Digital Terrestrial Receiver
Digitaalinen kaapelivastaanotin
Digital kabel-tv-mottagare
Digital kabelmottaker
digital kabelmodtager

CONAX embedded
CONAX-salaus
Inbädded CONAX
CONAX innebygd
CONAX integreret

CX-1201C

User's Manual
Käyttöopas
Användarhandbok
Brukerhåndbok
Brugemanual

HUMAX
your prime time

Notice

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Warranty

Trademarks

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Thank you for purchasing a HUMAX Digital Cable Receiver. Please read this user manual carefully to be able to safely install, use and maintain the receiver at maximum performance. Keep this user manual next to your receiver for future reference.

Notice

Read this manual carefully and make sure you understand the provided instructions. For your safety, check what the result each action will be.

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, if not avoided, could result in (serious) injury.

- **Caution**
  Indicates a situation which, if not avoided, could damage the equipment or other apparatus.

- **Note**
  Indicates additional information to the user to make the user aware of possible problems and information of any importance to help the user to understand, to use and to maintain the installation.

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.

Safety and Warning

This digital cable receiver 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 AC 50/60Hz
   Operate your product only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your local power company. Disconnect the receiver from the mains before you start any maintenance or installation procedures

2. **OVERLOADING**

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

3. **LIQUIDS**

   The receiver should not be exposed to any liquids such as dripping or splashing. In addition, no objects filled with liquids, such as vase, should be placed on the apparatus.

4. **CLEANING**

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

5. **VENTILATION**

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

6. **ATTACHMENTS**

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

7. **CONNECTION TO THE CABLE TV SIGNAL AND TV**

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

Safety and Warning

8. LOCATION

Place the receiver indoors to avoid exposing it to lightning, rain or sun.
Do not place it near a radiator or heat register.
Make sure it has more than 10 cm clearance from any appliances susceptible to electromagnetic influences, such as a TV or a VCR.
Do not block these 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 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 from where it can fall. A falling product can cause serious injury to a child or adult, and serious damage to the appliance

9. 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.

10. EXTRANEOUS OBJECTS

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

11. REPLACEMENT of PARTS

When replacement parts are 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. Follow these directions in order not to damage the power cord or plug.
   Do not modify or process the power cord or plug arbitrarily.
   Do not bend or twist the power cord too much.
   Make sure to disconnect the power cord with the plug held.
   Keep heating appliances as far as possible from the power cord in order to prevent the cover vinyl from melting.

2. Follow these directions. Failure to follow one of them may cause electrical shock.
   Do not open the main body.
   Do not insert metals or inflammable objects inside the product.
   Do not touch the power plug with wet hands.
   Disconnect the power cord in case of lightning.

3. Do not use the product when it is out of order. If you continue to use the product when defective, a serious damage can be caused toit. Make sure to contact your local product distributor if the product is out of order.

4. Please do not insert metal or alien substance into the slots for the modules and smart cards. In doing so can cause damage to the STB and reduce its life span.

Contents

Contents

1. Before Using the Receiver

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

1.1 Package Contents

Please check all package contents before using your receiver.

Remote Control Unit (1)   **User's Manual (1)**   **Batteries (2)**
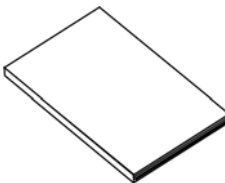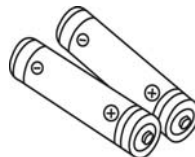
Note: Since faults may occur if the remote controller is left without a battery for a long time, always keep the battery inserted in the remote controller.

1. Before Using the Receiver

1.2 Front Panel

1. **STANDBY LED**

   Red light is displayed when the product is in the standby mode.
   Green light is displayed when the product is in operation.

2. **SMART CARD SLOT**

   Slot for a smart card.

1.3 Rear Panel
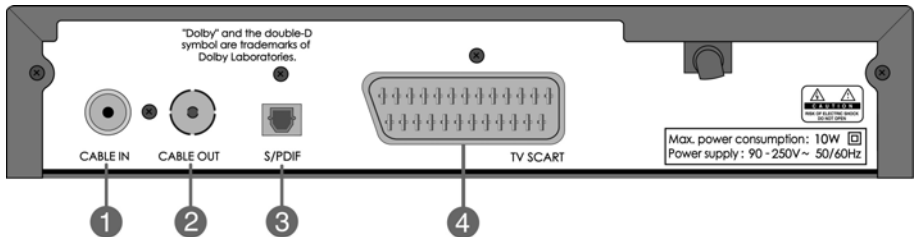
1. **CABLE IN**

   Connects a cable to a CABLE input jack on the STB.

2. **CABLE OUT**

   Connects a cable to a CABLE input jack on the STB as a loop-through.

3. **S/PDIF**

   Output for connection to a digital amplifier.

4. **TV SCART**

   Connects a TV SCART cable.

1. Before Using the Receiver

1.4 Remote Control
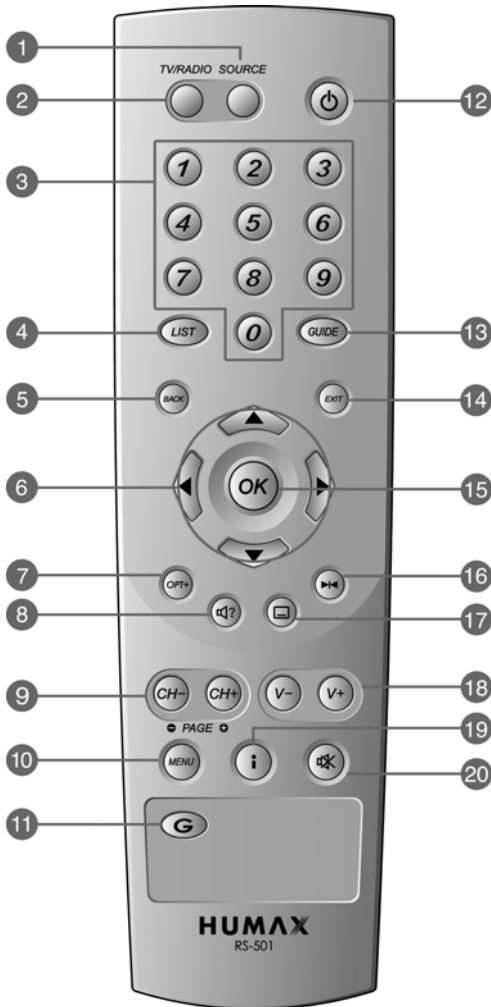
1. SOURCE	6. ARROW BUTTONS	11. G (Game)	16. FREEZE
2. TV/RADIO	7. OPT+ (OPTION)	12. STANDBY	17. SUBTITLE
3. NUMERICAL BUTTONS	8. SOUNDTRACK	13. GUIDE	18. V-/V+
4. LIST	9. CH-/CH+ and PAGE-/PAGE+	14. EXIT	19. i (INFORMATION)
5. BACK	10. MENU	15. OK	20. MUTE

1. SOURCE

Selects the input source between TV and cable receiver.

2. TV/RADIO

Switches between TV and Radio modes.

3. NUMERICAL BUTTONS

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

4. LIST

Displays the channel list.

5. BACK

Returns to the previous menu and screen.

6. ARROW BUTTONS

Changes the channel or move the cursor to the up, down, left or right menu option.

7. OPT+ (OPTION)

Displays the channel attributes during watching a programme.

8. SOUNDTRACK

Displays the Soundtrack.

9. CH-/CH+ and PAGE-/PAGE+

Changes the Channel or Page.

10.MENU

Displays the main menu.

11.G (Game)

Displays the Game.

12.STANDBY

Switches between Operation and Standby modes.

13.GUIDE

Displays the Programme Guide.

