DVD Player + Digital Set-Top Box
DVD Player + Digitale Set-Top Box

Common Interface Standard

DV-1100S

User's Manual
Bedienungsanleitung

HUMAX
your prime time

Notice

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Thank you for purchasing a HUMAX Satellite receiver and Digital Video Disc. 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 instructions provided. For your safety, check what the result of 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.
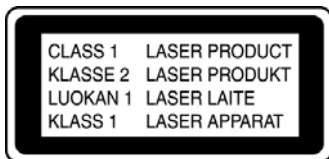

This symbol indicates **dangerous voltage** inside the product that presents a risk of electric shock or personal injury.

This symbol indicates important instructions accompanying the product.

Only for DVD player

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

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.

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**

3. Region code of the DVD player and DVDs

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 1   The U.S., U.S. territories and Canada

Region 2   **Europe**, Japan, Middle East, Egypt, South Africa, Greenland

Region 3   Taiwan, Korea, the Philippines, Indonesia, Hong Kong

Region 4   Mexico, South America, Central America, Australia, New Zealand, Pacific Islands, Caribbean

Region 5   Russia (former USSR), Eastern Europe, India, most of Africa, North Korea, Mongolia

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.

Safety and Warning

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

Safety Instructions and Precautions

1. **MAINS SUPPLY**

   90 - 250V AC 50/60Hz
   Operate this product only from the type of power supply indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your local power company. Disconnect the product from the mains before you start any maintenance or installation procedures.

2. **OVERLOADING**

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

3. **LIQUIDS**

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

4. **CLEANING**

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

5. **VENTILATION**

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

6. **ATTACHMENTS**

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

7. **CONNECTION TO THE SATELLITE DISH LNB**

   Disconnect the product from the mains before connecting or disconnecting the cable from the satellite dish. Failure to do so can damage the LNB

8. **CONNECTION TO THE TV**

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

9. **EARTHING**

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

10. LOCATION

Place the product 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 a TV or a VCR.
Do not block these openings with any object, and do not place the product on a bed, sofa, rug, or other similar surface.
If you place the product on a rack or bookcase, ensure that there is adequate ventilation and that you have followed the manufacturer's instructions for mounting.
Do not place the product on an unstable cart, stand, tripod, bracket, or table 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 antenna during a thunderstorm or when left unattended and unused for long periods of time. This will prevent damage to the unit due to lightning and power-surges.

12. EXTRANEOUS OBJECTS

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

13. REPLACEMENT of PARTS

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

Warning

1. Follow these directions in order not to damage the power cord or plug.
   Do not modify or process the power cord or plug arbitrarily.
   Do not bend or twist the power cord too much.
   Make sure to disconnect the power cord with the plug held.
   Keep heating appliances as far as possible from the power cord in order to prevent the cover vinyl from melting.
2. Follow these directions. Failure to follow one of them may cause electrical shock.
   Do not open the main body.
   Do not insert metals or inflammable objects inside the product.
   Do not touch the power plug with wet hands..
   Disconnect the power cord in case of lightning.
3. Do not use the product when it is out of order. If you continue to use the product when defective, 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

STB

Contents

1. Before Using the Receiver

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

1.1 Package Contents

Please check all package contents before using your product.
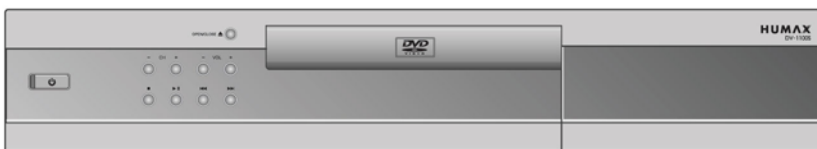
Remote Control Unit
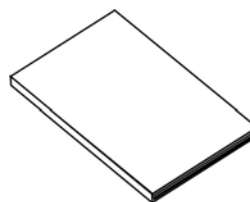
User's Manual
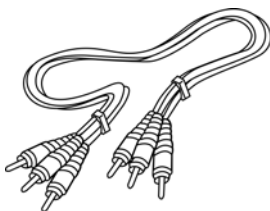
RCA A/V Cable
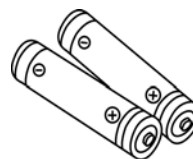
Batteries

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

1.2 Front Panel

1. **STANDBY Button** (◎)

    Switches between Operation and Standby modes.

