DVD Player + Digital Set-Top Box

**DV-1000T**

**User's Manual**

**HUMAX**
your prime time

## Notice

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US Patent Nos. 4,631,603; 4,577,216; 4,819,098; 4,907,093; and 6,516,132.

Thank you for purchasing a HUMAX digital terrestrial 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, know what the reaction upon each action will be.

### Warnings, Cautions and Notes

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

- **Warning**

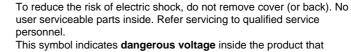  Indicates a hazardous situation which, if not avoided, could result in (serious) injury.

- **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.

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## Only for DVD player

### 1. CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

The DVD player is classified as a **CLASS 1 LASER** product.The **CLASS 1 LASER PRODUCT** label is located on the exterior.

| CLASS 1 | LASER PRODUCT |
| KLASSE 2 | LASER PRODUKT |
| LUOKAN 1 | LASER LAITE |
| KLASS 1 | LASER APPARAT |

### 2. Supported disc formats

The following discs can be used in your DVD.

**Note:**  Supported discs could be different with the following disc.
- **DVD Video** (Digital Versatile Disc)
- **Super Video CD**
- **Video CD**
- **Super Audio CD** (Only plays the CD layer of a hybrid SACD disc)
- **Audio CD**
- **MP3**

# Notice

Since DVD films are not normally released in all parts of the world at the same time, all DVD players have a specific regional code. Discs can be given an optional regional code. If the regional codes differ between the player and the disc, playback is not possible.

DVDs must be marked **ALL** for all regions or specific number for specific region to work in this machine. If the DVD is marked with a different region, it cannot be played in this DVD player.

Some DVD discs may not have a regional code label even though their playback is prohibited by area limits.

| | |
|---|---|
| **Region 2** | **Europe**, Japan, Middle East, Egypt, South Africa, Greenland |
| **Europe** | European Region 2 DVDs may be sub-coded D1 through D4. **D1** identifies a UK-only release. **D2** a identify European DVDs that are not sold in the UK and Ireland. **D4** identifies DVDs that are distributed throughout Europe. |

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## Safety and Warning

This digital terrestrial receiver has been manufactured to satisfy 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 supplied to your home, consult local power company.
   Disconnect the receiver from the mains before you start any maintenance or installation
   procedure

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, shall 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 equipments 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 AERIAL**

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

8. **CONNECTION TO THE TV**

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

9. **EARTHING**

   The aerial cable must be buried in the ground.
   The buried cable of the system must comply with SABS 061.

**10.LOCATION**

Place the receiver indoors to avoid exposing it to lightening, 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 TV and 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 where it can fall. A falling product can cause serious injury to a child or adult, and serious damage to the appliance.

**11.LIGHTNING, STORM, or NOT IN USE**

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

**12.EXTRANEOUS OBJECTS**

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

**13.REPLACEMENT of PARTS**

When the 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. Unauthorised substitutions 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 a wet hand.
   Disconnect the power cord in case of lightening.

3. 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 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.

**Only for DVD player**

### 1. Cleaning discs

Some malfunctions (frozen or distorted and broken sound for example) are due to dirt on the disc. To avoid such problems you should clean your discs regularly.

Dirty discs should be cleaned with a soft cloth. Always wipe from the middle to the edge.

**Note:** Do not use any solvents such as benzine, thinner, alcohol , commercially available cleaning agents or antistatic sprays designed for analogue records.

### 2. Handling discs

Do not touch the playback side of disc.

Hold the disc by the edges so that fingerprints will not get on the surface.

### 3. Storing discs

After playing, store the disc in its case.

Do not expose the disc to direct sunlight or sources of heat, or leave it in a parked car exposed to direct sunlight, as there may be a considerable temperature increase inside the car.

# Contents

# Contents

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# 1.Before Using the Receiver

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

## 1.1 Package Contents

Please check all package contents before using your receiver.

**Remote Control (1)**     **User's Manual (1)**

**Batteries (2)**     **Scart Cable (1)**

**Note:** Since faults may occur if the remote control is being left without a battery for a long time, always keep the battery inserted in the remote control.

## 1.2 Front Panel



1. **STANDBY Button**

   Switches between Operation and Standby modes.

2. **DVD/DTV**

   Change mode between DTV and DVD.

3. **TV/RADIO**

   Switches between TV and Radio modes.

4. **CH - / CH +**

   Adjust the audio volume.

5. **Stop**

   Stop play a disc.

6. **Play / Pause**

   Start playback/Pause playback.

7. **Skip previous**

   Return to the beginning of the current chapter/track or skip back to the previous chapter/track.

8. **Skip next**
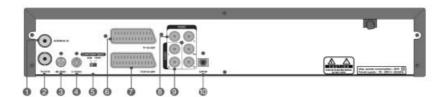
   Skip to the next chapter/track.

9. **OPEN/CLOSE**

   Open and close the disc tray.

# 1. Before Using the Receiver

## 1.3 Rear Panel



1. **ANTENNA IN**

   Connects a antenna to a antenna cable.

2. **TV/VCR**

   Connects a RF signal from your receiver to RF(ANT) input jack on your TV or VCR.

3. **RS-232C**

   Connects to your PC to upgrade product's software programme.

4. **S-Video**

   Connect your receiver to a TV or VCR that accepts S-Video input.

5. **COMPONENT SELECT**

   **RGB**    If you select RGB, you can connect to video, audio L and R.
   **YPbPr**  If you select YPbPr, you can connect your receiver to a TV or VCR that accepts high-quality video input.

6. **TV SCART**

   Connects a TV SCART cable.

7. **VCR SCART**

   Connects a VCR SCART cable.

8. **VIDEO**

   Connects to your TV or VCR and output Video signals.

9. **AUDIO L/R**
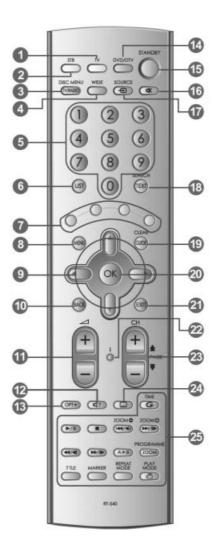
   Connects to your TV or VCR and output Audio signals.

10. **S/PDIF**

   Outputs the digital audio signals(S/PDIF).

## 1.4 Remote Control

### STB RCU



**Note:** This remote control can also control your TV. To set the remote control for your TV, please refer to **Chapter 12**.

# 1. Before Using the Receiver

## STB

1. **TV**
   Turn on the TV.

2. **STB**
   Turn on the STB.

3. **TV/RADIO**
   Switches between TV and Radio modes.

4. **WIDE**
   Set the Display Format.

5. **NUMERICAL BUTTONS**
   Enters a TV/Radio channel number or menu option number.

6. **LIST**
   Displays the channel list in DTV.

7. **COLOR BUTTONS**
   Select color keys for interactive applications.

8. **MENU**
   Displays the main menu in DTV.

9. **ARROW BUTTONS**
   Changes the channel or move the cursor to the up, down, left or right menu option.

10. **BACK**
    Returns to the previous menu and screen.

11. **V - / +**
    Adjusts the audio volume of TV.

12. **SOUNDTRACK**
    Displays the Soundtrack.

13. **OPT + (OPTION)**
    Displays the channel attributes during watching a programme.

14. **DVD/DTV**
    Change mode between DTV and DVD.

15. **STANDBY**
    Switches between Operation and Standby modes.

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

17. **SOURCE / AUX**
    Selects the input source between TV and receiver./Controls input mode of TV.

18. **TEXT**
    Displays digital text.

19. **GUIDE**
    Displays the Programme Guide.

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

21. **EXIT**
    Exits the main menu or Guide screen.

22. **i (INFORMATION)**
    Displays the information about the channel and programme.

23. **CH - / + or PAGE - / +**
    Changes the Channel or Page.
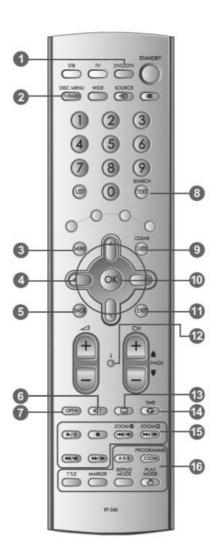
24. **SUBTITLE**
    Changes the subtitle language.

25. **DVD FUNCTION BUTTONS**

**Note:**
- This part explains STB function only.
- Press the **G**( ) button to display the game.

**DVD RCU**

## 1. Before Using the Receiver

**DVD**

1. **DVD/DTV**

   Change mode between DTV and DVD.

2. **DISC MENU**

   Displays the main disc menu.

3. **MENU**

   Displays the setup menu in DVD.

4. **ARROW BUTTONS**

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

5. **BACK**

   Returns to the previous menu and screen.

6. **SOUNDTRACK**

   Displays the Soundtrack.

7. **OPT+ (OPTION)**

   Set the listening mode.

8. **SEARCH**

   Change the search mode.

9. **CLEAR**

   Delete the track or bookmark in DVD.

10. **OK**

    Selects a menu, or confirms the selected operation.

11. **EXIT**

    Exits the main menu or Guide screen.

12. **i (INFORMATION)**

    Displays the DISC information.

13. **SUBTITLE**

    Changes the subtitle language in DVD.

**Note:** This part explains DVD function only.

14. **TIME**

    Change time display.

15. **PLAY CONTROL BUTTONS**

    (⏯) **(PLAY / PAUSE)**
    Start playback/Pause playback.

    (⏹) **(STOP)**
    Stop play a disc.

    (⏮) **(SKIP PREVIOUS/ZOOM -)**
    Return to the beginning of the current chapter or track or skip back to the previous chapter or track./zoom down.

    (⏭) **(SKIP NEXT/ZOOM + )**
    Skip to the next chapter or track./zoom up.

    (⏪) **(Fast Backward/Slow Backward)**
    Fast backward a disc/execute a backward slow playback when playing a DVD.

    (⏩) **(Fast Forward/Slow Backward)**
    Fast forward a disc/execute a forward slow playback when playing a DVD.