14.EXIT

Exits the main menu or Guide screen.

15.OK

Selects a menu, or confirms the selected operation. And displays the channel list during watching a programme.

16.FREEZE

Freezes the TV screen you are watching. Play the audio continuously.

17.SUBTITLE

Changes the subtitle language.

18.V-/V+

Adjusts the audio volume.

19.i (INFORMATION)

Displays the information about the channel and programme.

20.MUTE

Pauses the audio temporarily. That is, volumes on/off temporarily.

2. Setup

This chapter describes how to set up the receiver. Select the most appropriate procedure depending on your *requirements.*

Note: If you encounter any problem when setting up the receiver, please contact your local product distributor.

2.1 Connecting the Antenna

1. Connecting TV
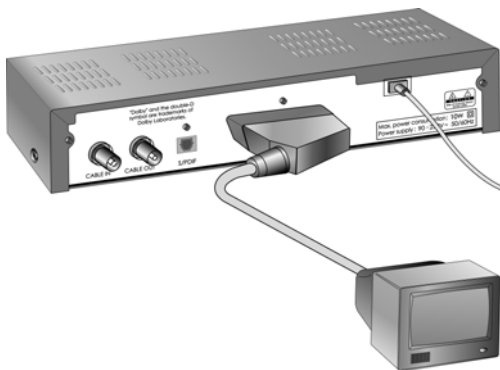
- Connect your CATV line to the CABLE IN socket on the STB for receiving cable services
- TV Scart are connected as in the figure above.
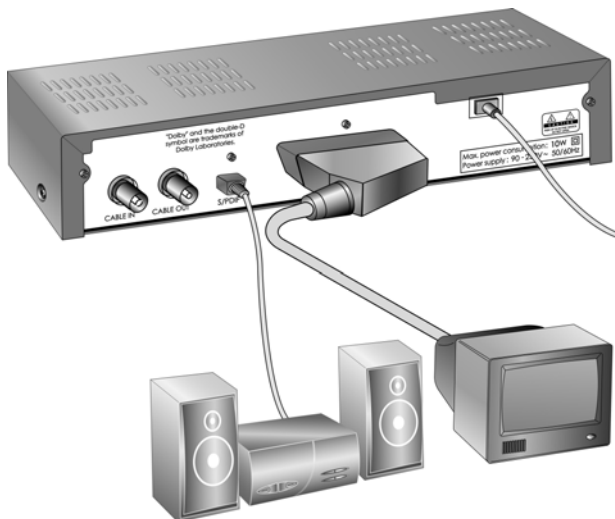
If you are watching a programme with a Dolby Digital soundtrack, you can enjoy the higher quality sound of the Dolby Digital audio by connecting the STB to an external Dolby Digital amplifier. Do this by connecting the optical S/PDIF output of the STB to the optical S/PDIF input of the external Dolby Digital amplifier.

2.2 Powering On

1. Connect the power cord of the receiver to a wall outlet.
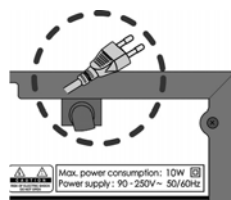
2. Power on by pressing the **STANDBY (⊙)** button at Remote Controller or the STANDBY button at the front of the receiver.

3. Installation Wizard

When powering on your receiver for the first time after purchasing, the Installation Wizard is automatically started.

You can easily set-up using simple organisation and options, and watch the broadcasting after completing the set-up procedure. You can select items using the **NUMERICAL** (0-9) buttons.

Note: If you press the **BACK** ((⊙)) button or select **Back** and press the **OK** ((⊙)) button while running the **Installation Wizard,** you can return to the previous screen

3.1 Language

Select the appropriate language from the list using the ▲/▼ button and press the **OK** ((⊙)) button to save the selected language as a default language.

Note: The display language could be different according to country.

3.2 Country Setting

You can select country.

Select the appropriate country from the list using the ▲/▼ button and press the **OK** ((⊙)) button.

Note: The display area could be different according to country.

3.3 Automatic Search

You can automatically start to search .

Please wait for finishing the Automatic Search. If you want to stop the Automatic Search, press the **OK** ((⊙)) button.

If the Automatic Search is stopped or finished, you must press **Save** to save the searched result and go to the next step.

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3. Installation Wizard

3.4 Time Setting

You can set the current time.

Press the **OK** (⊙) or ▶ button to display the values for *GMT Offset.*

Select the appropriate GMT Offset value using the ▲/▼ button and press the **OK** (⊙) button to set the current time. Then select *Next* using the ▲/▼ button and press the **OK** (⊙) button to finish Installation Wizard.

Warning: Press the **EXIT** (⊙) button to save the previous input information and exit the Installation Wizard when running the Installation wizard.

4. Basic Operation

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

4.1 Switching Channel

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

1. Press the **CH-/CH+ (⊙/⊙)** button.
2. Enter your desired channel numeric using the **NUMERICAL** (0~9) buttons to move to the channel directly.
3. Press the **TV/RADIO (◯)** button to switch between TV channel and Radio channel.

Note: You can switch channel using the Programme Guide or Channel List. Please refer to Chapter 5 and 6 for more information.

4.2 Volume Control

1. Press the **V-/V+ (⊙/⊙)** buttons to adjust the audio volume.
2. Press the **MUTE (⊛)** button to stop the sound temporarily.

4.3 Motion Still

Press the **FREEZE (⊙)** button at remote controller to pause the current programme. Press the **FREEZE (⊙)** button again to continue the programme.

4.4 Change the Subtitle Language

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

1. Press the **SUBTITLE (⊙)** button to display the subtitle language list.
2. Select your desired subtitle language using the ▲/▼ button, and press the **OK (⊛)** button. Then the subtitle will be displayed in the selected language at the bottom of the screen.
3. Select *OFF* from the subtitle language list not to display subtitle from the screen.

Note: You can select a default subtitle language by selecting *MENU - Preferences - Language Setting - Subtitle Language.*

4.5 Change an Audio Language

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

1. Press the **SOUNDTRACK** (⊙) button to display the *soundtrack list.*
2. Select your desired audio language using the ▲/▼ button to change Audio immediately.
3. Select Audio Direction (left, right, stereo) using the ◀/▶ button.
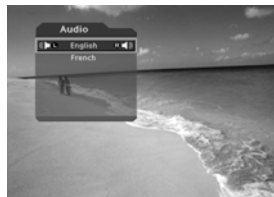
Note: You can select your desired default audio language by selecting *MENU - Preferences - Language Setting -Audio Language.*

4.6 Programme Information (i-plate)

Programme information is always displayed for a specific 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.

4. Basic Operation

1. General Information

General Information is displayed as follows on the screen.

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

   🔢   Displayed only if this programme is reserved.

   ⑬   Represents parental level. It indicates the minimum level of ages that the
           programme is targeted at.

   🔒   Displayed only when the channel is a locked channel.

   ▢   Displayed only when the channel is a scrambled channel.

   ▬   Displayed only when subtitle information is available.

   ▤   Displayed only when there is any teletext information.

   ▯▮ Digital   Displayed only when the programme is a dolby digital one.

4. Current time
5. Detail programme information: displayed if detailed programme information is provided.
6. Channel change mode and Channel List Name : if you select *Within the current channel list*
   by selecting *MENU - Edit channels - Channel Change Mode,* the Icon of Channel change
   mode is displayed. And cchannel list, which you selected, is displayed.
7. Programme broadcasting time and progress bar: displays programme playing time and
   progress bar.
8. Next programme Information : displayed if next programme information is provided. Press the
   ▶ button to display the next programme information.