2. **CH - / CH +**

    Moves the TV/Radio channel up/down.

3. **V - / V +**

    Adjust the audio volume.

4. (⊙) **Stop**

    Stop play a disc.

5. ▶ ❙❙ **Play / Pause**

    Start playback/Pause playback.

6. ❙◀◀ **Skip previous**

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

7. ▶▶❙ **Skip next**

    Skip to the next chapter/track.

8. **OPEN/CLOSE**

    Open and close the disc tray.

1. Before Using the Receiver

1.3 Rear Panel
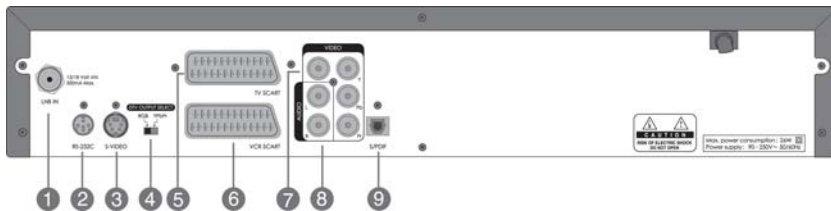
1. **LNB IN**

   Connects a satellite antenna cable.

2. **RS-232C**

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

3. **S-VIDEO**

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

4. **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.

5. **TV SCART**

   Connects a TV SCART cable.

6. **VCR SCART**

   Connects a VCR SCART cable.

7. **VIDEO**

   Connects to your TV or VCR and output Video signals.

8. **AUDIO L/R**

   Connects to your TV or VCR and output Audio signals.

9. **S/PDIF**

   Outputs the digital audio signals(S/PDIF).

1.4 Remote Control

STB RCU
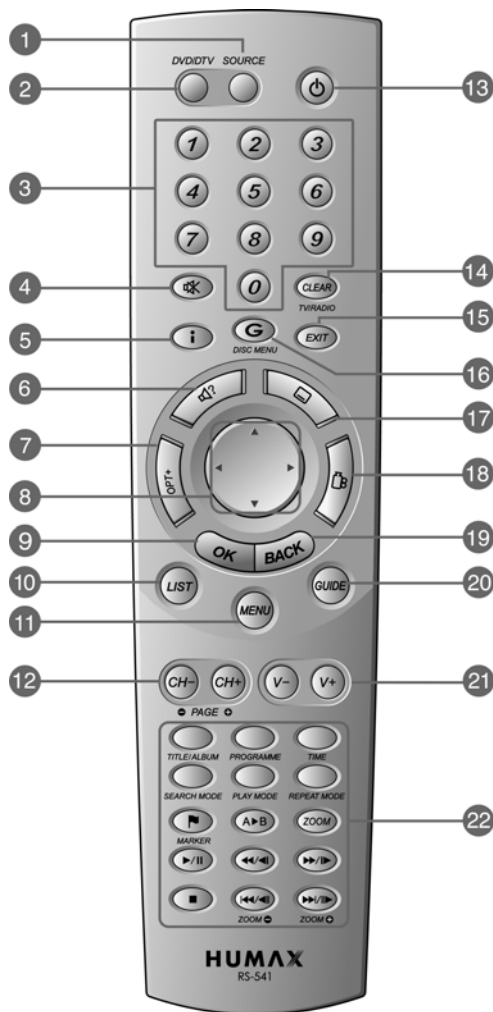
1. SOURCE	7. OPT+ (OPTION)	13. STANDBY	18. ANGLE
2. DVD/DTV	8. ARROW BUTTONS	14. TV/RADIO	19. BACK
3. NUMERICAL BUTTONS	9. OK	15. EXIT	20. GUIDE
4. MUTE	10. LIST	16. GAME	21. V-/V+
5. i (INFORMATION)	11. MENU	17. SUBTITLE	22. DVD FUNCTION BUTTONS
6. SOUNDTRACK	12. CH-/CH+ and PAGE-/PAGE+		

1. Before Using the Receiver

STB

1. **SOURCE**

   Selects the input source between TV and satellite receiver.