16. **DVD FUNCTION BUTTONS**

    **A ▶ B**
    Repeat between A and B in DVD.

    **ZOOM / PROGRAMME**
    Enlarge the picture during DVD playback. / Edit playlist.

    **TITLE**
    Displays the title menu.

    **MARKER**
    Set bookmark in a DVD during playback.

    **REPEAT MODE**
    Change repeat mode.

    **ANGLE / PLAY MODE**
    Change angle and play mode.

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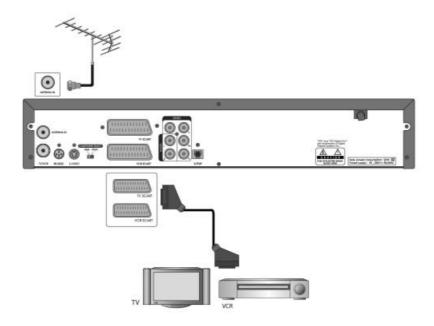
This chapter describes how to set up the receiver. Select the most appropriate procedure depending on your requirements.

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

### 2.1 Connecting the Antenna for STB

#### 1. Connecting TV and VCR with SCART

Connect the cable of your TV aerial to the **ANTENNA IN** connector on the rear of the receiver. SCART and co-axial cable are connected as in the figure above.
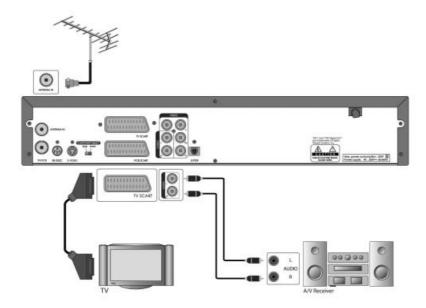
## 2. Setup

### 2. Connecting Hi-Fi system 1
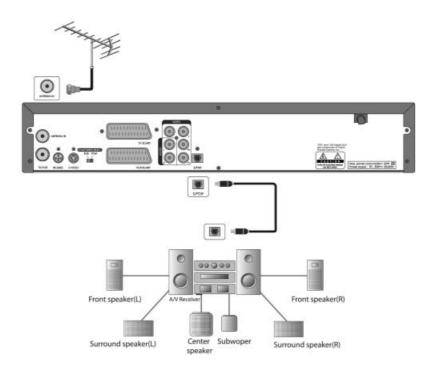
Connect the outputs on this receiver to corresponding inputs on your Hi-Fi Audio or Dolby Prologic Decoder.

( left audio out to left audio in, right audio out to right audio in)

## 3. Connecting Hi-Fi system 2

If you wish to connect the optical S/PDIF terminal and Dolby digital decoder to listen Dolby digital audio, DTS audio or Multi Surround audio, connect as follows:
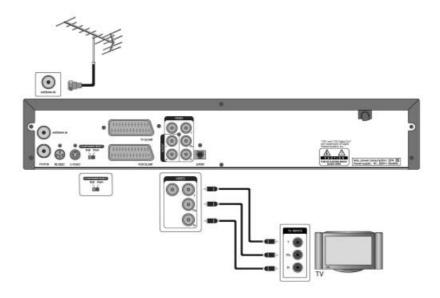
## 2. Setup

### 2.2 Connecting for DVD player

**1. Connection with Component Video (Y Pb Pr ) cable**

This method of transmitting pictures produces the highest quality as the video signal is split into its Y(brightness), U and V (red minus brightness, blue minus brightness)components. Insert one end of a component video (Y Pb Pr ) cable into the red/blue/green cinch socket at the back of the DVD player and the other end into the component video input sockets on the TV set.
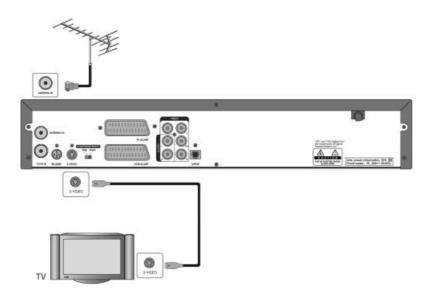


**Note:** the socket and connector color on the DVD player must match the color of the sockets on the TV set(Red-Red, Blue-Blue, Green-Green). If this is not the case, the colors on the screen may be distorted or the picture may not be visible.

First, you set the **SCART Output** as S-Video in the chapter 7.5.

For the highest video quality, connect to your TV using the S-Video socket.
1. Connect the S-Video connector on the rear of the player to the corresponding connector on the TV using the S-Video cable.

2. Connect the audio left and right channel sockets on the player rear panel to the corresponding sockets on your TV or Stereo system.

## 2. Setup

### 2.3 Powering On

1. Connect the power cord of the receiver to a wall outlet.

2. Turn on the power button, located at the left on the back of the receiver.
   Make sure that the Standby LED indicator is turned on Red.

3. Power on by pressing the **STANDBY** ( ) button at Remote Controller or the **STANDBY** ( ) button at the front of the receiver.

## 3. Loading

### 3.1 Booting Mode

When powering on your receiver for the first time, the mode selection will automatically appear.

Select *DTV* or *DVD* using the ▲/▼ or **DVD/DTV**( ) and press the **OK**( ) button.

Please wait for booting the DTV or DVD.

**Note:**

If you don't select a specific mode, then the previous mode will be automatically selected.

### 3.2 Installation Wizard

When using the DTV mode for the first time, a Channel Search will be performed automatically. (You can run the Installation Wizard in Default Setting.)

**1.Search**

1. During operating search, the cursor is located at *Stop*. Therefore, if you press the **OK**( ) button during searching, the operation is stopped and the channels found so far will be displayed.

2. Even after the search operation is complete, and no or not all channels are found, press the **OK**( ) button and try to reset the search operation again if necessary.

3. You can delete any unwanted channels from the list of found 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* to select all channels, select *Delete*, and press the **OK**( ) button.

4. After completing the Channel Search and deleting unwanted channels, select *Save* to save the changes. When completing Channel Search, you can enjoy digital television.

Warning :    If you exit the Install Wizard without fully completing the channel searching procedures, you may not watch any broadcasting normally. In this case, you can use the *Installation Menu* to configure your receiver as you like

# 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 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 of your TV.
2. Press the **MUTE** (⬛) button to stop the sound of your TV temporarily.

Note: The mute function keeps enabled while you change the channel.

This function is only for TV. Refer to chapter 12 to set the TV.

## 4.3 Text and interactive services

If your chosen channel has teletext (MHEG) features , you can access them. Teletext services often load automatically shortly after the Digital Teletext window is displayed. In which case, simply follow the given instructions(press color buttons).
1. Press **TEXT** (⬛) button to access teletext(MHEG) features.
2. Press **TEXT** (⬛) button again to return to normal viewing.
3. Press the **CH-/CH+** ( ⊟/⊞ ) button to exit this service.

Note: You should select *OFF* from the subtitle language to display teletext(MHEG).

## 4. Basic Operation

### 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 if you do not wish subtitles to be displayed on the screen.

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

### 4.5 Change a 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 *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.

4. Press the **EXIT** (⊙) or **SOUNDTRACK** (⊡) button to exit the soundtrack list.
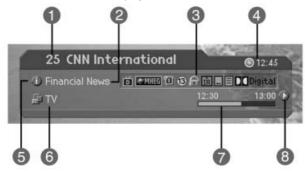
**Note:** you can select your desired default audio language by selecting *MENU - Preferences - Language Setting -Audio Language.*

## 4. Basic Operation

### 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.

**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. |
| DⅠⅠDigital | Displayed only when the programme is a dolby digital one. |
| MHEG | Displayed when the channel supports MHEG. |
| Ⅾ | Displayed when the channel supports data channel. |

4. Current time

5. Detail programme information: displayed if detailed programme information is provided.

6. Channel looping 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 looping mode is displayed. And channel 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** ( ⟳ ) button where I-plate is displayed to view detailed information.

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

## 4. Basic Operation

### 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+** (⊡) 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+** (⊡) button.

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

3. Select *favourite group* using the ▲/▼ button and press the **OK** (⊙) button to register for Favourite Group.

4. Press the **OK** (⊙) button again on the selected *Favourite Group* to release the registered channel.

5. Move to the parent menu using the ◀ button to save the changes automatically.

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

## 2. Lock/Unlock a Channel

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

1. Press the **OPT+** (⊟) button.

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

3. Select **Lock** option using the ▲/▼ button, and press the **OK** (⊙) button.

4. Select **Unlock** option using the ▲/▼ button, and press the **OK** (⊙) button.

5. You will be prompted to enter 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+** (⊟) button.

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

3. Select **Yes** in the confirmation message and press the **OK** (⊙) button.

4. Enter password using the **NUMERICAL** (0-9) button to delete the current channel.

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# 5. Channel List

3 types of channel lists are provided for easy and quick channel finding.

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

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

**Favourite** The list of the favourite channels with 5 subgroups 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 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 **NUMERICAL** (0-9) button 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 Settings - Option in CH List* to display scramble icon in the channel list.
Select *OFF* by going to *MENU - Preferences - Miscellaneous Settings - Optoin 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.

## 5.2 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.
- 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 **P-/P+** ( ⊟/⊞ ) while your watching a programme.

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## 5. Channel List

### 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 lists** 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 **MENU - 2 - 1** in order at remote control to select **Edit Channel Lists** menu.

#### 1. Select a Channel Group

You can select the channel list group to edit. TV or Radio, and the subgroups from the channel search for aerial and 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.

## 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** (⊙) button to delete the channel(s). You can select multiple channels.

3. Select *Delete* in the right using the ▶ button, and press the **OK** (⊙) 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** (⊙) 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** (⊙) 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** (⊙) button to select all channels.

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

## 5. Channel List

### 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** (⊙) button.
3. Select **Edit Favourite Channels** using the ▲/▼ button, and press the **OK** (⊙) or ▶ 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 menu items using the assigned **NUMERICAL** (0-9) 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.

| Icon | Name | Description |
|------|------|-------------|
| ▶ | 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. |

## 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 at remote control or ▣ .

## 2. Move favourite channels

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

This function is only changing the location without changing the channel number

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.

# 5. Channel List

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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## 5.5 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 the current channel list* using the ▲/▼ button, and press the **OK** (⊙) button.

**Note:** When *Within the current channel list* is selected, you can only change the channel within the current channel list using the **CH- /CH+**( ⊟/⊞ ) buttons.

# 6. Programme Guide

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

**Note:** Press the **GUIDE ( )** button to exit the Guide screen.

## 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 programme.

### 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.

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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 2 hours after. |
| ◄ 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. Programme Guide

### 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. Select *By Genre* and press the **OK** ( ) button to search programme by genre.

**Note:**
- Select ▲/▼/◀/▶ button and then press **OK** ( ) button to enter the programme name on the keyboard screen.
- If you select *Previous* or *Next* on the Keyboard displayed on the screen and press **OK** ▲/▼/◀/▶ button, the keyboard layout is switched.