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

2. Detail Programme Information

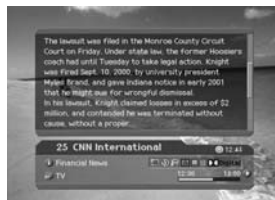You can see detailed information about the current programme.
Press the **i** ((i)) button where I-plate is displayed to view
detailed information.

Note:

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

4.7 Option List

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

Note: Press the **OPT+** ((opt)) button when the channel list is displayed to view *Option List.* Then
the following functions in the option list are performed to the current channel where cursor
is located.

1. Add a channel to favourite group.

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

1. Press the **OPT+** ((opt)) button.
2. Select *Favourite* using the ▲/▼ button, and press the
   OK ((ok)) or ▶ button.

3. Select *favourite group* using the ▲/▼ button and press
   the **OK** ((ok)) button to register for Favourite Group
4. Press the **OK** ((ok)) button again on the selected
   Favourite Group to release the registered channel.
5. Move to the parent menu using the ◀ button to save the
   changes automatically.

Note: For detailed information about how to change
Favourite Group's name and how to register
Favourite Channel for the whole channels, refer to
Chapter 5.

4. Basic Operation

2. Lock/Unlock a Channel

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

1. Press the **OPT+** ((ᴼᴾᵀ⁺)) button.
2. Select **Lock** using the ▲/▼ button, and press the **OK** ((ᴼᴷ)) or ▶ button.
3. Select **Lock** option using the ▲/▼ button, and press the **OK** ((ᴼᴷ)) button.

4. Select **Unlock** option using the ▲/▼ button, and press the **OK** ((ᴼᴷ)) button.
5. You will be prompted to enter your password. Enter your password to unlock the channel.
6. Move to the parent menu using the ◀ button to save the changes automatically.

Note: When switching to the locked channel, you must enter the password to watch a programme.

3. Delete a Channel

You can delete the current channel while watching a programme.

1. Press the **OPT+** ((ᴼᴾᵀ⁺)) button.
2. Select **Delete** using the ▲/▼ button, and press the **OK** ((ᴼᴷ)) or ▶ button.
3. Select **Yes** in the confirmation message and press the **OK** ((ᴼᴷ)) button.

4. Enter password using the **NUMERICAL** (0~9) buttons to delete the current channel and move to the next channel.

5. Channel List

Three types of channel lists are provided for easy and quick channel searching.

TV The list of all TV channels with 2 sub-groups: one is sorted by channel number, the other is sorted by channel name.

Radio The list of all Radio channels with 2 sub-groups: one is sorted by channel number, the other is sorted by channel name.

Favourite The list of the favourite channels with 5 sub-groups that you can organise channels by your private taste.

5.1 Displaying and Switching Channel List

You can display channel list using **LIST** (⬚) button and switch into other channel on the channel list.

1. Press the **LIST** (⬚) button while watching a programme to display the selected channel list.

2. Select your desired channel using the ▲/▼ button and press the **OK** (⬚) button to change the channel.

3. Enter the channel numeric directly using the **NUMERICAL** (0~9) buttons to move cursor into your desired channel. And then press the **OK** (⬚) button to change into the selected channel.

4. Select *On* by going to *MENU - Preferences - Miscellaneous - Option in CH List* to display scramble icon in the channel list.
Select *Off* by going to *MENU - Preferences - Miscellaneous - Option in CH List* to display only channel list without scramble icon.

Note:

• If there are multiple channels, press the **PAGE-/PAGE+** (⬚/⬚) button to move by channel.

• Whenever you press the **TV/RADIO** (◯) button while the channel list is displayed, the channel list will be switched between TV and Radio channel list.

5. Channel List

5.2 Changing Channel List Group

You can select channel list by group.

1. Press the ▶ button while the channel list is displayed to view the group list.
2. Select your desired channel group using the ▲/▼ button to display its sub-groups.
3. Press the **OK** (⊙) or ▶ button, select your desired sub-group using the ▲/▼ button, and then press the **OK** (⊙) button.

4. The channel list for the selected sub-group is displayed.

Note:

- The sub-group of Favourite channel list may exist or not depending on your configuration. And The sub-group of Scramble channel list may exist or not depending on the result of Channel Search.
- If *Within the Current Channel List* option is selected from *MENU - Edit channels - Channel Change Mode menu,* you can only change programme within the selected channel list using the **CH+/CH-** (⊙/⊙) while your watching a programme.

5.3 Edit Channels

You can edit all channels or each channel by channel list group.

1. Press the **MENU** (⊜) button.
2. Select **Edit Channels** using the ▲/▼ button, and press the **OK** (⊚) or ▶ button.
3. Select **Edit Channel list** using the ▲/▼ button, and press the **OK** (⊚) or ▶ button.
4. You will be prompted to enter your password. Enter your password using **NUMERICAL** (0~9) button.

Note:

- Press the **BACK** (⊜) or ◀ button to save the changes and return to the previous menu. Press the **MENU** (⊜) or **EXIT** (⊜) button to exit the Menu screen.

- You can easily navigate all menus using the assigned numeric for each menu. Press the **NUMERICAL** (0~9) buttons for each menu. Press the **MENU - 2 - 1** in that order on the remote controller to select the **Edit Channel List** menu.

1. Select a Channel Group

You can select the channel list group to edit. TV or Radio, and the sub-groups from the Channel Search for Scramble Channel Lists are included as Channel List Groups.

1. Press the **OK** (⊚) or ▶ button in group to display **Channel List Group.**
2. Select your desired **Channel List Group** using the ▲/▼ button, and press the **OK** (⊚) button.

Note:

- Press the **TV/RADIO** (◯) button to move to **TV** or **RADIO channel list** directly.

- For editing **Favourite channel list,** move to **MENU - Edit Channels - Edit Favourite Channels** menu.

5. Channel List

2. Delete Channels

You can delete one or more channels.

1. Move the cursor to the channel list using the ▲/▼ button.
2. Select your desired channel, and then press the **OK** (⊙ₖ) button to delete the channel(s). You can select multiple channels.
3. Select *Delete* on the right using the ▶ button, and press the **OK** (⊙ₖ) button.
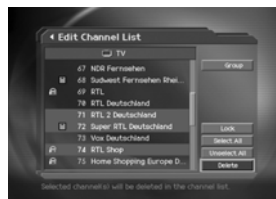
3. Lock/Unlock Channels

You can lock or unlock one or more channels.

1. Move the cursor to the channel list using the ▲/▼ button.
2. Select your desired channel, and then press the **OK** (⊙ₖ) button to lock/unlock the channel(s). You can select multiple channels.
3. Select *Lock* in the right using the ▶ button, and press the **OK** (⊙ₖ) button.
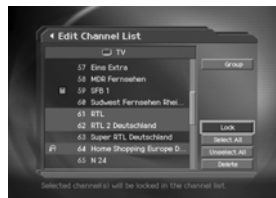
Note:

- Only if locked channel(s) is selected or all channels are locked, *Lock* is switched into *Unlock.* When you press *Unlock,* locked channel is switched into unlocked channel.
- Enter password using the **NUMERICAL** (0~9) button to watch locked channel.
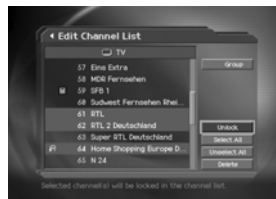
4. Select/Unselect All Channels

You can select/unselect all channels at a time.

1. Select *Select All* in the right and press the **OK** (⊙ₖ) button to select all channels.
2. Select *Unselect All* in the right and press the **OK** (⊙ₖ) button to unselect all the selected channels.

5.4 Edit Favourite Channels

You can edit Favourite channel or Favourite channel list.

1. Press the **MENU** ((≡)) button.
2. Select **Edit Channels** using the ▲/▼ button, and press the **OK** ((ok)) button.
3. Select **Edit Favourite Channels** using the ▲/▼ button, and press the **OK** ((ok)) or ▶ button.