2. **DVD/DTV**

   Change mode between STB and DVD.

3. **NUMERICAL BUTTONS**

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

4. **MUTE**

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

5. **i (INFORMATION)**

   Displays the information about the channel and programme.

6. **SOUNDTRACK**

   Displays the Soundtrack.

7. **OPT+ (OPTION)**

   Displays the channel attributes during watching a programme.

8. **ARROW BUTTONS**

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

9. **OK**

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

10. **LIST**

    Displays the channel list in STB.

Note: This part explains STB function only.

11. **MENU**

    Displays the main menu in STB.

12. **CH-/CH+ and PAGE-/PAGE+**

    Changes the Channel or Page.

13. **STANDBY**

    Switches between Operation and Standby modes.

14. **TV/RADIO**

    Switches between TV and Radio modes.

15. **EXIT**

    Exits the main menu or Guide screen.

16. **GAME**

    Displays the Game.

17. **SUBTITLE**

    Changes the subtitle language in STB.

18. **ANGLE**

    Used in STB in case of multifeed.

19. **BACK**

    Returns to the previous menu and screen.

20. **GUIDE**

    Displays the Programme Guide.

21. **V-/V+**

    Adjusts the audio volume.

22. **DVD FUNCTION BUTTONS**

DVD RCU

1. SOURCE	6. OPT+ (OPTION)	11. PAGE-/PAGE+	16. SUBTITLE
2. DVD/DTV	7. ARROW BUTTONS	12. STANDBY	17. ANGLE
3. NUMERICAL BUTTONS	8. OK	13. CLEAR	18. BACK
4. i (INFORMATION)	9. LIST	14. EXIT	19. DVD FUNCTION BUTTONS
5. SOUNDTRACK	10. MENU	15. DISC MENU	20. PLAY CONTROL BUTTONS

1. Before Using the Receiver

DVD

1. **SOURCE**

   Selects the input source between TV and satellite receiver.

2. **DVD/DTV**

   Change mode between STB and DVD.

3. **NUMERICAL BUTTONS**

   Enters a menu option number.

4. **i (INFORMATION)**

   Displays the information about the channel and programme.

5. **SOUNDTRACK**

   Displays the Soundtrack.

6. **OPT+ (OPTION)**

   Select the listening mode.

7. **ARROW BUTTONS**

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

8. **OK**

   Selects a menu, or confirms the selected operation.

9. **LIST**

   Displays the playlist menu in DVD.

10. **MENU**

    Displays the setup menu in DVD.

11. **PAGE-/PAGE+**

    Changes the Page.

12. **STANDBY**

    Switches between Operation and Standby modes.

13. **CLEAR**

    Clear in DVD.

14. **EXIT**

    Exits the main menu or Guide screen.

15. **DISC MENU**

    Displays the main disc menu.

16. **SUBTITLE**

    Changes the subtitle language in DVD.

17. **ANGLE**

    Change angle in DVD.

18. **BACK**

    Returns to the previous menu and screen.

19. **DVD FUNCTION BUTTONS**

    TITLE/ALBUM
    Displays the title menu.
    PROGRAMME
    Edit playlist.
    TIME
    Change time display.
    SEARCH MODE
    Change search mode.
    PLAY MODE
    Change play mode.
    REPEAT MODE
    Change repeat mode.
    MARKER
    Mark any point in a DVD during playback.
    A ▶ B
    Repeat between A and B in DVD.
    ZOOM
    Enlarge the picture during DVD playback.

20. **PLAY CONTROL BUTTONS**

    (Play / Pause)
    Start playback/Pause playback.
    (Fast backward/Slow Motion)
    Fast backward a disc/execute a backward slow playback when playing a DVD.
    (Fast forward/Slow Motion)
    Fast forward a disc/execute a forward slow playback when playing a DVD.
    (Stop)
    Stop play a disc.
    (Skip previous)
    Return to the beginning of the current chapter/track or skip back to the previous chapter/track.
    (Frame by Frame)
    (Skip next)
    Skip to the next chapter/track.