7. Select your desired genre and press the **OK** ( ) button.

8. If you select your desired programme from the *Found Programme* List screen and press the **OK** ( ) button, you can watch the programme if it is on air, or you can reserve your recording if it is the future programme. If you want to find other programme, you might press the **BLUE** button to display keyboard screen.

Note:   The **Found Programme List** may differ depending on the provided programme information.

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## 6.3 Viewing Reserved Programme

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

1.  Press the **GUIDE** ( 🖥 ) button.

2.  Press the **YELLOW** button to display the *Schedule* screen.

3.  Select the scheduled programme and press the **OK** ( ⊙ ) button to edit the reservation information.

4.  Select vacant list and press the **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* using the ◄/► button and press the **OK** ( ⊙ ) button to delete the reserved programme.
5.  Select the *Cancel* using the ◄/► button and press the **OK** ( ⊙ ) button to cancel the editing.
6.  Select the *Save* using the ◄/► button and press the **OK** ( ⊙ ) button to complete the editing.

## 6. Programme Guide

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 you desired programme is already reserved, adjust the reservation appropriately.
- IIf the channel is locked or restricted by watching time, you will be prompted to enter your Password to complete the reservation.

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# 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 prompting message is displayed to ask 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.

# 7. Setting Preferences

## 2. Setting Allow Watch Time

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

1. Select the **Allow Time Control** using the ▲/▼ button, and press the ▶ or **OK** (◉) button.

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

   **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.

## 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 select **OK** and press **OK**(◉) button.

3. Enter the **New Password** again to confirm the **Verify Password**, and select **OK** and press the **OK**(◉) button.

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

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## 7.2 Language Setting

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

1. Press the **MENU** (⊚) button.

2. Selec *Preferences* using the ▲/▼ button, and press the **OK** (⊚) or ▶ button.

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

### 1. Audio/Subtitle Language

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

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

2. Press the ▶ or **OK** (⊚) 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*.

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 control. |

### 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.

| | |
|---|---|
| **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 control. |

# 7. Setting Preferences

## 3. Subtitle Font

You can select the Subtitle font.
1. Select **Subtitle Font** using the ▲/▼ button.

2. Press the ▶ or **OK** (⊚) button to display the **Variable** or **Fixed** option.

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

| | |
|---|---|
| **Variable** | Uses the horizontally variable Subtitle Font. |
| **Fixed** | 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.



## 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.

• The default item is **Auto**. If GMT Offset is **Auto**, it is automatically set depending on your country.

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

1. Select *Power On* using the ▲/▼ button,

2. Select either *Enable* or *Disable* the Power On using the
   **OK** ( ⊚ ) or ▶ button.

   **Enable**   Uses the Power On and sets the Power on
                time.
   **Disable**  Not uses the Power On.

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

## 3. Power Off

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

1. Select *Power Off* using the ▲/▼ button,

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

   **Enable**   Uses the Power Off and sets the Power Off time.
   **Disable**  Not uses the Power Off.

3. When you have selected *Enable* enter the *Time* using the **NUMERICAL**(0~9) buttons, and
   select **OK** ( ⊚ ) or ▶ button.

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

## 7.4 Schedule

You can reserve a programme to watch programme 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 Pregoramme 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.**

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## 7. Setting Preferences

### 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/VCR-SCART

You can set TV/VCR-SCART Output.
1. Select *TV-SCART* using the ▲/▼ button, and press the **OK** (◉) or ▶ button.
2. Select one option among ▲/▼ **CVBS/S-Video** using the ▲/▼ button, and press the **OK** (◉) button

#### 2. VCR-SCART

You can set VCR SCART Output.
1. Select *VCR-SCART* using the ▲/▼ button.
2. Select one option among ▲/▼ **CVBS/S-Video** using the **OK** (◉) or ▶ button.

#### 3. Audio Output

Set the Audio Output.
1. Select *Audio Output* using the ▲/▼ button.
2. Select one option ▲/▼ **Stereo** or **Mono** using the **OK** (◉) or ▶ button.

#### 4. Screen Ratio

You can set the aspect ratio of your TV.
1. Select *Screen Ratio* using the ▲/▼ button.
2. Select one option ▲/▼ **4:3** or **16:9** using the **OK** (◉) or ▶ button.

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## 5. Display Format

You can select the Display Format according to TV Screen Ratio.
1. Select *Display Format* ▲/▼ button, and press the **OK** (◉) or ▶ button.

2. If the Screen Ratio is set to *4:3*, you can select one from *16:9 Letterbox/14:9 Letterbox/Centre Cutout* using the ▲/▼ button, and press the **OK** (◉) button.

3. If the screen ratio is set to *16:9*, this item will display *Disable* or *Auto.*

## 6. Dynamic Range

This function adjusts audio output of SCART, RCA, and RF cable with DOLBY DIGITAL.

When listening at a low volume, Dynamic Range reduces the volume of loud sounds such as explosions, etc, and increases the volume of quiet sounds such as whispered dialog.
1. Select *Dynamic Range* using the ▲/▼ button, and press the **OK** (◉) or ▶ button.

2. Select one option among ▲/▼ **Maximum/Standard/Minimum** using the ▲/▼ button, and press the **OK** (◉) button

| | |
|---|---|
| **Maximum** | No compression of Dolby Digital sound. |
| **Standard** | Light compression of Dolby Digital sound. Set this when listening at low volume in night. If you connect to a TV with a RCA socket, we will recommend Standard for user. |
| **Minimum** | Heavy compression of Dolby Digital sound. Set this when listening the TV by connecting by RF cable. If you connect to a TV with a RF socket, we will recommend Minimum for user. |

## 7. Downmix Mode

You can set the downmix mode
1. Select Downmix Mode using the ▲/▼ button, and press the **OK** or (◉) button.

2. You can select one option from *Dolby Surround* or *Stereo Normal*.

## 7. Setting Preferences

### 7.6 UHF Tuning

You can set the UHF Tuning channel.

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



### 1. UHF Channel

You can select UHF Channels for the TV. The Channel range and Frequency change according to PAL Standard.

1. Select *UHF Channel* using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.
2. Select channel range based on the following channel criteria using the ▲/▼ button, and press the **OK** (⊙) button.

   **CH21-CH69**      PAL I/G for Europe
   **CH28-CH69**      PAL B for Europe/Australia

### 2. PAL

You can select the channel range and frequency table.

1. Select *PAL* using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.
2. Select one option among *PAL I/PAL G/PAL B* using the ▲/▼ button, and press the **OK** (⊙) button.

### 3. UHF Offset

You can adjust fine tuning setting.

1. Select *UHF Offset* using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.
2. Select a range between *-4~+4* using the ▲/▼ button, and press the **OK** (⊙) button.

## 7.7 Miscellaneous Settings

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



### 1. i-Plate Display Time

You can set the duration 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 *Disable,* 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 CH List

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

1. Select the *Option in CH 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

### 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.

### 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 the channels found until then will be displayed.

2. If search operation is successfully completed, and the channel does not exist, press the **OK** (⊙) button and try to reset the search operation again if necessary.

3. You can delete unnecessary channels from the searched channels. Select 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* to select all channels, select *Delete,* and press the **OK** (⊙) button.

4. When completing Channel Search and deleting unnecessary channels, select *Save* to save the changes.

## 8.2 Manual Search

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

1. Select **MENU** (⊚) button.

2. Select *Installation* using the ▲/▼ button, and press the **OK** (⊚) or ▶ button.

3. Select *Manual Search* from Installation menu using the ▲/▼ button, and press the **OK** (⊚) or ▶ button.

4. Select *Channel, Frequency, Mode, Guard Interval* or *Network Search* using the ▲/▼ button, and press the **OK** (⊚) or ▶ button.

### 1. Channel Number

Enter your desired frequency channel to search. When entering frequency channel value, the appropriate frequency value is entered.

Select one of channel using the ▲/▼ button, press the **OK**(⊚) button.

### 2. Frequency

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

Enter frequency using the **NUMERICAL**(0~9) button and press **OK**(⊚) button.

### 3. Mode

Required for Channel Search. If you don't know the value, please select Auto.

Select among **Auto, 2k** and **8k** using the ▲/▼ button, and press the **OK**(⊚) button.

### 4. Guard Interval

Required for Channel Search. If you don't know the value, please select Auto.

Select one option among **Auto, 1/4,1/8,1/16** and **1/32** using the ▲/▼ button, and press the **OK**(⊚) button.

# 8. Installation

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

Select one option between **Enable** and **Disable** using the ▲/▼ button.

> **Note:** You can search after the setting of Manual Search. Refer to **8.1 Automatic Search**.

## 8.3 Default Setting

Default Setting restores the receiver to the default settings.

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

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 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 Humax website - http://www.humaxdigital.com.

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

**Warning :**   You can search after the setting of Manual Search. Refer to **8.1 Automatic Search**.

### 9.1 OTA (Over the Air)

OTA, an abbreviation of **Over-the-Air**, means that downloads the software where the manufacturer reserves the right to decide when and where to release through aerial.

Over the Air(OTA) is simply another alternative 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 aerial. The software update via aerial will only occur under the following circumstances.

1. The equipment should have appropriate loader software.

   **Caution:**   Please note that if 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 aerial

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

4. Update 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 (co-axial Cable) 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. Automatic Update

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

1. Select **Automatic Update** using the ▲/▼ button, and press the **OK**(◉) or ▶ button. Automatically search for new software.
2. When detecting update software, the following result is displayed. If new software is not found by Automatic, use Manual Update.

3. 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.
   Select **Later** and press the **OK** (◉) button to update later. That means the update menu display as soon as you turn on the receiver next time.
4. When completing the software update, the product is automatically powered off and on again.

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

Among the Software Update Sites of HUMAX, the software search operation is performed only for the satellites that have been set to *Enable* in *Installation - Antenna Setting - Satellite Alternative* menu and that have all other Antenna Setting correct.

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

   Select the channel number which provides update software. You can also enter the frequency instead of channel number in which updated software is provided.

2. Select *Mode.* If the information is not known, then *Auto* can be selected.

3. Select *Mode*. If the information is not known, then *Auto* can be selected.

4. Select *Guard Interval.* 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. Select *Later* and press the **OK** (⊙) button to update later. That means the update menu display as soon as you turn on the receiver next time.

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.

## 9. Software Update

You can specify the software detecting time.
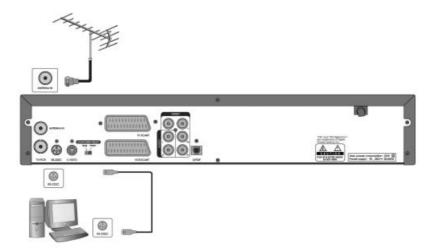
If the receiver powers on during software auto-detecting, Detecting will stop.