Note:

- Press the **BACK** ((ok)) or ◀ button to save the changes and return to the previous menu. Press the **MENU** ((≡)) or **EXIT** ((exit)) button to exit the Menu screen.
- You can easily navigate all menu items using the assigned numerical button for each menu. Press the **MENU - 2 - 2** in order on the remote controller to select the **Edit Favourite Channels** menu.

The buttons for editing the Favourite channel list are described in the following table.

▶	Add	Adds Favourite channel.
◀	Remove	Removes from the Favourite channel.
♪	TV/Radio	Switches between TV and Radio channel list.
🎚	Fav.Group	Changes Favourite channel list group.
↻	Move	Moves the order of channel list within the Favourite channel list.
✎	Rename	Renames the name of Favourite channel list.
abc	Sort	Sorts channels by number or name in all TV/Radio channel list.
✎	Unselect All	Unselect all the selected channel.

5. Channel List

1. Add/Remove favourite channels

You can add favourite channel(s) to a specific Favourite channel list or remove the added favourite channel(s) from the list.

1. Select *Favourite Group* using 🔁 .

2. Select your desired channel(s) in all TV/Radio channel list, and press ▶ to add Favourite channel(s).

3. Select your desired channel(s) in Favourite channel list, and press ◀ to remove Favourite channel(s).

Note: You can switch between TV and Radio channel list using **TV/RADIO** (◯) button or 🔁 at remote controller.

2. Move favourite channels

You can move favourite channel(s) to your desired location within the Favourite channel list.

1. Select *Favourite Group* using 🔁 .

2. Select your desired channel to move within the Favourite channel list and press the **OK** (⊛) button.

3. Select ◀ , and press the **OK** (⊛) button.

4. Move the cursor to your desired location using the ▲/▼ button, and press the **OK** (⊛) button.

5. The selected channel(s) is moved to the desired location you selected.

3. Rename a favourite channel list

You can rename Favourite channel list.

1. Select Favourite group to rename using 🔁 .

2. Select ▢ , and press the **OK** (⊛) button.

3. Enter the *Favourite channel list* name using the keyboard displayed on the screen.

4. When finishing entering the Favourite channel list name,
   select *OK,* and press the **OK** (ⓞⓚ) button.

4. Additional Features

Additional Features provides many useful functions which are necessary to add Favourite Channel.

Change between TV and Radio channel list

You can add not only TV channel(s) but also Radio channel(s) to Favourite channel list. Press 🎵 to
switch all channel list into TV or Radio channels.

> **Note:** You can also change into TV or Radio channel by pressing **TV/RADIO** (◯) button at
> remote controller.

Select a favourite channel list

You can select your desired Favourite channel list to edit. Press
🔳 to display the Favourite channel list. Then select your
desired channel list using the ▲/▼ button, and press the **OK**
(ⓞⓚ) button.

Sort a channel list

You can sort all TV or Radio channel lists by channel number or name for easy Favourite channel
searching. If channel lists are sorted by channel number, abc is displayed. When you press this
button, all the channel lists are sorted by name. Or, if channel lists are sorted by channel name, abc
is switched into 123 . Press this button to order channels by number.

Unselect all the selected channels

Press 🔲 button to unselect all the selected channel.

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5. Channel List

5.5 Channel Change Mode

You can change the channel either in the group or in the entire groups while watching a programme.

1. Press the **MENU** (⊙) button.
2. Select *Channel Change Mode* using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.
3. Select *All Channels* or *Within Current Channel List* using the ▲/▼ button, and press the **OK** (⊙) button.

Note: When *Within the current channel list* in *Favourite Group* option is selected, you can only change the channel within the current channel list. To change the channel in another channel list in which the current channel list is not located, change the channel list or select *All channels* option.

6. Programme Guide

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

6.1 Viewing Programme Guide Information

You can view programme information for all channels.

1. Press the **GUIDE** (⒢) button.

2. Move to previous or next programme within the same channel using the ▲/▼ button.

3. Move to another desired channel using the ▲/▼ button. If there are multiple channels, use **PAGE-/PAGE+** (⒞/⒞) button to move to channels by page. Also, you can enter your desired channel number using the **NUMERICAL**(0~9) button on the remote controller to move to the channel directly.

4. Select your desired programme, and press the **OK** (⒪) button. Then you can watch the programme if it is on air, or you can reserve it if it is the following programme.

5. Press the **i** (⒤) button in the selected programme to view **Extended Information** for the selected channel.

1. Viewing Guide Information by Groups

You can view programme information for desired channel list by groups.

1. Press the **GUIDE** (⒢) button.

2. Press the **Red** button to display the channel list group.

3. Select your desired channel list group using the ▲/▼ button to display the appropriate sub-group.

4. Move the cursor to the sub-group using the ▶ button, select your desired sub-group using the ▲/▼ button, and then press the **OK** (⒪) button.

5. The Programme Guide for selected channel list is displayed.

6. Programme Guide

2. Viewing Programme Information Using Time Bar

You can quickly search for your desired time zone using the Time bar.

1. Press the **GUIDE** (⊚) button.
2. Press the **Green** button to display *Time Bar.*
3. Select the *Time Bar* button using the ▲/▼ button, and press the **OK** (⊚) button to move as your desired amount of time. If you press the button repeatedly, the same operation is repeated.
4. Each button functions as follows.

    Now   Moves to the current programme where the cursor is located.

    ◄   Moves to the previous programme or 30 minutes before.

    ►   Moves to the next programme or 30 minutes after.

    ◄◄   Moves to 2 hours before.

    ►►   Moves to one day before.

    ◄Day   Moves to one day before.

    Day►   Moves to one day after.

5. Select ▲ button and press the **OK** (⊚) button to exit the Time Bar.

Note: Guide provides programme information from the previous day to the next 7 days.

3. Reserving (Reserving a Watching)

You can automatically reserve your desired programme by selecting the scheduled programme and pressing the **OK** (⊚) button.

1. Select the desired programme and press the **OK** (⊚) button. The following message will be displayed.
2. Select *Yes* and press the **OK** (⊚) button to reserve the programme. When a reservation has been completed, the 🔟 icon is displayed on the reserved programme.
3. Select *No* and press the **OK** (⊚) button not to reserve the programme.
4. If the channel is locked, parental controlled or restricted by watching time, you will be prompted to enter your Password. Enter your Password to complete the reservation.

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6.2 Finding a Programme

You can find your desired programme by programme name or genre easily.

1. Press the **GUIDE** (⌨) button.
2. Press the **Blue** button to display *Find* screen.
3. Enter the programme name directly using the keyboard displayed on the screen.

4. When completing entering programme name, select the *Find* button, and press the **OK** (⌨) button.
5. If you select your desired programme from the results of finding programme screen and press the **OK** (⌨) button, you can watch the programme if it is on air, or you can reserve your programme if it is scheduled(the following programme).

6. Select *By Genre* and press the **OK** (⌨) button to search programme by genre.
7. Select your desired genre and press the **OK** (⌨) button.
8. As the result screen of Find programme by Name, select your desired programme from the Results of Finding Programme screen and press the **OK** (⌨) button to watch the programme immediately or reserve the programme.

Note: If you press *Previous* or *Next* button on the Keyboard displayed on the screen, the keyboard layout is switched.

Note: The results of the finding programme may differ depending on the provided programme information.

6. Programme Guide

6.3 Viewing Reserved Programme

You can add or edit reserved programmes by viewing the reserved programme list.

1. Press the **GUIDE** (GUIDE) button.
2. Press the button to display the *Schedule* screen.
3. Select the scheduled programme and press the **OK** (OK) button to edit the reservation information.