Note: This part explains DVD function only.

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

This is the most simple set-up mode.
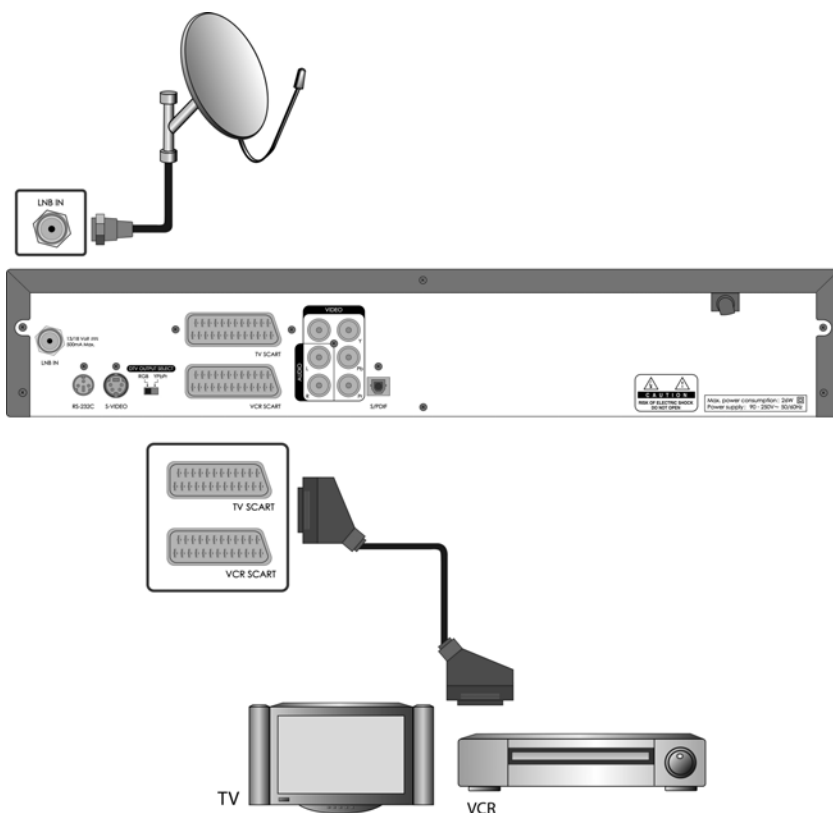
2. Setup

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)
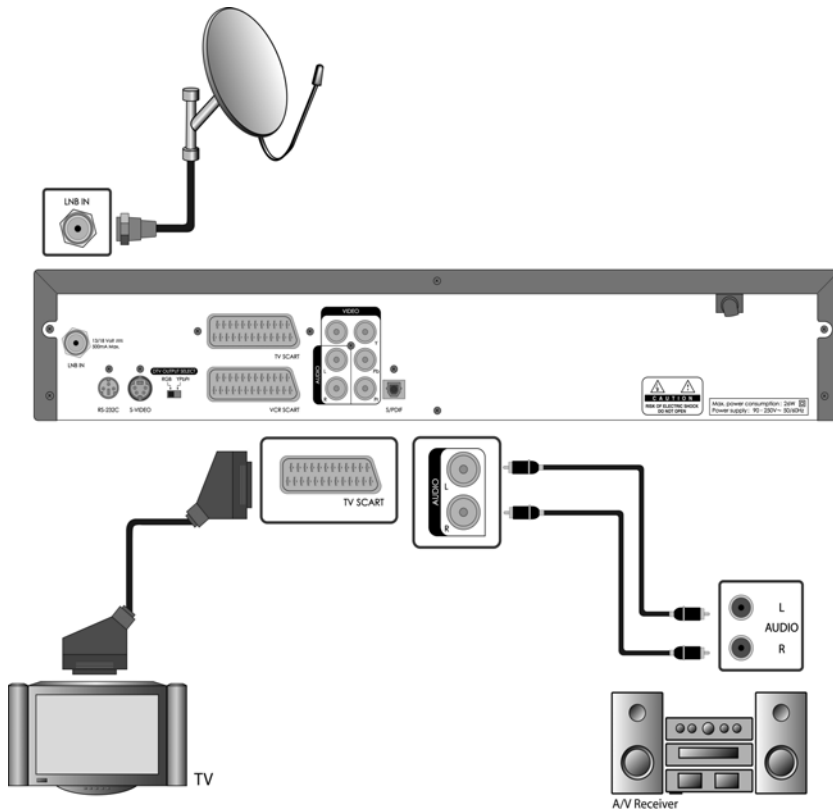
3. Connecting Hi-Fi system 2

