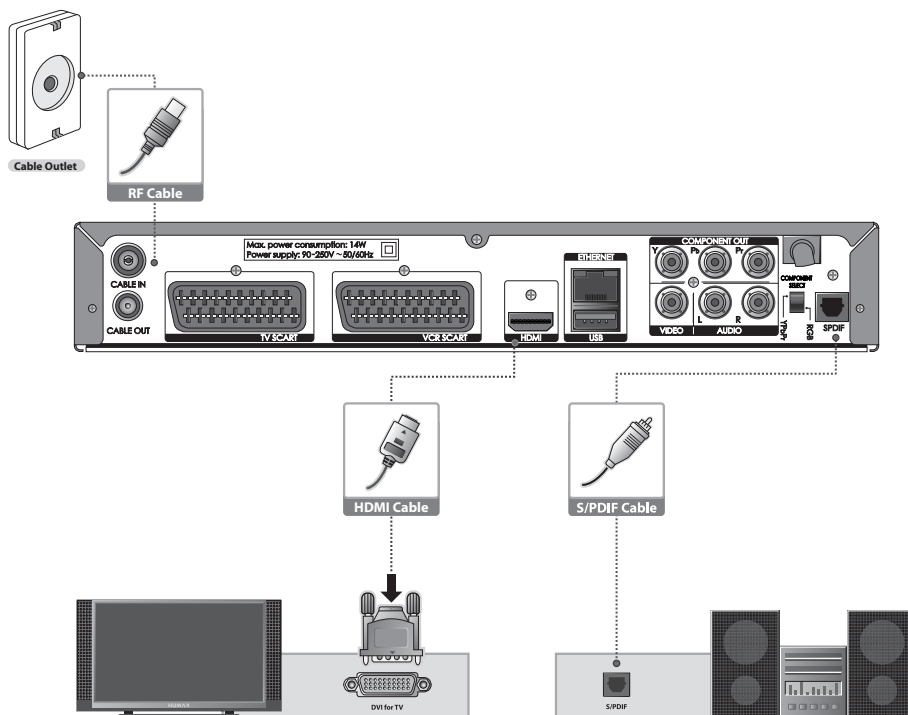


2.2 Using DVI Converter

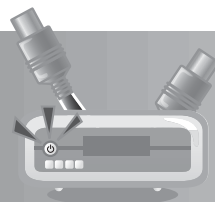
The DVI connection using an HDMI to DVI converter is recommended for Digital TV. In case the TV has a DVI input connector, connect the product to the TV with an HDMI cable using an HDMI to DVI converter as follows.

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



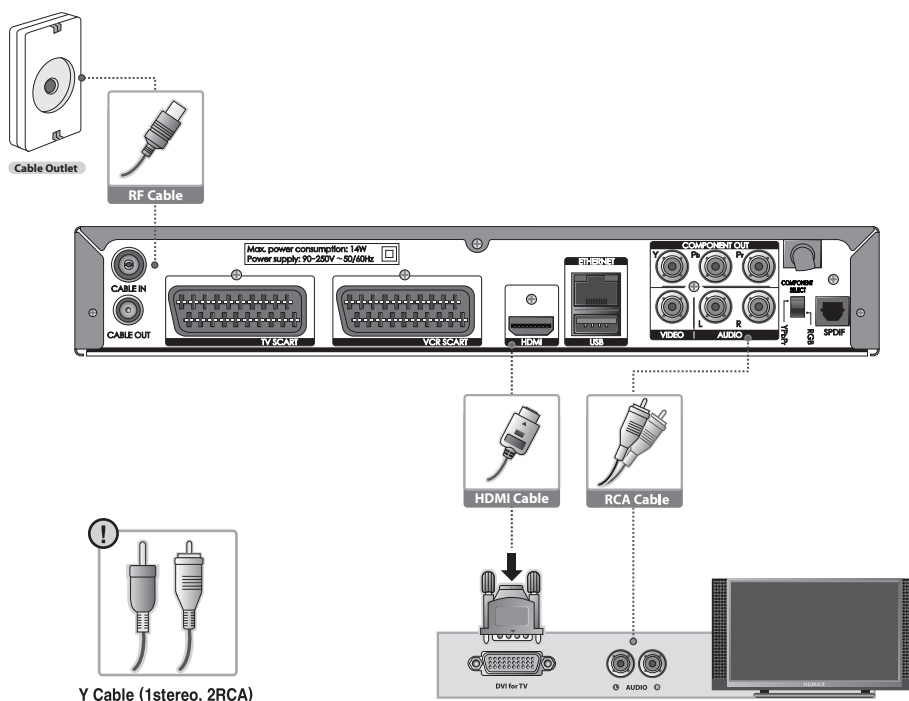
2. When there is no A/V receiver available