4. Select vacant list and press the **OK** (OK) button to add a new reservation schedule.

1. Editing a Reserved Programme

1. Change the reserved Start Time using the ◀/▶ button and the **NUMERICAL** (0~9) buttons.
2. Change the reserved End Time using the ◀/▶ button and the **NUMERICAL** (0~9) buttons.
3. Change the Repeat mode using the ◀/▶ button. The options are *Once, Daily,* and *Weekly.*

4. Select the *Delete* button and press the **OK** (OK) button to delete the reserved programme.
5. Select the *Cancel* button and press the **OK** (OK) button to cancel the editing.
6. Select the *Save* button and press the **OK** (OK) button to complete the editing.

2. Adding a Reservation

1. Enter your desired channel number using the **NUMERICAL** (0~9) button. The channel name is automatically displayed by channel number.
2. Enter your desired Start Time using the ◀/▶ button and the **NUMERICAL** (0~9) button.
3. Enter your desired End Time using the ◀/▶ button and the **NUMERICAL** (0~9) button.

4. Select one of repeat mode options among *Once, Daily,* and *Weekly* using the ◀/▶ button.
5. Select the *Save* button and press the **OK** (ⓞⓚ) button to complete entering.
6. Select the *Cancel* button and press the **OK** (ⓞⓚ) button to cancel the reservation.
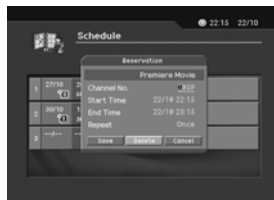
Note:

- You can reserve up to 20 programmes.
- If your desired programmed is already reserved, adjust the reservation appropriately.
- If the channel is locked, restricted by watching time, you will be prompted to enter your Password to complete the reservation.

7. Setting Preferences

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

Note:

- Press the **BACK** (⊙) or ◀ button to save the changes and return to the previous menu. Press the **MENU** (⊙) or **EXIT** (⊙) button to exit the Menu screen.
- You can easily select any item from the menu using the **NUMERICAL** (0~9) buttons.

7.1 Parental Control

You can set parental control for each programme and watching time. You can also change your Password.

1. Press the **MENU** (⊙) button.
2. Select the *Preferences* using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.
3. Select the *Parental Control* using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.

4. When a prompting message is displayed to request your password, enter the password using the **NUMERICAL** (0~9) button.

1. Setting Censorship

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

1. Select the *Censorship Classification* using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.
2. Select your desired age level using the ▲/▼ button, and press the **OK** (⊙) button.

View All	All programmes can be watched because there is no age limitation.
7	Programmes are blocked for children under the age of 7.
12	Programmes are blocked for children under the age of 12.
15	Programmes are blocked for children under the age of 15.
18	Programmes are blocked for children under the age of 18.
Lock All	Programmes are blocked without considering the age level.

Note: You have to enter Password to watch the programme which is blocked by the age level.

2. Setting Allow Watch Time

You can block programmes according to the watching time for all the channels.

1. Select theNow *Allow Time Control* using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.
2. Select Enable or Disable the *Allow Time Control* using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.Now

Disable	You can watch whenever you want regardless of Allow Time.
Enable	You can watch only while the time specified by Allow Time.

3. When you have selected *Enable,* set the Start and End Time using the **NUMERICAL** (0~9) buttons, and press the **OK** (⊙) button.
4. If you wish to cancel the entered time, select the *Cancel* button, and press the **OK** (⊙) button.

Note: Once the setting has been completed, you can watch programme only while the time specified by Allow Time. Or you should enter the Password to watch any programme during unspecified time.

7. Setting Preferences

3. Change Password

You can change the existing password into new one.

1. Select *Change Password* using the ▲/▼ button, and press the **OK** (ⓞⓚ) or ▶ button.

2. Enter *New Password* using the **NUMERICAL** (0~9) button, and press **OK** (ⓞⓚ) button.

3. Enter the new password again to confirm the *Verify Password,* and press the **OK** (ⓞⓚ) button.

   Note: The Default Password is **0000**. If you have forgotten your Password, please contact your local product distributor.

7.2 Language Setting

You can set Language for Menu, Audio, and Subtitle.

1. Press the **MENU** (ⓜ) button.

2. Select *Preferences* using the ▲/▼ button, and press the **OK** (ⓞⓚ) or ▶ button.

3. Select *Language Setting* using the ▲/▼ button, and press the **OK** (ⓞⓚ) or ▶ button.

1. Menu/Audio/Subtitle Language

You can set the language for Menu, Audio and Subtitle. Default language is English.

1. Select *Menu/Audio/Subtitle Language* using the ▲/▼ button.

2. Press the **OK** (ⓞⓚ) or ▶ button to display the available Language List.

3. Select your desired language using the ▲/▼ button, and press the **OK** (ⓞⓚ) button.

2. Audio Priority

You can select the priority of audio.

1. Select *Audio Priority* using the ▲/▼ button.

2. Press the **OK** (ⓞⓚ) or ▶ button to display the *Language* or *Dolby Digital* option.

3. Select your desired option and press the **OK** (ⓞⓚ) button.

Language	You can watch programme in the selected language.
Dolby Digital	You can listen sound in Dolby Digital mode. However, if you select Dolby Digital, you cannot change the audio language.

3. Subtitle Display

You can select whether or not to display the Subtitle if provided.

1. Select **Subtitle Display** using the ▲/▼ button.
2. Press the **OK** (⊙) or ▶ button to display **Auto or Manual** option.
3. Select your desired option and press the **OK** (⊙) button.

   Auto   Subtitles are displayed automatically in the predefined subtitle language.

   Manual   Subtitles are displayed in the language when you select the subtitle language by pressing the **SUBTITLE** (▣) button at remote controller.

4. Subtitle Font

You can select the Subtitle font.

1. Select **Subtitle Font** using the ▲/▼ button.
2. Press the **OK** (⊙) or ▶ button to display the **Variable** or **Fixed Font** option.
3. Select your desired option and press the **OK** (⊙) button.

   Variable   Uses the horizontally variable Subtitle Font.

   Fixed Font   Uses the fixed Subtitle Font.

7.3 Time Setting

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

1. Press the **MENU** (⊙) button.
2. Select **Preferences** using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.
3. Select **Time Setting** using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.

7. Setting Preferences

1. Setting Current Time

You can set the GMT Offset for current time.

1. Select *GMT Offset* using the ▲/▼ button.
2. Press the **OK** (⊙) or ▶ button to display *GMT* list. GMT is changed by from 30 minutes to 1 hour.
3. Select your GMT offset using the ◀/▶ buttons, and press the **OK** (⊙) button.

Note: The current time is set automatically whenever GMT Offset changes.

2. Power On Control

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

1. Select *Power On Control* using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.
2. Select either *Enable* or *Disable* the Power On Control.

   Enable   Uses the Power On Control and sets the Power On time.

   Disable   Not uses the Power On Control.

3. If *Enable* has been selected, enter the *Channel No* and using the **NUMERICAL** (0~9) buttons, and press the **OK** (⊙) button.

3. Power Off Control

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

1. Select *Power Off Control* using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.
2. Select either Enable or Disable the *Power Off* Control using the ▲/▼ button, and press the **OK** (⊙) button.

   Enable   Uses the Power Off Control and sets the Power Off time.

   Disable   Not uses the Power Off Control.

3. If *Enable* has been selected, enter the time using the **NUMERICAL** (0~9) buttons, and press the **OK** (⊙) button.

Note: Once Power On/Off Control is specified, it is repeated everyday.

7.4 Schedule

You can reserve a programme to watch at your desired time.