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 following.

Front speaker(L)　　　A/V Receiver　　　Front speaker(R)

Surround speaker(L)　　Center speaker　Subwoper　　Surround speaker(R)
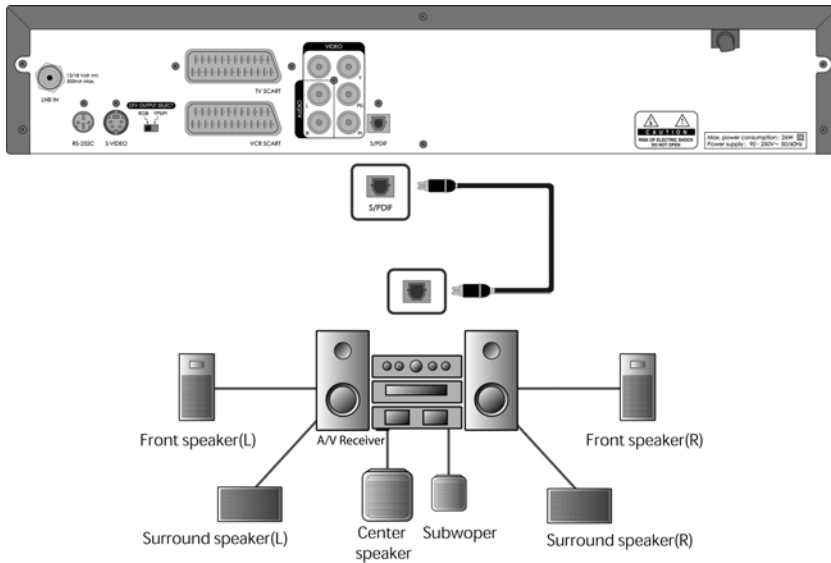
2. Setup

2.2 Connecting for DVD player

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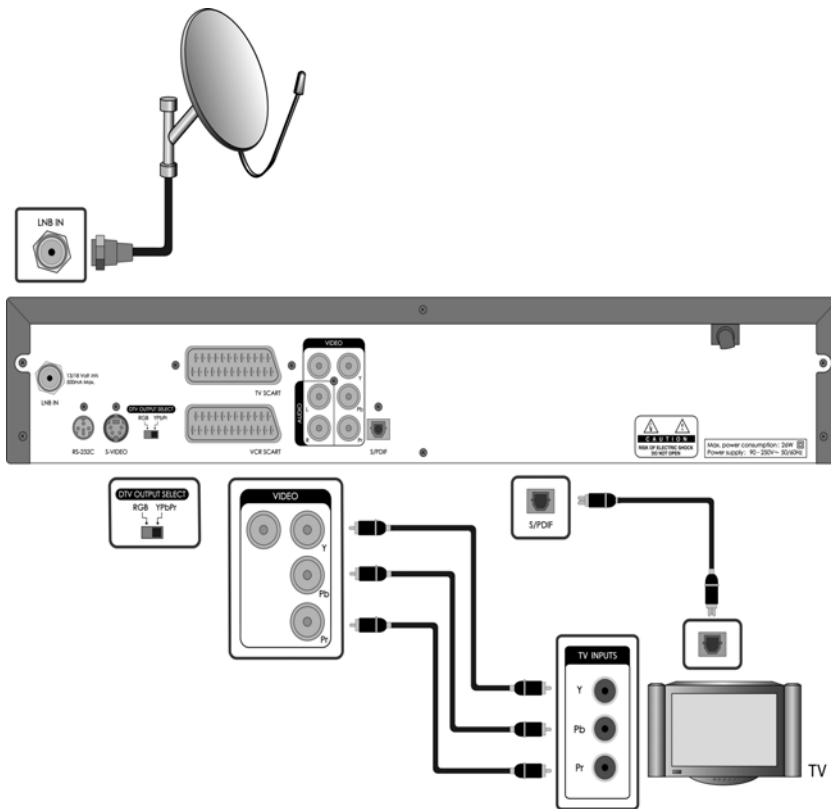
Note: the socket and connector color on the DVD player must match the color of the sockets on the TV set(Red-Red, Blue-Blue, Green-Green). If this is not the case, the colors on the screen may be distorted or the picture may not be visible.