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

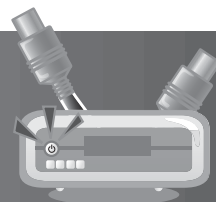
1. Connect your CATV line to the CABLE IN.
2. Connect the product and the TV using an RCA cable.
3. Connect one end of the HDMI cable to the HDMI input on the product and the other end to the HDMI to DVI converter.
4. Connect the DVI converter to the TV.

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

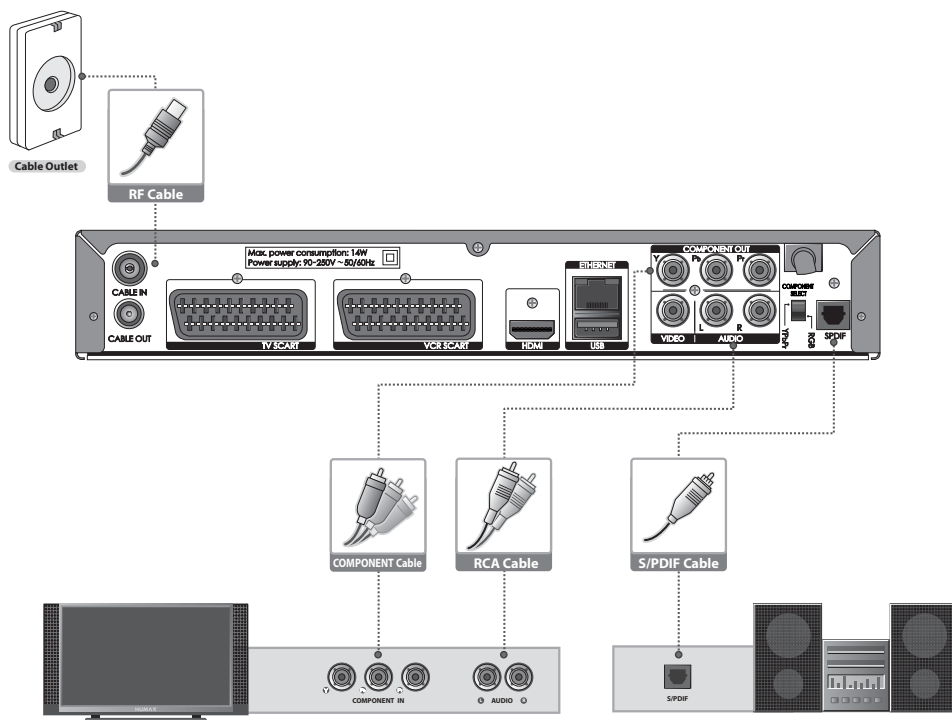
The component connection is recommended for Digital TV. Connect the product and the TV using a component cable as follows.

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

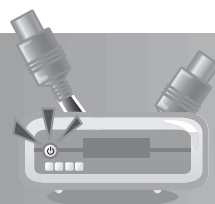
You can either:

3. 1) Connect the product and the TV using an RCA cable (Audio L/R).
- 2) Connect the product and the Dolby Digital decoder using an S/PDIF cable.

Note: The Component Select switch should be on YPbPr when using the component cable.