1. Select **Software Auto-Detecting** from **Software Update** screen using the ▲/▼ button.

2. Select **Enable** or **Disable** using **OK** (◉) or ▶ button whether or not setting the software detecting time automatically.

3. When you select **Enable**, you can set the detecting time in the Auto-Detecting Time.

### 9.2 S/W Update from PC

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

1. Download new software file (HDF files) equivalent for this product model from our website into your computer(http://www.humaxdigital.com).

2. Download and install download tool file from our website into your computer.

3. Connect your PC to this product with RS-232C serial cable.

4. Execute installed download tool, and then follow the instructions contained the download tool.

5. Press the **STANDBY** (⏻) button to make this product operating.

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## 10. System Information

You can view all system information, signal strength and quality.

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, and Update Date*

### 10.2 Signal Detection

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

1. Select **Signal Detection** using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.
2. Displays the channel name, frequency, mode, and guard interval of terrestrial frequency, and currently tuned channel number and its name, which current channel belongs to and the graphs and percentage of Signal Strength and Quality of the channel.

## 11. Games

This product provides various games for user's entertainment.

1. Press the **MENU** (⊙) button.

2. Select *Games* 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.

Press the **GAME**( 🎮 ) button to start directly.

# 12. Manipulating your TV using Remote Control

You can manipulate TV using the remote control provided by Humax.

**Note:** This function may not be supported depending on TV model.

## TV code setting

**Note:** While you are setting TV code, please keep pressing TV button.
1. Point remote control towards the remote control receiving parts of TV.
2. Press the **TV** ( ⊖ ) button, and the TV button LED blinks once.
   Keep pressing *TV* button for 3 seconds, then TV button LED turn on.
   Press three numbers of TV code using the **NUMERICAL** (0~9) button orderly.
   Refer to the following **Code for TV manufacturer.**
3. TV button LED blink twice when you detach your finger from the TV button.
4. TV power turns on or off when the setting is completed.

### [Code for TV manufacturer] Table

| Brand | Code | Brand | Code |
|---|---|---|---|
| A MARK | 002 | ARCAM | 062,063 |
| ABEX | 016 | ARCHER | 002 |
| ACTION | 110,124 | ASUKA | 064,071 |
| ACURA | 004 | ATLANTIC | 098 |
| ADMIRAL | 030,042,076,099,123 | AUDINAC | 081 |
| ADYSON | 016,063 | AUDIOSONIC | 018,071 |
| AIKO | 029 | AUDIOVOX | 002,029,052,084 |
| AKAI | 015,099,109,124 | AUMARK | 026 |
| AKURA | 064,071 | AUTOVOX | 068,076,097 |
| ALARON | 051,055,062 | BARCO | 086 |
| ALBA | 004,017,018,064,123 | BASIC LINE | 004,064 |
| ALLORGAN | 118 | BAUR | 018,087,097,099,102,108 |
| AMBASSADOR | 049 | BAYSONIC | 052 |
| AMPLIVISION | 063 | BEAUMARK | 050 |
| AMSTRAD | 004,018,047,049,145 | BEC | 099,110,124 |
| ANAM | 003,004,052 | BECRESE | 040,099,108,109,110 |
| ANAM NATIONAL | 024 | BELCOR | 009 |
| ANITECH | 004,071 | BELL & HOWELL | 006,038,106 |
| ANITECH | 071 | BEON | 018 |
| ANSONIC | 127 | BINATONE | 063 |
| AOC | 002,009,015,056 | BLACKSTRIPE | 040 |

| Brand | Code |
|-------|------|
| BLACKSTRIPE | 106 |
| BLACKSTRIPE | 108 |
| BLAUPUNKT | 059,060,061 |
| BLUE SKY | 064 |
| BLUE STAR | 075 |
| BOOTS | 063 |
| BOSCH-BAUER | 098 |
| BPL | 075 |
| BRADFORD | 052 |
| BRINKMANN | 123 |
| BRITANNIA | 062 |
| BROCKWOOD | 009 |
| BROKSONIC | 002,067,085 |
| BROTHER | 071 |
| BRUNS | 126 |
| BSR | 093,118 |
| BTC | 064 |
| BUSH | 004,017,018,064,075,093, 099,117 |
| CANDLE | 015,025,057 |
| CAPEHART | 124 |
| CAPSONIC | 071 |
| CARNIVALE | 015 |
| CARREFOUR | 017 |
| CARVER | 023,046 |
| CASCADE | 004 |
| CATHAY | 018 |
| CCE | 063,018,078 |
| CCI | 115 |
| CENTURION | 018 |
| CGE | 101,123 |

| Brand | Code |
|-------|------|
| CIE | 133 |
| CIMLINE | 004,117 |
| CINERAL | 029,084 |
| CITIZEN | 015,019,025,026,029,040, 057,074 |
| CLAIRTONE | 1056 |
| CLARIVOX | 018 |
| CLARIVOX | 125 |
| CLATRONIC | 098 |
| CLATRONIC | 127 |
| CME | 004,005,017,018,028,042, 049,063,065,066,068,076, 079,087 |
| CONCERTO | 025 |
| CONDOR | 098 |
| CONIC | 110 |
| CONTEC | 004,017,052,056,062 |
| CONTINETAL EDISON | 141 |
| CRAIG | 052 |
| CRIPTOVISION | 105 |
| CROSLEY | 023 |
| CROSLEY | 110 |
| CROWN | 004,018,019,052,127 |
| CTC | 098 |
| CURTIS MATHES | 006,015,019,020,021,023, 026,030,035,038, 25,040, 044,084,106 |
| CXC | 052 |
| CYBERTON | 064 |
| DAEWOO | 004,009,018,019,029,084, 133 |

| Brand | Code |
|---|---|
| DAINICHI | 064 |
| DANSAI | 018 |
| DAYTON | 004,009,019,108 |
| DE GRAAF | 066 |
| DECCA | 018,028,129 |
| DENON | 035 |
| DESMET | 098 |
| DIXI | 003,004,018,126 |
| DUAL | 097 |
| DUAL TEC | 063 |
| DUMINT | 127 |
| DUMONT | 007,009 |
| DYNATECH | 063 |
| EB TELECOM | 105 |
| ECTEC | 081 |
| ELBE | 116 |
| ELECTROBAND | 056 |
| ELECTROHOME | 080,106,110 |
| ELEKTA | 071 |
| ELIN | 018 |
| ELITE | 040,064,098,106 |
| ELMAN | 127 |
| ELTA | 004 |
| EMERSON | 009,019,038,049,050,051, 051,053,054,055,056 067,072,074,075,085 |
| ENVISION | 015 |
| ERRES | 018 |
| EURO-FEEL | 071 |
| EUROMANN | 071 |

| Brand | Code |
|---|---|
| EUROPHON | 127 |
| FERGUSON | 018 |
| FIDELITY | 062,097,104 |
| FINLADIA | 106 |
| FINLUX | 018,028,051,093,129 |
| FIRST LINE | 118,004,062,063 |
| FISHER | 038,041,063,097,106, 108,126 |
| FORMENTI | 018,098,103 |
| FRONTECH | 042,071,099 |
| FUJITSU | 028,051,124 |
| FUNAI | 047,051,052,071,118 |
| FUTURETECH | 052 |
| GALAXIS | 123,142 |
| GBC | 099 |
| GE | 011,013,020,021,024,030, 034,050,075,084 |
| EC | 018,028,063,095,110,129 |
| GELOSO | 004,099 |
| GENEXXA | 042,064 |
| GIBRALTER | 007,009,015 |
| GO VIDEO | 026 |
| GOLDSTAR | 000,001,009,015,016,018, 019,025,033,050,063, 071,093,110,124,140 |
| GOODMANS | 017,018,028,051,063,133 |
| GPM | 064 |
| GRADIENTE | 022,025,046,082 |
| GRADIN | 098 |
| GRAETZ | 042,099 |

| Brand | Code |
|---|---|
| GRANADA | 018,028,063,109,124 |
| GRANDIN | 075 |
| GRUNDIG | 018,059,060,068,137 |
| GRUNPY | 051 |
| GRUNPY | 052 |
| HALIEAX | 071 |
| HALLMARK | 050 |
| HANSEATIC | 018,089,097,098,099, 118,119 |
| HARLY DAVIDSON | 051 |
| HARMAN KARDON | 023 |
| HARVARD | 052 |
| HCM | 004,071,075 |
| HEMMERMANN | 097 |
| HINARI | 004,017,018,051,064 |
| HITACHI | 094,095,096,099,102, 108,109,110,111,112, 113,114,124,148,016, 017,025, 031,032,035, 037,042,048,063,066, 090,091 |
| HUANYU | 062 |
| HUSPI ELEKTRONIK | 123 |
| HYPERVISION | 134 |
| HYPSON | 018,071,075 |
| HYPSON | 071,075 |
| ICE | 063,071 |
| ICES | 064 |
| IMPERIAL | 092,099,101,123 |
| INDESIT | 068 |
| INDIANA | 018 |

| Brand | Code |
|---|---|
| INFINITY | 023 |
| INGEKEN | 139 |
| INGELEN | 042 |
| INNOHIT | 028,124 |
| INNOVA | 018 |
| INTEQ | 007 |
| INTERBUY | 071 |
| INTERFUNK | 018,042,095,099 |
| INTERVISION | 018,063,071,127,144 |
| ISUKAI | 064 |
| ITT | 042,099,108 |
| JACSON | 129 |
| JBL | 023 |
| JCB | 137 |
| JEC | 040 |
| JVC | 017,022,045,054 |
| KAISUI | 004,062,063,064,075 |
| KAMP | 062 |
| KAPSCH | 042,095,099 |
| KATHREIN | 089 |
| KAWASHO | 062,077 |
| KEC | 052 |
| KENDO | 018,099,117,119,127, |
| KENWOOD | 009,015 |
| KINGSLEY | 062 |
| KLH | 124 |
| KLOSS | 012 |
| KMC | 033 |
| KONIG | 004,005,017,018,042,061, 068 |