1. Press the **MENU** (⊙) button.
2. Select *Preferences* using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.
3. Select *Schedule* using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.
4. Reserved Programme list is displayed on the screen. To edit the existing reservation, select your desired reservation, and press the **OK** (⊙) button. To add a new reservation, select a blank list and press the **OK** (⊙) button.
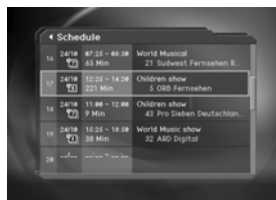
Note: For detailed information about Schedule, refer to *Chapter 6.3* Viewing Reserved Programme.

7.5 A/V Control

You can set Audio or Video Output Control.

1. Press the **MENU** (⊙) button.
2. Select *Preferences* using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.
3. Select *AV Control* using the ▲/▼ button, and press the **OK** (⊙) or ▶ button

1. TV - SCART

You can set TV SCART Output.

1. Select *TV-SCART* using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.
2. Select one option among *CVBS/RGB* using the ▲/▼ button, and press the **OK** (⊙) button.

7. Setting Preferences

2. Audio Output

Set the Audio Output.

1. Select *Audio Output* using the ▲/▼ button, and press the **OK** (ⓞ) or ▶ button.
2. Select one option form *Stereo* or *Mono* using the ▲/▼ button.

Note: When you select Mono, the sound is softer than Stereo.

3. Screen Ratio

You can set the aspect ratio of your TV.

1. Select *Screen Ratio* using the ▲/▼ button, and press the **OK** (ⓞ) or ▶ button.
2. Select one option from *4:3* or *16:9* using the ▲/▼ button, and press the **OK** (ⓞ) button.

Note: If 2 options are provided, you can switch the option at a time using the **OK** (ⓞ) button. Namely, When ever you press the **OK** (ⓞ) button, screen ratio is switched between 4:3 and 16:9.

4. Display Format

You can select the Display Format according to TV Screen Ratio.

1. Select *Display Format* using the ▲/▼ button, and press the **OK** (ⓞ) or ▶ button.
2. If the Screen Ratio is set to *4:3,* you can select one from *Auto/Letter box/Center Mode* using the ▲/▼ button, and press the **OK** (ⓞ) button.
3. If the Screen Ratio is set to *16:9,* you can select one from *Auto/Pillar box/Full mode* using the ▲/▼ button, and press the **OK** (ⓞ) button.

7.6 Miscellaneous Settings

1. Press the **MENU (⬤)** button.
2. Select *Preferences* using the ▲/▼ button, and press the **OK (⬤)** or ▶ button.
3. Select *Miscellaneous* using the ▲/▼ button, and press the **OK (⬤)** or ▶ button.

1. i-Plate Display Time

You can set the duration during which the Information box is to be displayed when you switch the channel.

1. Select *i-Plate Display Time* using the ▲/▼ button, and press the **OK (⬤)** or ▶ button.
2. Select a value between 1 ~ 20 seconds using the ▲/▼ button, and press the **OK (⬤)** button.

Note: When it is set to '0', the i-Plate will not be displayed when you switch the channel.

2. OSD Transparency

You can set the transparency of On Screen Display.

1. Select *OSD Transparency* using the ▲/▼ button, and press the **OK (⬤)** or ▶ button.
2. Select one option among *Disable/25/50/75* using the ▲/▼ button, and press the **OK (⬤)** button.

Disable	Fully opaque screen
25, 50, 75	As the number is bigger, the screen is more transparent.

3. Option in Channel List

You can set the option of scrambled icon in the *Option in Channel List.*

1. Select the *Option in Channel List* using the ▲/▼ button, and press the **OK (⬤)** or ▶ button.
2. Select one option from *On/Off* using the ▲/▼ button, and press the **OK (⬤)** button.

On	Scramble icon display in the channel list.
Off	Scramble icon disappear in the channel list.

8. Installation

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

8.1 Automatic Search

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

1. Select **MENU** (⊙) button.
2. Select *Installation* using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.
3. Select *Automatic Search* from Installation menu using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.
4. Receiver starts to search channels automatically

Search

Wait while the receiver searches for the channels, this may take a few minutes.

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

8.2. Manual Search

You can search channels manually by searching parameters, if you know the MUX information.

1. Frequency

1. Select *Frequency* using the ▲/▼ button, and press the **OK (⊙)** or ▶ button.
2. You can enter the frequency between *47* and *862 MHz.*

2. Symbol Rate

Select *Symbol Rate* using the ▲/▼ button, and press the **OK** (⊙) or ▶ button. You can enter the value directly by selecting *User define.*

3. Constellation

1. Select *Constellation* using the ▲/▼ button, and press the **OK (⊙)** or ▶ button.
2. Select Constellation between 16-QAM to 256-QAM.

8. Installation

4. Network Search

1. Select *Network Search* using the ▲/▼ button, and press the **OK** ((ok)) or ▶ button.

2. Select either *Enable* 0r *Disable* and press the **OK** ((ok)) button. Select *Enable* to run Network Search.

5. Search

You can complete the setting and start searching.

1. Select *Search* and press the **OK** ((ok)) button to start Manual Search.

2. The next procedures are the same as those for Automatic Search. Please refer to Automatic Search

8.3 Linear Search

You can search channels by setting the range of frequencies and other parameters. This will be more convenient than Manual Search for searching several channels.

1. Start Frequency and End Frequency

1. Select *Start/End Frequency* using the ▲/▼ button, and press the **OK** ((ok)) or ▶ button.

2. Set the Start/End Frequency which the Linear Search start from/to in order to set the frequency range to seek.

2. Step

1. Select *Step* using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.

2. Set the step frequency that will be added start frequency. Your receiver will search channels at the increasing frequency by step frequency. If you don't know the value, please select Auto

3. Constellation

1. Select *Constellation* using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.

2. Select Constellation between 16-QAM to 256-QAM.

4. Network Search

1. Select *Network Search* using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.

2. Select either Enable or Disable and press the **OK** (⊙) button. Select Enable to run Network Search.

5. Append Symbol Rate

1. Select *Append Symbol Rate* using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.

2. Select the symbol rate using the ▲/▼ button, and press the **OK** (⊙) button.

3. It will be displayed symbol rates that you selected. Receiver will search channels by all of symbol rates that you selected.

8. Installation

8.4 Default Setting

Default Setting restores the receiver to the default settings

Warning: Please note that once you perform Default Setting, all data such as Antenna Setting information Channel List, and User Configured data are deleted.

To perform Factory Default:

1. Press the **MENU** (⊙) button.
2. Select **Installation** using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.
3. Enter **Password** using the **NUMERICAL** (0~9) button.

4. Select **Default Setting** using the ▲/▼ button, press the **OK** (⊙) or ▶ button.
5. Select **Yes** and press the **OK** (⊙) button to restore all setting to Factory Default. Select **No** and press the **OK** (⊙) or **BACK** (⊙) button to return to the previous menu.

6. Confirm again to start loading default setting. Enter **Password** using the **NUMERICAL** (0~9) button to perform restoring.
7. When completing the default setting, press the **OK** (⊙) button to automatically run the **Installation Wizard.** When default setting is completed, Installation Wizard is automatically displayed, which helps the Channel Search. For detailed information about Installation Wizard, refer to **3. Installation Wizard.**

9. Software Update

In order to maintain proper performance of this product, it is essential to have the most up-to-date software. The latest news and release of software versions may be found at the Humax website - http://www.humaxdigital.com.

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

9.1 OTA (Over the Air)

OTA, an abbreviation of **"over-the-air"** , means that the software can be downloaded where the manufacturer reserves the right to decide when and where to release through antenna system.