2. Setup

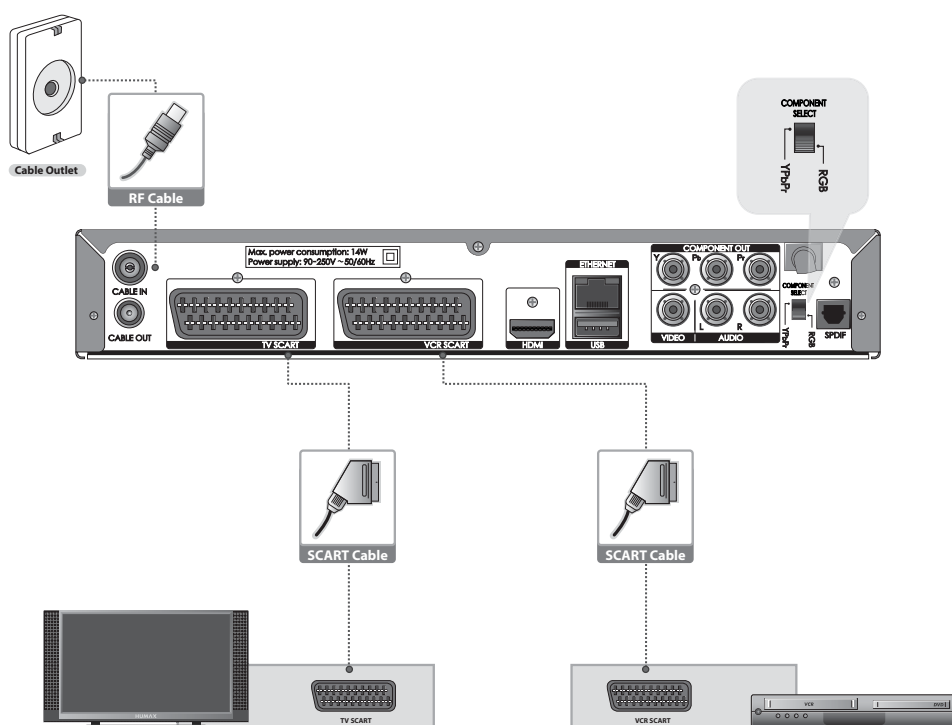


2.4 Using SCART Cable

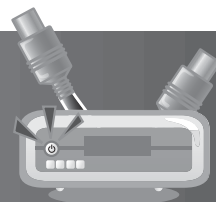
A SCART cable connection is recommended for analogue TV or VCR. Connect the product and the TV using a SCART cable as follows.

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: The Component Select switch should be on RGB when using the SCART cable.

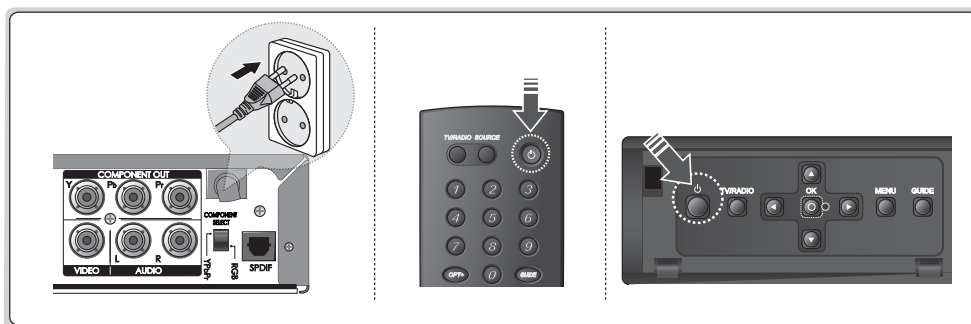


2. Setup



2.5 Powering On

1. Connect the power cord of the product to a wall outlet.
2. 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 will activate and the result will appear.

1. Enter **Frequency/ Symbol Rate/ Network ID** using the **NUMERIC (0-9)** buttons.
2. Select **Search** and press the **OK** button.
3. Please wait for finishing the channel search. If you want to stop the channel search, press the **OK** button.
4. Select **Save** and press the **OK** button to go to the next step.



3. Installation Wizard

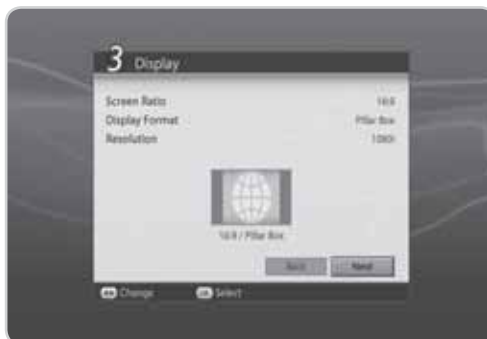


3.3 Display

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 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. Installation Wizard



3.5 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?	GB14~18	
Is the product connected to your TV?	GB14~18	
Is the power cord plugged in the wall outlet?	GB19	
Is the product in operation mode (not Standby mode)?	GB19	
Have you performed channel search in the installation wizard?	GB20	

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 **P-/P+** 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 **BACK** button.