2. Connection with S-Video cable

First, you set the *SCART Output* as S-Video in 5.4 .

If you enjoy the highest quality , connect to a TV with a 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.
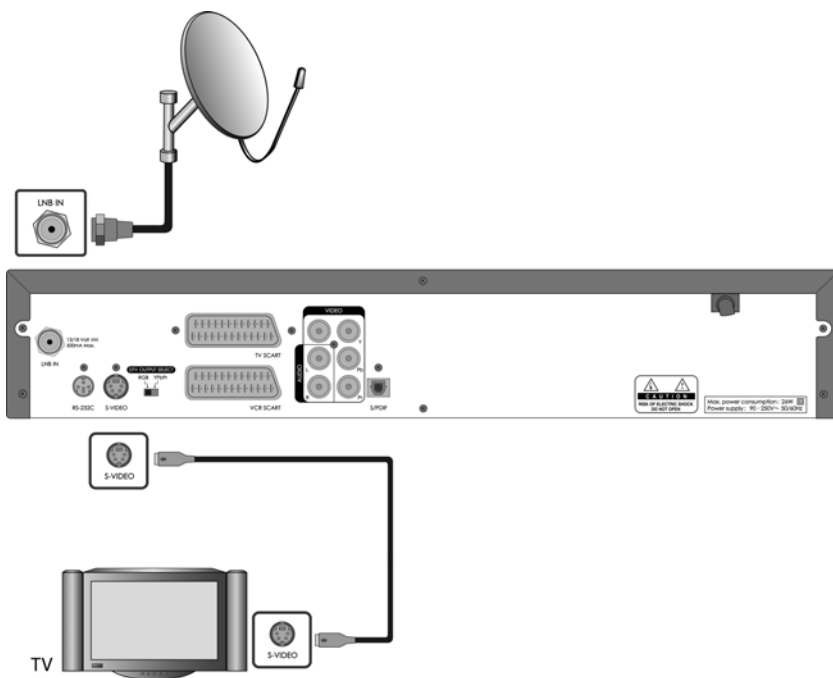
2. Setup

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.

Note:

- If you turn off at the STB mode, you will start at the STB mode when you turn on.
- If you turn off at the DVD mode, you will start at the DVD mode when you turn on.

3. Installation Wizard

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

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

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

3.1 Language

You can select Menu, Audio, and the subtitle language.

Select the appropriate language from the list using the ▲/▼ button and press the **OK** (⊛) button to save the selected language as a default language and move to the next step *Antenna Setting.*

3.2 Area Setting

You can select area.

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

3. Installation Wizard

3.3 Antenna Setting

You can set the antenna's properties to watch the programme.

1. Select the **Satellite** which the antenna points to. Press the **OK** (⊙) or ▶ button to display satellites list. Select satellite using the ▲/▼ button, and press the **OK** (⊙) button.

2. Set the **LNB Frequency.**
   Press the **OK** (⊙) or ▶ button to display LNB frequency list. Select LNB frequency using the ▲/▼ button, and press the **OK** (⊙) button.
   If you cannot find the LNB frequency value from the list, select **User Define,** manually enter the frequency using the **NUMERICAL** (0~9) button, and then press the **OK** (⊙) button.