| Brand | Code |
|---|---|
| KORPEL | 018 |
| KORTING | 098 |
| KOYODA | 004 |
| KTV | 015,019,052,055,056, 063,074 |
| KUBA ELECTRONIC | 097 |
| LENCO | 071,133,146,018,028, 071,118,124 |
| LG | 025 |
| LIESENK & TTER | 018 |
| LIFETEC | 071 |
| LLOYTRON | 016 |
| LOGIK | 000,006 |
| LUMA | 099 |
| LUXMAN | 025 |
| LUXOR | 068,094,099,102,124 |
| LXI | 007,020,023,038,040, 050,106 |
| M ELECTRONIC | 004,018,042,063,097,127 |
| MAGNAFON | 127 |
| MAGNASONIC | 106 |
| MAGNAVOX | 010,012,014,015,017, 023,051,057,058,110 |
| MAJESTIC | 006 |
| MANDOR | 071 |
| MANESTH | 063,071,098,117 |
| MARANTZ | 015,018,023,089 |
| MARK | 018 |
| MATSUI | 004,005,018,049,063, 092,097,117 |
| MATSUSHITA | 021,070 |
| MC MICHAEL | 110 |

| Brand | Code |
|---|---|
| MEDIATOR | 018 |
| MEGATRON | 002,035,050,109 |
| MEI | 056 |
| MEMOREX | 004,006,025,026,033,036, 038,050,070,071,106 |
| MEMPHIS | 124 |
| MGA | 009,015,036,039,050 |
| MIDLAND | 007,016,019,020,021,034 |
| MINERVA | 068 |
| MINUTZ | 011 |
| MITSUBISHI | 009,017,030,036,039,050, 068 |
| MIVAR | 062 |
| MOTOROLA | 024,030 |
| MTC | 009,015,025,026,056,062 |
| MULTISTANDARD | 127 |
| MULTITECH | 004,052,062,063,099,127 |
| MUTIMEDIA | 132 |
| NAD | 040,044,050 |
| NAONIS | 099 |
| NATIONAL | 068 |
| NEC | 009,015,017,025,046 |
| NECKERMANN | 018,059,087,089,099,102 |
| NEI | 018 |
| NESCO | 051 |
| NETSAT | 018 |
| NIKKAI | 016,018,028,040,062,064, 071124 |
| NIKKO | 007,015,020,029,038,040, 050 |
| NISATO | 1081 |
| NOBLEX | 083 |

| Brand | Code |
|---|---|
| NOKIA | 071,094,095,096,099,106, 108,143 |
| NOSHI | 008 |
| NTC | 029 |
| OCEANIC | 042,099,106,118 |
| ONWA | 052 |
| OPTIMUS | 038,044,070 |
| OPTIONICA | 030,043 |
| ORION | 018,049,051,067,085,097, 098,118 |
| OSAKI | 016 |
| OSAKI | 028 |
| OSAKI | 063 |
| OSAKI | 064 |
| OSAKI | 071 |
| OSAKI | 124 |
| OSO | 064 |
| OSUME | 016,028,124 |
| OTTO VERSAND | 017,018,059,063,087,089, 093,097,098,099,102, 108,117,118 |
| PALLADIUM | 099 |
| PANAMA | 063,071 |
| PANASONIC | 000,020,021,022,023,024, 026,030,035,036,038, 040,042,043,050,065, 068,070,079,099 |
| PATHE CINEMA | 062,098 |
| PAUSA | 004 |

| Brand | Code |
|---|---|
| PCE/PEC | 040,106,108 |
| PENNEY | 001,102,008,009,011,013, 015,016,019,020,021, 025,026,034,040,050 |
| PHASE | 016 |
| PHILCO | 009,010,012,014,015,023, 035,057,058,085,123 |
| PHILIPS | 007,008,009,010,011,012, 013,014,018,019,023, 089,110,124,138, |
| PHONOLA | 018,098 |
| PILOT | 009,015,019 |
| PIONEER | 042,044 |
| POLICOM | 068 |
| POLYRON | 071 |
| PORTLAND | 009,019,029 |
| PRANONI PRINCE | 099 |
| PRIMA | 040,106 |
| PRINZ | 124 |
| PRISM | 021 |
| PROFEX | 004 |
| PROLINE | 119 |
| PROSCAN | 015,020 |
| PROTEC | 099,127 |
| PROTECH | 004,018,063,071, |
| PROTON | 002,050 |
| PULSAR | 007,009,110,124, |
| QUASAR | 021,024,043,070, |

| Brand | Code |
|---|---|
| QUELLE | 005,018,087,093,097,099, 108,117,118 |
| QUESTA | 017 |
| RADIO SHACK | 009,015,016,019,020,025, 038,043,050,052,106 |
| RADIOLA | 018 |
| RADIOTONE | 071 |
| RADIX | 108 |
| RANK ARENA | 017 |
| RCA | 008,009,020,021,030,034 |
| REALISTIC | 009,015,016,019,025,038, 043,050,052,106 |
| REKORD | 149 |
| REVOX | 018 |
| REX | 042,071,076,099, |
| RFT | 088,126, |
| RHAPSODY | 055,056,062 |
| R-LINE | 018 |
| ROADSTAR | 004,064,071 |
| ROYAL LUX | 131 |
| RTF | 018 |
| RUNCO | 007,015 |
| SABA | 042,095,099 |
| SAGEM | 139 |
| SAISHO | 004,005,049,071,117 |
| SAKIO | 071 |
| SALORA | 042,094,099,102,106,124 |
| SAMBERS | 127 |
| SAMPO | 015,016,019 |

| Brand | Code |
|---|---|
| SAMSUNG | 004,009,015,016,018,019, 025,026,050,063,071, 078,089,124,137 |
| SAMSUX | 019 |
| SANDRA | 062 |
| SANSEI | 084 |
| SANSUI | 085 |
| SANYO | 005,017,028,038,041,106, 107,108,124,129 |
| SBR | 018 |
| SCHAUB LORENZ | 099 |
| SCHNEIDER | 018,064,071,097,136,143, 147 |
| SCIMITSU | 009 |
| SCOTCH | 050 |
| SCOTT | 009,050,051,052,067 |
| SEARS | 020,023,025,038,040,041, 047,050,051,106 |
| SEG | 017,063,071,126,127 |
| SEI | 049 |
| SEI-SINUDYNE | 097,099,117,118,127 |
| SELECO | 042,076,099,100,119,120, 122, |
| SEMIVOX | 052 |
| SEMP | 040 |
| SENTRA | 040 |
| SHARP | 017,019,030,043 |
| SHOGUN | 009 |
| SHORAI | 118 |

| Brand | Code |
|---|---|
| SIAREM | 127 |
| SICATEL | 121 |
| SIEMENS | 018,059,060,061 |
| SIGNATURE | 006,040 |
| SILVER | 017 |
| SIMPSON | 057,058 |
| SINGER | 127 |
| SINUDYNE | 049 |
| SKANTIC | 099 |
| SKY | 018 |
| SOGERA | 098 |
| SOLAVOX | 016 |
| SOLAVOX | 042 |
| SONITRON | 108 |
| SONOKO | 004,018,071 |
| SONOLOR | 042 |
| SONTEC | 018 |
| SONY | 005,017,073,087 |
| SOUND&VISION | 127 |
| SOUNDESIGN | 050,051,052,057 |
| SOUNDWAVE | 018 |
| SPECTRA | 133 |
| SPECTRICON | 002 |
| SQUAREVIEW | 047 |
| SR2000 | 106 |
| SSS | 009,052 |
| STANDARD | 004,063,064,098 |
| STARLITE | 052 |
| STERN | 042,076,099 |
| SUNKAI | 117,118 |
| SUPERTECH | 097 |

| Brand | Code |
|---|---|
| SUPRA | 025 |
| SUSUMU | 064,010,012,014,015,023, 057,058,080 |
| SYMPHONIC | 047 |
| SYSLINE | 018 |
| TADNDY | 124 |
| TANDY | 028,030,042,063,064 |
| TASHIKO | 110 |
| TASHKO | 017,063 |
| TATUNG | 002,018,024,028,063,124 |
| TEC | 063,133 |
| TECHLINE | 127button. |
| TECHNEMA | 098 |
| TECHNICS | 007,020,021,070 |
| TECHNISAT | 130 |
| TECHNOL ACE | 051 |
| TECHWOOD | 002,021,025 |
| TEKNIKA | 006,009,019,023,025,026, 029,036,051,052,057 |
| TELECO | 135 |
| TELEFUNKEN | 025 |
| TELEMEISTER | 098 |
| TELETECH | 004 |
| TELETON | 017,057,063,099 |
| TELEVIDEON | 098 |
| TENSAI | 064,093,098,118 |
| TESLA | 135 |
| TEXET | 062,064 |
| THOMAS | 110 |
| THOMAS | 124 |
| THOMSON | 068 |

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| Brand | Code |
|---|---|
| THORN | 018,028,040,087,107, 108,110,112,128,129 |
| TMK | 025,049,050 |
| TOKAI | 124 |
| TOMASHI | 075 |
| TOSHIBA | 017,026,038,040,069, 106,108 |
| TOSONIC | 056 |
| TOTEVISION | 019 |
| TOWADA | 099,127 |
| TRIUMPH | 049,069 |
| TV TEXT | 089 |
| UHER | 098 |
| UHER | 127 |
| ULTRA | 081,124 |
| ULTRAVOX | 127 |
| UNIVERSAL | 011 |
| UNIVERSAL | 013 |
| UNIVERSUM | 018,071 |
| VECTRO RESEARCH | 015 |
| VESTEL | 018 |
| VICTRO | 012 |
| VIDEOTECHNIC | 013 |

| Brand | Code |
|---|---|
| VIDEOTON | 094 |
| VIDIKRON | 023 |
| VIDTECH | 009,017,050 |
| VISA | 004,005,017,018,042,068 |
| VISION | 098 |
| VOXSON | 042,099 |
| VTQ | 126 |
| WALTHAM | 063,094,099 |
| WARDS | 006,009,010,011,013,014, 015,023,025,034,040, 043,050,051,058 |
| WATSON | 018,098 |
| WATT RADIO | 097,127 |
| WEGA | 017 |
| WHITE WESTINGHOUSE | 018,062,098,106 |
| WORLD-TECH | 133 |
| YAMAHA | 009,015 |
| YOKO | 018,063,071,133 |
| YORK | 108 |
| ZANUSSI | 076,099 |
| ZENITH | 006,007,029 |
| ZONDA | 002 |

# DVD Player

# 1. Getting Started

## Loading a Disc

You can switch to DVD player mode by pressing the **DVD/STB** button while in DTV mode.