4.2 Volume Control

You can adjust the audio volume. Press the **V-/V+** 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 **7.4.7 Display Format**.



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.
4. Press the **EXIT** button to close.

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





4. Basic Operation

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.



4.8 TEXT

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

1. Press the **TEXT** 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. To view the teletext page, use the **NUMERIC(0-9)** buttons.

Note: You can also select teletext using **SUBTITLE** button.



4. Basic Operation



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.

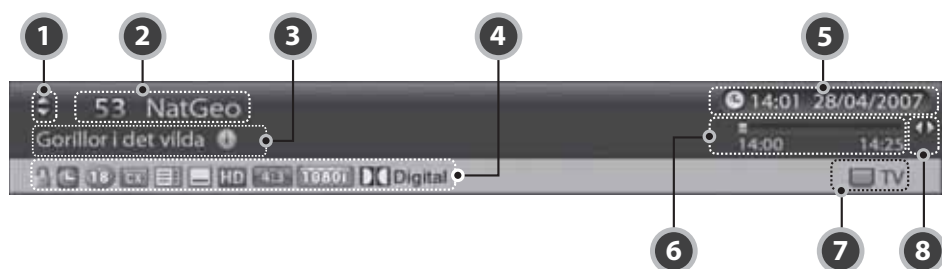
After switching to a channel, press the **◀/▶** button to display navigation mode.

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.



1. Next/previous channel
2. Channel number and name
3. Programme name
4. Icons



Displayed only when the channel is a locked channel.



Displayed only if the programme is reserved for watching.



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.



Displayed the screen ratio of the current programme.



Displays the resolution of the current programme.



Displayed only when the programme is broadcast in Dolby Digital.

4. Basic Operation



5. Current time & date
6. Programme broadcasting time and progress bar: Displays programme playing time and progress bar.
7. Group name: Displays the group the channel belongs to.
8. 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.

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.

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

My TV (RED)	The list of all TV and radio channels.
Favourite (GREEN)	The list of the favourite channels in five groups.
HD (YELLOW)	The list of all HD 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 and select a sub group using the **◀/▶** button.

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

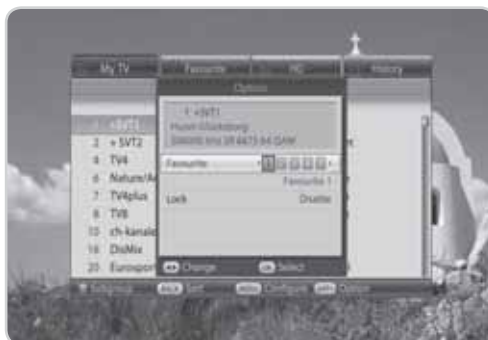


5. Channel List



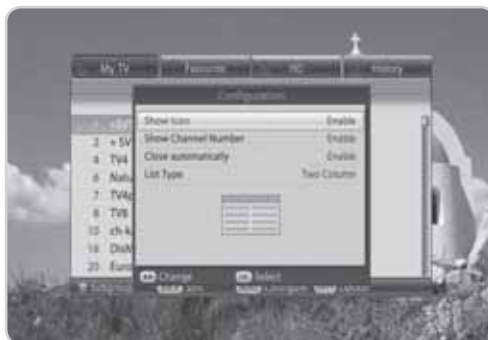
1. Option

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** using the **OK** button.
3. To display the channel number, enable **Show Channel Number** using the **OK** button.
4. To close the channel list automatically by pressing the **OK** button, enable **Close Automatically** using the **OK** button.
5. To change the list type, select **List Type** and select among **Simple**, **One Column** and **Two Column** using the **◀/▶** 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 sub group using the **◀/▶** button.



5.3 HD List

HD List is the list of 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 viewed 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** or **Recently Viewed** using the **◀/▶** button.