Note: When using Universal LNB, select **Universal** for LNB Frequency which is 9750/10600(MHz). Also, if you select **Universal,** 22KHz tone value is disabled.

3. Set up **22kHz Tone.**
   Select **22kHz Tone** using the ▲/▼ button, and press the **OK** (⊙) or ▶ button to change the setting. When using 22kHz tone switch, select **Enable.** Otherwise, select **Disable.**

4. Select **DiSEqC Input** switch.
   Select **DiSEqC Input** using the ▲/▼ button, and press the **OK** (⊙) or ▶ button to display DiSEqC Switch List.
   Select DiSEqC Switch using the ▲/▼ button and then press the **OK** (⊙) button.

5. When you complete the setting, select **Next** using the ▲/▼ button and press the **OK** (⊙) button to start Automatic Search.
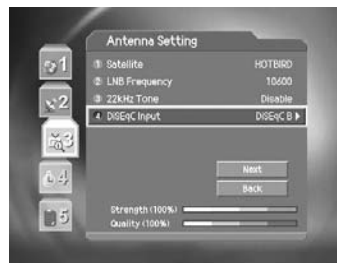
Note:

- If the antenna is correctly set up, the level at signal strength bar and quality bar, which are located at the bottom of the screen, are generally moved up.
- If you encounter any problems or questions when setting up the antenna, please contact your local product installer or distributor.

3.4 Automatic Search

You can automatically search for satellites according to the Antenna Setting.

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

If the Automatic Search is stopped or finished, the searched result is automatically saved and go to the next step.

3.5 Time Setting

You can set the current time.

Press the **OK** (⊚) or ▶ button to display the values for *GMT Offset.* Select the appropriate GMT Offset value using the ▲/▼ button and press the **OK** (⊚) button to set the current time. Check the current time at the bottom of the screen to see if it's correctly set up. Then select *Next* using the ▲/▼ button and press the **OK** (⊚) button to finish Installation Wizard.

Warning: Press the **EXIT** (⊚) button to save the previous input information and exit the Installation Wizard when running the Installation wizard. If you exit the Install Wizard without fully completing the setting procedures, you may not watch any broadcasting normally. In this case, you can use the *Menu - Installation - Antenna Setting* and *Channel Search* 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) to move to the channel directly.
3. Press the **TV/RADIO** (○) button to switch between TV channel and Radio channel.

   Note: You can switch channel using the channel list or programme guide. Please refer to Chapter 5 and 6 for more information.

4.2 Volume Control

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

Note:

- The mute function keeps enabled while you change the channel
- The DVD mode doesn't provide the volume control.

4.3 Motion Still

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

4.4 Change the Subtitle Language

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

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

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

4.5 Change 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.

Note:

- you can select your desired default audio language by selecting *MENU - Preferences - Language Setting - Audio Language.*
- If the programme is Dolby digital one, you cannot set the audio direction such as left, right, and stereo.
- If you select *Dolby* by selecting *MENU - Preferences - Language Setting - Audio Priority,* Dolby Digital programme is automatically broadcasted with Dolby digital audio without considering default audio language.

4.6 Program 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

The General Information is displayed as following on the screen.
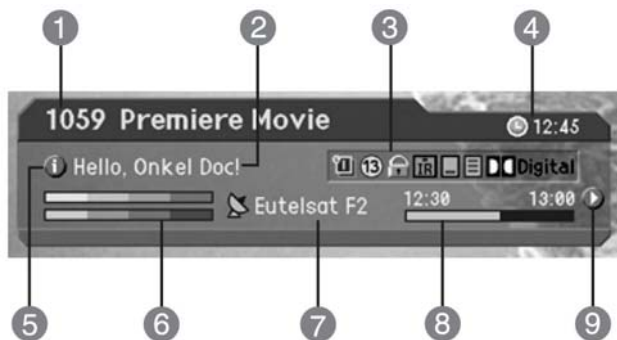
4. Basic Operation

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

📅	Displayed only if this programme is reserved.
⑬	Represents parental level. It indicates the minimum level of ages that the programme is targeted at.
🔒	Displayed only when the channel is a locked channel.
🗔	Displayed only when the channel is a scrambled channel.
▭	Displayed only when subtitle information is available.
☰	Displayed only when there is any teletext information.
□□Digital	Displayed only when the programme is a dolby digital one.