1. Press the **OPEN/CLOSE** button to open the disc loading tray which is located at the front of your receiver.

2. Put the selected disc on the tray and check that it is located correctly.

3. Press the **OPEN/CLOSE** button to close the tray.

4. The player is reading the disc. Please wait.

## 2. Playing a DVD-VIDEO Disc

You can recognise the DVD-Video disc by the logo.

Each disc has one or more chapters.

Your receiver moves within the titles or chapters to access easily and conveniently.

| ⟵ DVD-VIDEO Disc ⟶ | | | | | |
|---|---|---|---|---|---|
| TITLE 1 | | | TITLE 2 | | |
| Chapter 1 | 2 | 3 | Chapter 1 | 2 | 3 |

### Buttons

| **Marker** | |
|---|---|
| (A▸B) | Marking |
| (PROGRAMME/ZOOM) | A-B repeat |
| (ZOOM) | Zoom on/off |
| (▶/II) | Play / Pause |
| (◀◀/◀I) | Fast backward/ Slow motion |
| (▶▶/I▶) | Fast forward/Slow motion |
| (■) | Stop |
| (ZOOM⊖ I◀◀/◀I) | Skip previous /Frame by frame |
| (ZOOM⊕ ▶▶I/I▶) | Skip next / Frame by frame |

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## 2.1 Playing a title

1. Press the **OPEN/CLOSE** button on the Front panel and insert a disc.
2. Press the **OPEN/CLOSE** button to close the disc loading tray.
3. Press the ( ▶❙❙ ) button to play the disc.
4. Disc menu is displayed.
5. Select your desired item using the ▲/▼/◀/▶ or **NUMERICAL** (0~9) button, and press the **OK** ( ⊙ ) button.
   As the disc plays, the display shows the current chapter or title, and the elapsed playing time.
6. Return to menu when the title is fully played.
7. Press the ▶ button to move to the next title.

| | |
|---|---|
| **Stop/Resume** | Press the **STOP** ( ◼ ) button to stop playing. |
| | Press the ▶ button to resume playing from where you stopped playing. |
| **Pause/Play** | Press the ( ▶❙❙ ) button to pause play. |
| | Press the ( ▶❙❙ ) button again to resume playing. |
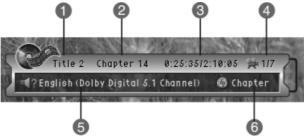
## 2.2 General Information

Press the **i** ( ⑂ ) button to display the information as below while playing a DVD.

Press the **i** ( ⑂ ) button, **BACK** ( ⊚ ) button or **EXIT** ( ⊚ ) button to hide the information displayed on the screen.

The following information is displayed.



1. Title No.: Displays the title number.
2. Chapter No.: Displays the chapter number.
3. Play Time Information: Displays full playing time and currently playing time of the Disc or chapter. Time display format can be changed by the **TIME** button.
4. Angle: Displays total number of angles and the number of currently playing angles.
5. Soundtrack : Displays audio information.
6. Repeat Mode : Displays repetition of the currently playing chapter.

## 2. Playing a DVD-VIDEO Disc

### 2.3 Search

You can move directly to your desired chapter/title /time/marker.

Press the **SEARCH** button to change search mode.

Press the **EXIT** (⊚) or **BACK** (⊚) button to immediately hide search mode on the screen .

#### 1. Chapter/Title

1. Press the **SEARCH** button repeatedly to select a chapter or title.

2. Enter your desired chapter or title number using the **NUMERICAL** (0~9) button when your desired item is displayed.
   If you enter more than the total chapter or title number, the number entered is discarded. In that case, enter the chapter or title number again.
   Press the **OK** 38
   (⊚) button to immediately move to the beginning of a selected chapter or title.

#### 2. Time

1. Press the **SEARCH** button repeatedly to select time.

2. Enter your desired time using the **NUMERICAL** (0~9) button when time is displayed.
   If you enter more than the total play time, the entered number is discarded. In that case, enter the time again.

3. Press the **OK** (⊚) button to move to the selected time immediately.

#### 3. Marker

1. Press the **SEARCH** button repeatedly to select Marker.

2. Select your desired marker from the Marker list using the ▲ or ▼ button, and then press the **OK** (⊚) button. The chapter or title is played from the marked point.

3. Select a marked point in the Marker list and press the **CLEAR** (⊚) button to delete the mark.

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**Note:**
- If the marking list is full, you cannot add a new mark and a *Fully Marked* message is displayed.
- Press the Marker **MARKER** button to mark while watching a channel.

## 2.4 Skipping Chapter

You can move to the beginning of the current chapter, the next chapter, or the previous chapter.

1. Press the **SKIP NEXT** ( ⊡ ) button to move from the chapter currently playing to the next chapter.
2. Press the **SKIP PREVIOUS** ( ⊡ ) button to move to the beginning of the chapter currently playing.
3. Press the **SKIP PREVIOUS** ( ⊡ ) button again to move to the beginning of the previous chapter.

Note:   Press the **SKIP NEXT** ( ⊡ ) or **SKIP PREVIOUS** ( ⊡ ) button to display the number of the chapter currently moving on the top right of the screen.

## 2.5 Repeat Mode

You can repeat the currently playing chapter, title or disc.

1. Press the **REPEAT MODE** button to display current repeat mode during playing.
2. Press the **REPEAT MODE** button repeatedly to change repeat mode in the order of *Chapter -> Title ->Disc -> Off.*

Note:   Select *Off* to disenable repeat mode.

## 2. Playing a DVD-VIDEO Disc

### 2.6 Repeat a section of disc

You can set the sections to repeatedly switch between each other.

1.  Press the **A ▶ B** ( (A·B) ) button while playing a disc to set the repeat point to A.
2.  Press the **A ▶ B** ( (A·B) ) button repeatedly to repeat playing between Section A and B.
3.  Play the setting start and end section repeatedly.
4.  If the **A ▶ B** setting is displayed on the screen, press the **A ▶ B** ( (A·B) ) button to release the setting.
    If the **A ▶ B** setting is not displayed on the screen, press the ( (A·B) ) button to display the screen setting, and then press the ( (A·B) ) button again to release the setting.

### 2.7 Fast Playing

Press the **FORWARD** ( (▶▶) ) button to increase the forward playing speed.

Press the **FORWARD** ( (▶▶) ) button to increase the backward playing speed.

Each time you press the **FORWARD** ( (▶▶) ) or **BACKWARD** ( (◀◀) ) button, the playing speed options are rotated as below.

**Forward**       x2 -> x4 -> x8 -> x16 -> normal play -> x2 -> x4 ...

**Backward**     x2 -> x4 -> x8 -> x16 -> normal play-> x2 -> x4 ...

**Note:**
*   The DVD subtitle is displayed as forward x2. If you increase the playing speed faster than this, the subtitle is not displayed.
*   Press the ▶ button to play at normal speed.

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## 2.8 Slow Motion

1. Press the **PAUSE** ( ▶/❚❚ ) button to temporarily stop the currently playing DVD disc.

2. Press the **FORWARD** ( ▶▶/▶ ) button to play in slow motion. Each time you press the **FORWARD** ( ▶▶/▶ ) button, the slow motion speed options are rotated as below.

   **Slow motion**     5%->8%->12%->20%->30%->40%
   ->50%-> 60%->70%->80%->90%->
   normal play -> 5%->8%......

**Note:** Press the ▶ button to play at normal speed.

## 2.9 Zooming in and out

1. Press the **ZOOM** ( PROGRAMME ZOOM ) button to zoom in or out. Press the **ZOOM** ( PROGRAMME ZOOM ) button to turn On. Press the **ZOOM** ( PROGRAMME ZOOM ) button to turn Off.
2. Press the **ZOOM+** ( ZOOM+ ▶▶▶ ) or **ZOOM-** ( ZOOM- ◀◀◀ ) button to zoom in or out.
   Press the ▲/▼/◀/▶ button to move within the zoomed in/out screen.

## 2.10 Subtitle/Audio

If the disc provides several types of subtitles or audio information, you can change the subtitle or audio.

Press the **SUBTITLE** ( ⊡ ) or **AUDIO** ( ⊜ ) button repeatedly to select your desired subtitle /audio language.

**Note:**
- Subtitle/audio languages can be changed according to the DVD title.
- Select *Off* in Subtitle to not display a subtitle.

## 2. Playing a DVD-VIDEO Disc

### 2.11 Listening Mode

Press the **OPT+** (⊂▭⊃) button repeatedly to select your desired listening mode.

**Note:** Listening mode can be different according to DVD title.

### 2.12 Time display

Press the **TIME** ( ⏱ ) button repeatedly to select your desired listening mode.

| | |
|---|---|
| **Total elapsed** | Displays the total elapsed time since the title has been playing. |
| **Total remain** | Displays the total remaining time to be played. |
| **Single elapse** | Displays the elapsed time for the currently playing chapter. |
| **Single remain** | Displays the remaining time to be played for the currently playing chapter. |

**Note:**
- The selected time play mode is also adjusted in the front panel.
- Total time on the screen is displayed as *Total* in the front panel; Single chapter on the screen is displayed as *Single* in the front panel.

### 2.13 Angle

You can select the camera angle.

Press the **ANGLE** ( ⛰ ) button repeatedly to select your desired angle.

**Note:** The number of angles can be changed according to the DVD.

**GB 80**

## 3. Playing a Audio CD

### 3.1 Playing Audio CD

1. Press the **OPEN/CLOSE** button on the Front panel and insert a disc.
2. Press the **OPEN/CLOSE** button to close the disc loading tray.
3. The main menu will be displayed to list all audio files in the disc as below.

4. Select your desired item using the ▲/▼ button and press the **OK** ( ⊙ ) button. The audio is played.
   You can move by page using the **PAGE-/PAGE+** ( ⊟/⊞ ) button.
   You can change play mode by pressing the **PLAY MODE** button repeatedly.
   You can also change repeat mode by pressing the **REPEAT MODE** button repeatedly.

**Note:** You can play tracks in the same way as with a disc.Please refer to chapter *2.2 Playing a Title.*

### 3.2 Detail Information

If you select MP3 file on the Main Screen, press the **i** ( ⦵ ) button to display its detailed information.

You can press the **i** ( ⦵ ) button, **BACK** ( ⊙ ) button or **EXIT** ( ⊙ ) button to hide the information displayed on the screen and return to main screen.
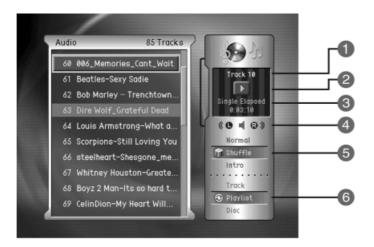
**Note:** This is only available for MP3 files.