Over the Air (OTA) is simply an alternative method for downloading software versions. However, the manufacturer reserves the right to decide when and where this software update can take place by "beaming" latest software versions over the air via antenna systems. Note that OTA is only limited to certain geographical regions mainly due to different antennas having different footprints (areas where the signal can be received). The software update will only occur under the following circumstances.

1. The equipment should have appropriate loader software.

   Caution: Please note that if you don't have normal loader software, the equipment may not be updated or work after software update.

2. The manufacturer decides to release software downloading via a designated antenna system.

3. The equipment must be "tuned" properly to the same antenna that the manufacturer uses.

4. Upgrade software when the quality of receiving signal strength is high. If the weather is not so good that the quality of receiving signal strength is not recommendable, perform the software upgrade later.

Caution:

- Please be careful to keep the power on and the power cord plugged in during software update. If the power is off during software update, it may cause fatal damage to the product.
- Please be careful not to pull out the Signal line during software update. Update may be interrupted and the product may not work.

Note:

- The product cannot work at all during software update.
- It may take 5-10 minutes to update software.
- Scheduling operation cannot work during software update.

9. Software Update

1. If new software is found when powering on

1. A message will be displayed to notify that new software is found.
2. Select *Yes* and press the **OK** (⊛) button to update the software.
3. Starts downloading new software. Please wait until the updated is completed.
4. When completing the software update, the equipment is automatically powered off and on again.

2. If updating software from Menu

1. Press the **MENU** (⊛) button.
2. Select *Installation* using the ▲/▼ button, and press the **OK** (⊛) or ▶ button.
3. Enter *Password* using the **NUMERICAL** (0~9) buttons.
4. Select *Software Update* using the ▲/▼ button, and press the **OK** (⊛) or ▶ button.

3. If a new version of software is detected during watching a programme

1. A message will be displayed to notify that new software is found.
2. Select *Yes* and press the **OK** (⊛) button to start upgrading. Select *No* and press the **OK** (⊛) button to return to the previous menu.


4. If using Automatic Update

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

1. Select *Automatic* from *Software Update Menu* screen using the ▲/▼ button, and press the **OK** (⊛) or ▶ button.

2. Automatically search for new software. Select *Stop* and press the **OK** (⊙) button to finish Search.

3. When detecting update software, the following result is displayed. If new software is not found by Automatic, use Manual Update.

4. Select *Yes* and press the **OK** (⊙) button to start updating.
Select *No* and press the **OK** (⊙) button to return to the previous menu without updating.

5. When completing the software update, the product is automatically powered off and on again.
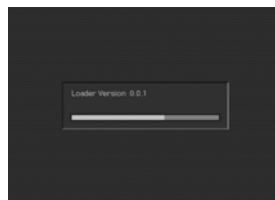
5. Manual Update

You can perform Manual Update only if you know MUX information of software update correctly.

1. Select *Manual* from *Software Update Menu* screen using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.

2. Set the *Frequency* which provides update software.

3. Select the *Symbol Rate.* You can enter the specific value by selecting *User Define*

4. Select the *Constellation.* If the information is not known, then *Auto* can be selected.

   Note: How to setting parameters in *Manual Update* is the same as how to set parameters in *Manual Search.* Refer to *Manual Search.*

5. Select *Search* and Press the **OK** (⊙) button to search software.

6. It is displayed whether or not New Software exist. If new software does not exist, press the **OK** (⊙) button to return to the Manual Update Menu.

7. Select *Yes* and press the **OK** (⊙) button to start updating. Select *No* and press the **OK** (⊙) button to return to the previous menu.

8. Performs Software Update. Please wait until it is completed.

9. When completing the software update, the product is automatically powered off and on again.

10. System Information

You can view all system information, signal strength, and common interface information.

1. Press the **MENU** (⊜) button.
2. Select **System** using the ▲/▼ button, and press the **OK** ((⊛)) or ▶ button.

10.1 Status

You can view System information

1. Select **Status** using the ▲/▼ button, and press the **OK** ((⊛)) or ▶ button.
2. Confirm the information about *Hardware version, Software version, Loader version, System ID, Update Date.*

10.2 Signal Detection

You can view the signal strength and signal quality.

1. Select **Signal Detection** using the ▲/▼ button, and press the **OK** ((⊛)) or ▶ button.
2. Display information about the graphs and percentage of Signal Strength and Quality of the channel.

10.3 Conditional Access (for Conax embedded)

1. Ordering

This item is for IPPV and it will be reserved until software is updated. When the cursor is located in this menu, there will be no action even after selecting.

2. Subscription Status

This menu shows the authorised list of Conax channels in the smart card.

3. Event Status

This menu shows the channel ordered using PPV.

4. Change card PIN

This menu lets you have access to the card in the smart card or change the PIN code when watching the Conax scrambled channel.

5. Maturity Rating

This menu lets you set the level of authorization to watch the Conax scrambled channel.Common Interface.

This Receiver doesn't provide this function.

To watch the event beyond the set level, you should enter the smart card PIN code.

11. Games

This product provides various games for user's entertainment.

1. Press the **MENU** (⊙) button.
2. Select *Game* using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.
3. According to the instruction displayed on screen, you can enjoy the game using ▲/▼/◀/▶ and **OK** (⊙) button.