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 Table 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.
3. Move to the previous/next programme within the same channel using the **◀/▶** button.
4. Move to another channel using the **▲/▼** button. If the contents are more than one page, use the **P-/P+** button to skip to the next page. Enter the number of the channel you wish to move using the **NUMERIC(0-9)** buttons.
5. Select the programme you wish to view and press the **OK** button.
6. Press the **RED** button to enter to the quick navigation mode. Jump back/ahead two hours using the **◀/▶** button. Move to the previous/next day using the **▲/▼** button.
7. Press the **OPT+** button to change the channel group. Select the channel group using the **◀/▶** button and select the sub channel group using the **▲/▼** button.
8. You can reserve it if it is a future programme. Select a future programme and press the **OK** button. Select **Yes** and press the **OK** button. Select a reserved programme and press the **OK** button to cancel the reservation.
9. Press the **BACK** button to return to the current time.

Note:

- Press the **i** button to view the programme information.
- Press the **TV/RADIO** button to switch to TV or radio.



6. TV Guide



6.2 List Guide

1. Press the **GUIDE** button.
2. Press the **GREEN** button.
3. You can view the programme information for approximately a week. The features are similar as in grid guide.



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. Select a reservation and press the **OPT+** button to delete the reservation.

Note: Press the **BACK** button to sort the list in time or alphabetical order.



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 **OK** and press the **OK** button.



2. 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 and repeat frequency 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 keyword, genre, 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.
4. The search result of the entered values will appear.
5. To reserve a programme, select a future programme and press the **OK** button.

Note: Press the **OPT+** button to display seven of the most recent values that have been entered.



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.

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.

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** or **◀/▶** button.
3. Select **OK** and press the **OK** button.

7. Preferences



In this chapter you can set parental control, language setting, time 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.

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

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.

7.2 Language Setting

Language Setting enables you to set the basic language and subtitle options.

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/Audio/Subtitle Language

Menu/Audio/Subtitle Language allows you to choose from the given language options and set the language.

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

7. Preferences



2. 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.

3. 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 TEXT.

7. Preferences



7.3 Time Setting

Time Setting allows you to 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** and press the **►** button.
2. Enter the powering on time using the **NUMERIC(0-9)** buttons or select **Disable** using the **◀/►** 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.

3. Power OFF

You can select the time the product turns off automatically.

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

4. System Update Time

You can set the time you want to update system.

1. Select **System Update Time** and press the **►** button.
2. Enter the system update time using the **NUMERIC(0~9)** buttons or select **Disable** using the **◀/►** button.

7. Preferences



7.4 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.

3. Audio Output

You can select the audio output option.

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

7. Preferences



4. Dolby Digital Auto Selection

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

1. Select **Dolby Digital Auto Selection**.
2. Select **On** or **Off** 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 **BACK** 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**, **Letterbox** and **Pan & Scan** and press the **OK** button.
3. When choosing **16:9** as screen ratio, select among **Auto**, **Pillar Box** and **Zoom** and press the **OK** button.

8. Letter and Pillar Box Colour

You can set the colour for margin space according to the display format.

1. Select **Letter and Pillar Box Colour** and press the **OK** button.
2. Select **Black** or **Gray** using the **OK** or **◀/▶** button.

7. Preferences



7.5 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.

3. Power Saving in Standby

You can switch the product to power saving mode in standby.

1. Select **Power Saving in Standby** and press the **OK** button.
2. Select **On** or **Off** using the **OK** or **◀/▶** button.

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.

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

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.
4. You will be prompted to enter your password. Enter the password using the **NUMERIC(0-9)** buttons.



1. Locking/Unlocking Channels

1. Select the channel you want to lock and press the **OK** button.
2. Press the **RED** button.

Note:

- When all selected channels are locked, **Lock** is switched into **Unlock**. When you press **Unlock**, the locked channel is switched into an unlocked channel.
- 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 All/Release All

1. Press the **YELLOW** button to select all channels.
2. Press the **BLUE** button to release all channels.

8.2 Edit Favourite List

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

8. Edit Channels



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.

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.

8.3 Display History List

Display History List allows you to set the history list in the channel list to Enable or Disable.

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

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:

- When you select **Installation** and press the **OK** button, you will be prompted to enter your password. Enter the password to proceed.
- Press the **EXIT** button to save the changes and return to the previous menu. Press the **MENU** button to exit the menu screen.