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## 3. Playing a Audio CD

You can see current status of your audio player at a glance.

The following information is displayed.



| | | |
|---|---|---|
| **1. Track No or** | | Displays the track number. |
| **2. Play Status** | | Displays the play status. |
| **3. Time Display** | | Displays the currently playing time of an audio CD. |
| **4. Listening Mode** | | Displays listening mode. |
| **5. Play Mode** | | Displays play mode. |
| **6. Repeat Mode** | | Displays repetition of the currently playing track. |

## 3.3 Playlist Menu

1. Press the **LIST** (⊙) button while playing an Audio Disc to display *Playlist* menu.
2. Press the ▲/▼ button to select your desired Playlist menu.
3. Press the **OK** (⊙) or ▶ button to move to sub-menu or select an option.

**Note:** If *Playlist* is *On,* the Track Number is displayed in the assigned order in the Playlist and the *Disc* in Repeat Mode is disabled.

| | |
|---|---|
| **Edit Playlist** | Edits the playlist. Refer to *3.10* to edit.Select your desired tracks and press the **OK** (⊙) button. Press the **BACK** (⊙) or **EXIT** (⊙) button to return to the Playlist. |
| **Add All Tracks to Playlist** | Adds all tracks on the audio disc to the playlist. |
| **Enable Playlist** | The playlist is set to *On* and track(s) on the playlist is (are) played. |
| **Disable Playlist** | The playlist is set to *Off* and all tracks on the audio disc are played. |
| **Delete Playlist** | All tracks on the playlist are deleted and the playlist is enabled. |

## 3.4 Search

You can directly move to your desired place. Press the **SEARCH** button to change search mode.

### 1. Track

1. Press the **SEARCH** button to select a track.
2. Enter your desired track number using the **NUMERICAL** (0~9) button. If you enter more than the total number, the number entered is discarded. In that case, enter the track number again.
3. Press the **OK** (⊙) button to move to the beginning of selected track immediately.

## 3. Playing a Audio CD

### 2. Time

1. Press the **SEARCH** button repeatedly to select time.
2. Enter your desired time using the **NUMERICAL** (0~9) button when time is displayed. If you enter more than the total play time, the entered number is discarded. In that case, enter the time again.
3. Press the **OK** (⊙) button to move to the selected time immediately.

**Note:** Time moves to the appropriate point within current playing track.

### 3. Marker

1. Press the **SEARCH** button repeatedly to select a Marker.
2. Select your desired marker from Marker list using the ▲/▼ button, and then press the **OK** (⊙) button. The track is played from the marked point.
3. Select a marked point in the Marker list and press the **CLEAR** (⊝) button to delete the mark.

**Note:**
- If you press the **MARKER** button during playing a track, it is immediately marked at the point.
- If the marking list is full, you cannot add a new mark and a *Fully Marked* message is displayed.

### 3.5 Listening Mode

Press the **OPT+**(▭) button repeatedly to select your desired listening mode.

**Note:** If you change listening mode, the sound is immediately changed into the selected option.

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## 3.6 Time Display

Press the **TIME ( 🕐 )** button repeatedly to select your desired listening mode.

| | |
|---|---|
| **Total** | Displays the total time of a disc. |
| **Total elapsed** | Displays the total elapsed time since the disc has been playing. |
| **Total remain** | Displays the total remaining time to be played for the disc. |
| **Single** | Displays the total time of the current track. |
| **Single elapsed** | Displays the elapsed playing time of the current track. |
| **Single remain** | Displays the remaining time to be played for the currently playing track. |

**Note:** The displayed time mode on the screen is also adjusted in the front panel.

## 3.7 Fast Playing

1. Press the **FORWARD ( ⏩ )** button to increase the forward playing speed .
2. Press the **FORWARD ( ⏩ )** button to increase the backward playing speed.
3. Each time you press the **FORWARD ( ⏩ )** or **BACKWARD ( ⏪ )** button, the playing speed options are rotated as below.

   **Forward**  x2 -> x3 -> x4 -> normal play -> x2 -> x3 ...
   **Backward** x2 -> x3 -> x4 -> normal play -> x2 -> x3 ...

**Note:**
- Press the ▶ button to play at normal speed.
- This is also applied to menu-playback, audio main screen, and playlist.

## 3. Playing a Audio CD

### 3.8 Play Mode

1. Press the **PLAY MODE** ( ☺ ) button during playing to display play mode.
2. Press the **PLAY MODE** ( ☺ ) button repeatedly to rotate the play mode in the order of *Normal -> Shuffle ->Intro -> Normal...*

| | |
|---|---|
| **Normal** | Plays in normal track order. |
| **Shuffle** | Plays in random track order. |
| **Intro** | Plays the beginning of a track for 10 seconds. |

### 3.9 Repeat Mode

1. Press the **REPEAT MODE** button during playing to display current repeat mode.
2. Press the **REPEAT MODE** button repeatedly to rotate the repeat mode in the order of *Off -> Disc -> Track -> Playlist -> Off.*

**Note:**
- Select *Off* to disenable repeat mode.
- If the playlist is set to *Off,* you cannot select repeat mode.
- The Disc repeat mode is disable during playing in the Playlist.

### 3.10 Playlist Editor

You can edit the playlist to play music file with the making lists.

1. Press the **PROGRAM** ( ) or **LIST** ( ) button during playing to display Playlist Editor.
2. Select *Edit Playlist* using the ▲ or ▼ button and press the **OK** ( ) button.

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## 4. Settings (DVD part)

### 1. Add Track

Select your desired track from *All,* and then press the **OK** (⊙) button or directly enter your desired track number using the **NUMERICAL** (0~9) button to add to the *Playlist.*

### 2. Delete Track

1. When *All* is highlighted, press the **ANGLE** ( 🐜 ) button to move the highlight into *Playlist.*
2. Select your desired track and press the **CLEAR** (⊟) button to delete it.

### 3. Play Track

When you complete editing the playlist, press the **PLAY/PAUSE** (▶⏸) button to play tracks in the assigned order on the Playlist.

**Note:** Directly enter your desired track number in playlist using the **NUMERICAL** (0~9) button, and press the **OK** (⊙) button to add to the Playlist.

### 3.11 MP3 Disc Scan

In case of MP3 Disc, you can scan the total play time of the mp3 file exists in the disc.
1. Press the **DISC MENU** (▭) button to scan an MP3 Disc.
2. Press the **OK** (⊙) or ▶ button to start scanning.
3. The total time is displayed when completing scanning.

**Note:** If the tray is open and then closed, the scanning process is reset.



You can set 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 all menu items using the assigned numerical button for each menu.

# 4. Settings (DVD part)

## 4.1 Language

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

1. Press the **MENU** (⊙) button.

2. Select **Language** using the ▲/▼ button, and press the
   **OK** (⊙) or Stereo Normal.

### 1. Player Menus/Disc Menus/Disc Audio/Disc Subtitle Language

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

1. Select **Player Menus/ Disc Menus/ Disc Audio/Disc 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.

| | |
|---|---|
| **Disc Menus** | Set the language of the Disc title. |
| **Disc Audio** | Set the audio language of the DVD disc. |
| **Disc Subtitle** | Set the subtitle language of the DVD disc. |

# 4. Settings (DVD part)

## 4.2 Audio

You can set Audio.

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



### 1. LPCM

You can select digital audio output according to the type of audio system you use.

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

| | |
|---|---|
| **PCM** | Set when connecting to an audio system without a Dolby Digital, DTS, or other special decoder. |

### 2. Dynamic Range

You can set the dynamic range.

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

| | |
|---|---|
| **Maximum** | you can set the dynamic range to maximum. |
| **Standard** | Light compression of Dolby Digital sound. Set this when listening at low volume in night. If you connect to a TV with a RCA socket, we will recommend **Standard** for user |
| **Minimum** | Heavy compression of Dolby Digital sound. Set this when listening the TV by connecting by RF cable. If you connect to a TV with a RF socket, we will recommend **Minimum** for user |

### 3. Downmix Mode

You can set the downmix mode.

Select *Downmix Mode* using the ▲/▼ button, and press the **OK** (⊙) or ▶ button. You can select one option from *Dolby Surround* or *Stereo Normal.*

## 4. Settings (DVD part)

### 4.3 Display

You can set video display.

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



### 1. TV Aspect

You can set the aspect ratio of your TV.

1. Select *TV Aspect* using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.
2. Select one option among *16:9 Widescreen/4:3 Letter Box/4:3 Pan&Scan* using the ▲/▼ button, and press the **OK** (⊙) button.

### 2. SCART Output

You can set the scart output.

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

**CVBS/S-Video/RGB**   If you set the YPbPr/RGB switch which is located in the back of your receiver,LPCM to YPbPr with setting scart output to RGB, the video signal is not output to scart. Please use the component terminal.

### 3. On Screen Info

Display the option information.

Select *On Screen Info* using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.

**On**   Display the on screen information when you change the option.

**Off**   Not display.

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# 4. Settings (DVD part)

## 4. Panel Display

You can set the front luminosity.

1. Select **Panel Display** using the ▲/▼ button, and press the **OK** (◉) or ▶ button.

2. Select one option among **Dim/Bright/Dim for Playback** using the ▲/▼ button, and press the **OK** (◉) button.

| | |
|---|---|
| **Dim** | Front panel luminosity is dim. |
| **Bright** | Front panel luminosity is bright. |

## 5. Power Saving

You can set the power saving.

1. Select **Power Saving** using the ▲/▼ button, and press the **OK** (◉) or ▶ button.

2. Select one option among **Screen Saver Time/Audio Screen Saver/Standby Time** using the ▲/▼ button, and press the **OK** (◉) or ▶ button.

| | |
|---|---|
| **Screen Saver Time** | If there's no action for assigned amount of time (3min/10min/30min), screen saver is run. If the screen saver time is set to **NEVER,** the screen saver time is not enabled. |
| **Audio Screen Saver** | If standby time is set to **On,** audio is muted while the screen saver is on. If standby time is set to **Off,** the audio screen saver is not enabled. |
| **Standby Time** | If the assigned amount of time (5min/15min/35min) has elapsed without playing, it automatically goes to Standby status. If Standby time is set to **NEVER,** Standby time is not enabled. |

## 4. Settings (DVD part)

### 4.4 Disc

You can set the option of Disc.

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

#### 1. Video CD Playback Control

You can set the playback control of video CD.

Select *Video CD Playback Control* using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.