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

12. Menu Map

Preferences

1 Parental Control
2 Language Setting
3 Time Setting
4 Schedule
5 A/V Control
6 Miscellaneous Settings

Edit Channels

1 Edit Channel Lists
2 Edit Favourite Channels
3 Channel Change Mode

Installation

1 Automatic Search
2 Manual Search
3 Linear Search
4 Software Update
5 Default Setting

System

1 Status
2 Signal Detection
3 Conditional Access

Game
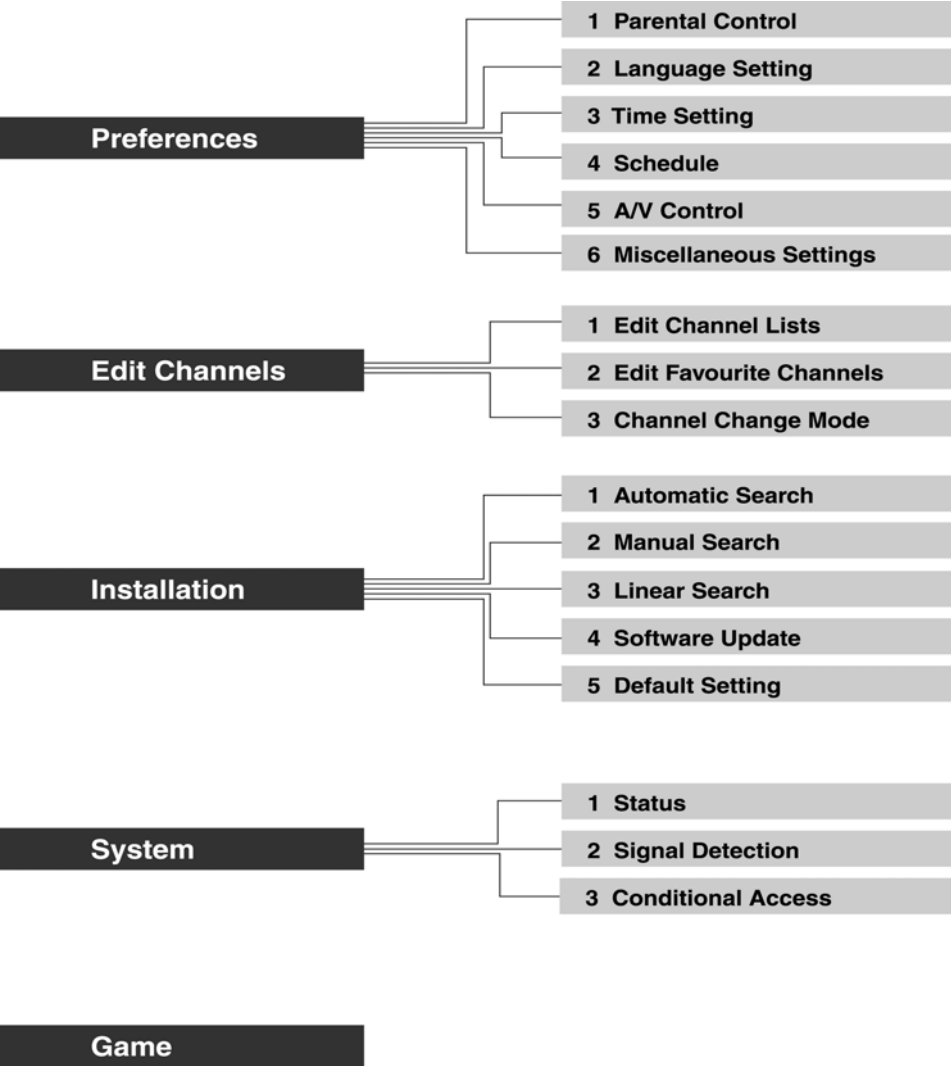
13. Trouble Shooting

13.1 Trouble Shooting

Before contacting your local service, please make sure following instructions. If the product does not work normally after completing the following troubleshooting, please contact your local product distributor or service centre.

1. No message is displayed on the front panel or product has no power.

   - Check the main power cable and check that it is plugged into a suitable power outlet.
   - Check whether the Power Switch is On.

2. No picture

   - Make sure that the product is in Operation Mode.
   - Make sure that the AV Cable is firmly connected to the TV.
   - Make sure that Antenna line is correctly connected to the equipment.
   - Make sure that Antenna Setting is correct.
   - Check the brightness level of TV.
   - Check the channel is on air.

3. Poor picture & sound quality

   - ***Make sure*** there is no mobile phone or microwave oven near ***the equipment.***

4. No or poor sound

   - Check the volume level of the TV and Receiver.
   - Check the Mute status of the TV and product.
   - Press the Audio button to change the Sound Track type.

5. Remote controller does not operate

   - To control the equipment with the manipulate the equipment with controller, the remote controller's emitting parttop end should directly point towards the receiving part of receiver's remote controller.
   - Check the battery of Remote controller.

6. Reservation is unavailable

   - Check whether it it not overlapped with other reservation.
   - Check whether the power switch is off.

7. Watching scrambled channel is not available

   - Check the correct Smart Card is plugged in.
   - Check the correct smart card is plugged in, and correctly plug the smart card again.
   - Check whether the Smart Card is damaged.

13.2 Error Message

Error message	Possible causes	What to do
The channel is not available.	The channel has signal, but no audio or video. The channel is not deleted by broadcasting company. The channel is for data broadcasting.	Confirm if the channel is currently on air. Cannot watch the channel in usual way.
The channel is scrambled.	Smart Card is not plugged in. Wrong Smart Card is plugged in. Smart Card is not correctly plugged in. Smart Card is broken.	Plug in Smart Card. Plug in suitable Smart Card. Pull out the Smart Card, and plug it in again. Replace the Smart Card.
The audio is not available.	The channel has signal, but no Audio.	Press the Audio button to confirm if the channel has Audio.

14. Specification

Tuner and Channel	
Input Connector	IEC-type, IEC-169-24, Female
Frequency Range	47MHz to 862MHz
Input Impedance	75 Ω
Signal Level	-13 to +15 dBm
Demodulation	QAM
Input Symbol Rate	1.5-7Ms/s
Constellation	16-QAM, 32-QAM, 64-QAM, 128-QAM, 256-QAM
MPEG Transport Stream A/V Decoding	
Transport Stream	MPEG-2 ISO/IEC 13818 Transport Stream Specification
Profile Level	MPEG2 MP@ML
Input Rate	15 Mbit/s Max
Aspect Ratio	4:3, 16:9, Letter Box
Video Resolution	720x576, 720x480
Audio Decoding	MPEG/MusiCam Layer I and II
Audio Mode	Single channel/Dual channel/Joint Stereo/Stereo
Sampling	32, 44.1 and 48kHz
Memory	
Flash Memory	2M bytes
Graphic (MPEG) DRAM	16M bytes
EEPROM	8K bytes

A/V and Data In/Out	
TV SCART	Video Output (CVBS, RGB)
	Audio Output(Resolution:20bits, DAC, Max, 2 Vrms)
Power Supply	
Input Voltage	90~250V AC, 50/60Hz
Type	SMPS
Power Consumption	Max. 10 W
Stand by Power	≤ 5W
Protection	Separate Internal Fuse.
	The input should be protected against lightning
Physical Specifications	
Size	215*41*158 mm
Weight (Net)	Around 1.0Kg
Operating Temp	0 ℃ to + 45 ℃
Storage Humidity	5% ~ 95% RH(Non-Condensing)

15. Glossary

Programme Guide (Electronic Programme Guide, EPG)

A electronic program guide (EPG) that comes with the broadcast to a particular satellite, note that every station fills the EPG differently or not, so differences in the EPG are not necessarily receiver errors.

Frequency

The number of cycles or events per one second, which is expressed in the unit of hertz.

FTA (Free-To-Air)

An unscrambled broadcast, which you can view without additional payments to a service provider.

Hi-Fi (High Fidelity)

The characteristics of audio devices that can play back all the audio frequencies of the human, which is the range of 16Hz#20KHz, uniformly from the low frequency to high frequency. Sometimes it is used to indicate good quality of an audio device such as stereo tape recorder.

OSD (On Screen Display)

The function that displays the information about the monitor that the user needs or has to know on the screen directly. OSD information includes brightness, contrast, tuning, RGB adjustment, and screen size and positions (top, left, width, and height), and so on.

OTA (Over The Air)

Means that software downloads where the manufacturer reserves the right to decide when and where to release them through satellite system.

SCART

A 21-pin connector used for connection of this product, VCR and TV. Also called Euroconnector or Peritel connector.

16. Service and Support

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

Please try to contact to your local dealers first when you have any problem.

Web site and e-mail

Homepage

http://www.humaxdigital.com	English
http://www.humaxdigital.com/Deutsch/	Deutsch
http://www.humaxarabia.com	Arabic

HCSA (Humax Customer Service Area)

Software Download, Information and Technical Q&A

http://www.humaxdigital.com/hcsa/	English
http://www.humaxdigital.com/Deutsch/hcsa/	Deutsch

E-mail (Technical Q&A)

tech-info@humax-digital.co.uk	Europe & North Africa
techinfo@humax-digital.de	Germany
callcenterME@humaxdigital.com	Middle East
Webmaster@humaxdigital.com	Asia & Other area

16. Service and Support

Call Center

Humax Middle East Call Center (Dubai, UAE)

Tel:	+971 (0)4 359 2323 (Open: 9:00 - 20:00 / close on Friday)
E-mail:	callcenterME@humaxdigital.com
Open:	Local Time in Dubai (GMT+4)
	9:00 - 20:00 (Saturday - Thursday, close on Friday)
Support Language:	English/Arabic

Humax Hotline (Germany)

Germany:	01805 778 870 (€ 0,12/Min)
Other Countries:	+ 49 1805 778 870 (€ 0,12/Min+ International Call Charge)
Open:	Local Time in Germany (GMT+1)
	8:00 - 20:00 (Monday - Friday)
	8:00 - 18:00 (Saturday)
Support Language:	Deutsch/English

Humax BTCI Hotline (Premiere Model)

Germany:	01805-778900 (€ 0,12/Min)
Austria:	0900-900633 (€ 0,33/Min)

For hardware repair, please refer to support website. (Homepage or HCSA)

HNCX1201C.200GB/FI/SW/NO/DK