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

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 enter the frequency using the **NUMERIC(0~9)** buttons.
5. Select **Symbol Rate** and press the **OK** and **◀/▶** button. If the required value is not available, select **User Define** and enter the symbol rate directly.
6. Select **Network ID** and enter the value using the **NUMERIC (0~9)** buttons.
7. Select **Search** and press the **OK** button.
8. Please wait for finishing the channel search. If you want to stop the channel search, press the **OK** button.
9. Press the **OK** button to save the result.



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:

- For more information about the software update, refer to **11. Software Update**.
- **Software Update** is activated when a new software is found.

9.3 Default Setting

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

Warning: Please note that once you perform **Default Setting**, all data such as 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 tuner.

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 tuner will be displayed.





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.





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. 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.

11.1 OTA (Over the Air)

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

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.

12. Appendix



12.1 Menu Map

	<ol style="list-style-type: none">1. Parental Control2. Language Setting3. Time Setting4. A/V Setting5. Other Settings
Preferences	
	<ol style="list-style-type: none">1. Edit Channel List2. Edit Favourite List3. Display History List
Edit Channels	
	<ol style="list-style-type: none">1. Channel Search2. Software Update3. Default Setting
Installation	
	<ol style="list-style-type: none">1. Status2. Signal Detection3. Conditional Access
System	

12. Appendix



12.2 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.
- 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. Reinsert the Smartcard and make sure it initializes correctly.
- Check in the menu that the product is detecting the Smartcard.
- Check in the menu that you have a valid and working subscription to the channels you wish to view.
- Ensure that the Smartcard is not damaged.

12. Appendix



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.

12.3 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 is scrambled or not available.	The channel has signal, but no video.	Confirm if the channel is currently on air.
	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 access	No subscription to this channel.	Make sure you are subscribed to the channel.
	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.
No card inserted.	Smartcard is not inserted.	Insert Smartcard.
Incorrect card	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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12.4 Specification

Tuner & Channel	
Input Connector	IEC 169-2 Female
Frequency Range	51 MHz~858MHz
Signal Level	-15dBmV~15dBmV
Demodulation	DVB-C(16QAM, 32QAM, 64QAM, 128QAM, 256QAM)
Input Symbol Rate	1.5~7MS/s
MPEG Transport Stream A/V Decoding	
Transport Stream	MPEG-2 ISO/IEC 13818 Transport Stream Specification
Profile Level	MPEG-2MP@ML, MPEG-2MP@HL, MPEG-4 AVC/H 264 HP@L4
Input Rate	15MB/s Max
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
Memory	
Flash Memory	8MB
RAM	128MB
EEPROM	8KB
Audio/Video	
Video	TV-SCART(CVBS,S-Video,RGB) VCR-SCART(CVBS, S-Video) RCA-Typ(CVBS), YPbPr(RCA), HDMI/HDCP
Audio	TV-SCART, VCR-SCART, Audio L/R, S/PDIF(Digital Audio Output)
Data Port	
USB	USB 2.0 Host (5 V $\overline{=}$ 100mA Max.)

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Power Supply	
Input Voltage	90-250V a.c., 50/60Hz
Type	SMPS
Power Consumption	Max. 14W
Protection	Separate internal fuse. The input should be protected against lightning.
Physical Specification	
Size	280mm×200mm×45mm
Weight (Net)	1.5 Kg
Operating Temperature	0 °C to +45 °C
Storage Temperature	-10 °C to +70 °C

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12.5 Glossary

- **Coaxial Cable**
A cable designed to conduct RF signals. To connect a two devices cable will usually have one female and one male connector.
- **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.
- **Frequency**
The property of a signal measured in cycles per second (=Hz).
- **RGB (Red – Green – Blue)**
A technology for transmitting video signals via a cable. RGB is a system to represent red, green, and blue colours on a TV or monitor display. Red, green, and blue can be combined in various proportions to obtain any colour.
- **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.
- **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.
- **Signal Strength**
An on-screen graphic menu that displays how strong the digital signal you are receiving is.
- **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.

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12.6 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.

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: techinfoau@humaxdigital.com
Website: www.humaxdigital.com/australia
Language: English

Italia

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

Sverige

Tfn: +46 (0)550 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

Note: For hardware repair, please visit our website.



ROHS/MANUAL/CXHD5000C/200GBSV(COMHEM)



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