> **On**      Display video CD playback when the video CD is playing.
>
> **Off**      Not display video CD playback.

#### 2. Player Version

You can view player information.

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

Confirm the information about **Player Version** and **Release Date**.

### 4.5 Parental Control

You can set parental control and change your password.

1. Press the **MENU** (⊙) button.
2. Select the *Parental Control* using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.
3. When prompting message is displayed to ask Password, enter the Password using the **NUMERICAL** (0~9) button.

## 4. Settings (DVD part)

### 1. Country

You can set the Country.

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

| | |
|---|---|
| **International** | You can set your desired country. |
| **USA** | You can set Country to USA. |

### 2. Parental Level

You can set the parental level.

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

2. If Country set to **International,** select one option among **Unrestricted / General / Most Audience / Mature Young / Teenage / Mature Teenage / Mature Audience / Adult / Always Restricted** using the ▲/▼ button, and press the **OK** (⊙) button.
   If Country set to **USA,** select one option among **Off/G/PG/PG-13/R/NC-17/X** using the ▲/▼ button, and press the **OK** (⊙) button.

**Note:** When you set to **Unrestricted,** the all discs play without password.

### 3. Password

You can change the current password into new one.
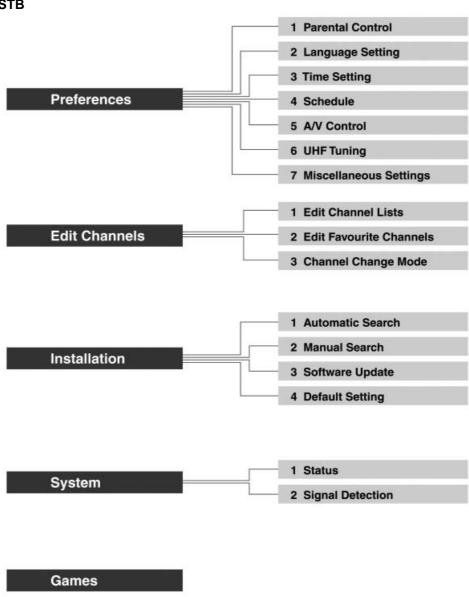
1. Select **Change Password** using the ▲/▼ button, and press the **OK** (⊙) or ◀ button.

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

3. Enter the New Password again to confirm the **Verify Password,** and select **OK** and press the **OK** (⊙) button.
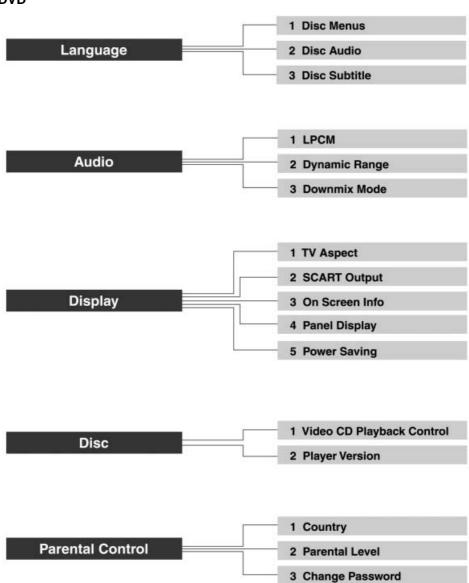
**Note:** The Default Password is **0000.** If you have forgotten your Password, please contact your local product distributor.

## Appendix1. Menu Map

**STB**

**Preferences**
- 1 Parental Control
- 2 Language Setting
- 3 Time Setting
- 4 Schedule
- 5 A/V Control
- 6 UHF Tuning
- 7 Miscellaneous Settings

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

**Installation**
- 1 Automatic Search
- 2 Manual Search
- 3 Software Update
- 4 Default Setting

**System**
- 1 Status
- 2 Signal Detection

**Games**

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**DVD**

| Language | | 1 Disc Menus |
|---|---|---|
| | | 2 Disc Audio |
| | | 3 Disc Subtitle |

| Audio | | 1 LPCM |
|---|---|---|
| | | 2 Dynamic Range |
| | | 3 Downmix Mode |

| Display | | 1 TV Aspect |
|---|---|---|
| | | 2 SCART Output |
| | | 3 On Screen Info |
| | | 4 Panel Display |
| | | 5 Power Saving |

| Disc | | 1 Video CD Playback Control |
|---|---|---|
| | | 2 Player Version |

| Parental Control | | 1 Country |
|---|---|---|
| | | 2 Parental Level |
| | | 3 Change Password |

## Appendix2. Trouble Shooting

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

### STB and DVD

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.
    - Check the brightness level of TV.
    - Check the channel is on air.

3.  Poor picture & sound quality
    - Install the antenna in a place where there is no obstacle.
    - Make sure there is no mobile phone or microwave oven near the equipment.
    - Use 75 Ω coaxial cable to connecting TV and antenna.

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 remote controller, the remote controller's top end should directly point towards the receiving part of receiver's remote controller.
    - Check the battery of Remote controller.

6.  Reservation is not available
    - Check whether it it not overlapped with other reservation.
    - Cehck whether the power switch is off.

7.  Video from the VCR is displayed but audio is not played.
    - Audio may not sound when you watch the video from the VCR through the RF terminal of the TV when the video signal is inputted from SCART of your receiver. To watch video from the VCR through RF terminal, connect the VCR and TV with the RF cable. (For more information, refer to the VCR user manual.)

## DVD only

1. Disc can't be played
   - Ensure the disc label is upwards.
   - Clean the disc.
   - Check if the disc is defective by trying another disc.
   - Check region code.

2. No return to start-up screen when disc is removed.
   - Reset by switching the player off, then on again.
   - Check to see if the proramme requires another disc to be loaded.

3. Distored sound from Hi-Fi amplifier
   - Check to make sure that no audio connections are made to the amplifier phono input.

4. No color in picture
   - The disc format is not according to the TV-set used.(PAL/NTSC)

## Error Message (STB only)

| Error message | Possible causes | What to do |
|---|---|---|
| No or bad signal | The aerial is not pointing properly. | Adjust aerial.<br><br>Check the cable from the aerial.If you cannot resolve the problem you may need to have your aerial and installation tested by a professional. |
| The channel is scrambled or not available. | The channel has signal, but no audio or video.<br><br>The channel is not deleted by broadcasting company.<br><br>The channel is for data broadcasting. | Confirm if the channel is currently on air.<br><br><br>Cannot watch the channel in usual way. |
| The channel is scrambled. | This digital terrestrial receiver does not support the service that enables to descramble the scrambled channels. | |
| The audio is not available. | The channel has signal, but no Audio. | Press the Audio button to confirm if the channel has Audio. |

## Appendix3. Specification

| Tuner & Channel | |
|---|---|
| RF Loop through Output connector | IEC-Type, IEC 169-24, male |
| Frequency Range | 48.5MHz to 226.5MHz (VHF) |
| | 470MHZ to 862MHz (UHF) |
| 1Signal Level | -10 to –70dBm |
| Demodulation | OFDM |
| Mode | 2K, 8K |
| **MPEG Transport Stream A/V Decoding** | |
| Transport Stream | MPEG-2 ISO/IEC 13818 |
| | Transport Stream Specification |
| Profile Level | MPEG2 MP@ML |
| Video Input Rate | 15 Mbit/s Max |
| 1Aspect Ratio | 4:3, 16:9 Letter box |
| Video Resolution | 720x576, 720x480 |
| Audio Decoding | MPEG/MusiCam Layer I & II |
| Audio Mode | Single channel/Dual channel/Joint Stereo/Stereo |
| **Memory** | |
| Flash Memory | 4 Mbytes |
| Graphics (MPEG) & System Memory | 16 Mbytes |
| EEPROM | 8 Kbytes |
| **Available Disc(DVD)** | |
| Available Reading | MP3/Audio CD/VCD/Photo CD/CD-R,RW/DVD-R,RW/DVD+R,RW,SVACD |
| **A/V & Data In/Out** | |
| Video | RCA/SCART Video Output(CVBS, RGB, S-Video) |
| Audio R/L | RCA/SCART Volume and Mute Control (Resolution: 20 bits DAC, MAX. 2Vrms) |
| S/PDIF | Digital Audio Output, Fiber-Optic(Resolution : 20 bits) |
| RS-232C | Transfer Rate:115,200 bps,3 pin Socket type |

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| Power Supply | |
|---|---|
| Input Voltage | 90~250V AC, 50/60Hz |
| Type | SMPS |
| Power Consumption | Max. 35W |
| Stand by Power | ≤ 5W |
| Protection | 1Separate Internal Fuse. |
| | The input should be protected against lighting |
| Physical Specification | |
| Size | 420mm X 75mm X 300 mm |
| Weight (Net) | Around 4.8Kg |
| Operating Temperature | 0 ℃ to +45 ℃ |
| Storage Temperature | -10 ℃ to +70 ℃ |

## Appendix4. Glossary

### Component Video (Y Pb Pr)

This method of transmitting pictures produces the highest quality as the video signal is split into its Y(brightness), U and V(red minus rightness, blue minus brightness )components. The signal can also be sent as interlaced or as progressive scan.

### Dolby Digital

Dolby Laboratories standard for transmitting 5.1 channels. Five full-value channels are transmitted in this acoustic playback system. A further channel is used for low frequencies(effects). The loudspeakers are arranged front left, front middle, rear left and rear right. This system is currently the most common system and is used in cinemas.

### DTS (Digital Theater Systems)

DTS are trademarks of Digital Theater Systems Inc.

Transmission standard for 5.1 channels from Digital Theater Systems Inc. This is the second most wide-spread after Dolby Digital.

### DVD (Digital Versatile Disc)

A new storage medium that combines the convenience of the compact disc with the latest digital video technology. DVD video uses modern MPEG2 data compression technology that enables an entire feature film to be stored on a single five inch disc.

### Programme Guide (Electronic Programme Guide, EPG)

A electronic programme 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.

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**MP3**

MP3 files are highly compressed music files. The data is compressed to 1/10 of the volume of the original audio material using a special process. This means that 10 hours of music can be stored on a single CD.

## 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.

## S/PDIF (Sony/Philips Digital Interface format)

Standard format for digital audio output. It outputs audio signals directly as digital audio signals without changing into analog signals because conversion into analog signals can degrade signal quality.

## S-Video

This is used to transmit the brightness signal(Y signal) and color signal(C signal) separately.

## Appendix5. 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 |

## 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)

**DVD Player + Dig**

Common Inter

HNDV1000T100GB