4. Current time
5. Detailed programme information: displayed if detailed programme information is provided.
6. Signal strength and signal quality: indicates signal level.
7. Satellite name or channel change mode: If you select *All channels* by selecting *MENU - Edit channels - Channel Change Mode,* the Satellite name, which the current channel is belonged to, is displayed; if you select *Within the current channel list,* the channel list, which you selected, is displayed.
8. Programme broadcasting time and progress bar: displays programme playing time and progress bar.
9. 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. Detailed 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 detailed programme information is more than one page, use ▲/▼ button to move to the previous or next page.

4.7 Option List

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

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

1. Add a channel to favourite group

You can add current channel 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 **OK** (⊙) or ▶ button.

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

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

4. Basic Operation

2. Lock/Unlock a Channel

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

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

4. Select *Unlock* option using the ▲/▼ button, and press the **OK** (◉) button.
5. You will be prompted to enter 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 your password using the **NUMERICAL** (0~9) button to delete the current channel.

4. Channel Information

You can display detailed information about the current channel while watching a programme.

1. Press the **OPT+** (◉) button.
2. Select Information using the ▲/▼ button to display channel information automatically.

The following information is displayed on the Information.

1st Line   Provider name

2nd Line   Satellite and CAS type

3rd Line   Transponder Information for the channel (Frequency, Polarisation, Symbol rate, FEC)

4th Line   Video PID, Audio PID ,PCR PID(Packet Identification)

5th Line   Service ID(SID), Network ID(NID)

5. Channel List

5 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.

Satellite The lists of channels classified by satellites.The number of subgroup is decided by the result of channel search.

Scramble The lists of channels classified by CAS types. The number of subgroup is decided by the result of channel search.

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

Note:

- If there are multiple channels, press the **PAGE-/PAGE+** (⊛/⊛) button to move by page.
- Whenever you press the **TV/ RADIO** (○) button while the channel list is displayed, the channel list will 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.

3. Press the **OK** (⊙) or ▶ button, select your desired subgroup using the ▲/▼ button, and then press the **OK** (⊙) button.
4. The channel list for the selected subgroup is displayed.

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

5.3 Edit Channels

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

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

5. Channel List

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 satellite 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. 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. You can select multiple channels.
3. Select *Lock* in the right using the ▶ button, and press the **OK** (ⓞⓚ) button.

Note:

- Only if all selected channels are locked, *Lock in Channel List* 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. Move Channels

You can move one or more channels into your desired location, which changes the channel number accordingly.

1. Move the cursor to the channel list using the ◀/▶ button.
2. Select your desired channel, and then press the **OK** (ⓞⓚ) button. You can select multiple channels.
3. Select *Move* in the right using the ▶ button, and press the **OK** (ⓞⓚ) button. Then the selected channel(s) disappears from the channel list for a while.

4. Move the cursor to the desired location in the channel list using the ▲/▼ button, and press the **OK** (ⓞⓚ) button.
5. The selected channel(s) is moved to the selected location in order.

Note: *Move* is available only for TV or radio channel list.

5. Channel List

5. Rename a Channel

You can change the channel name as you like.

1. Move the cursor to the channel list using the ◀/▶ button.
2. Select your desired channel, and then press the **OK** (⊛) button. You can select only one channel.
3. Select *Rename* in the right using the ▶ button, and then press the **OK** (⊛) button.

4. Enter a channel name directly using the keyboard displayed on the screen.
5. When finishing entering channel name, select *OK* , and press the **OK** (⊛) button.

6. 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.

5.4 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 button for each menu. Press the *MENU - 2 - 2* in order on the remote controller to select the *Edit Favourite Channels* menu.

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

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

5. Channel List

1. Add/Remove favourite channels

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

1. Select **Favourite Group** using 🖼 .

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

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

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

2. Move favourite channels

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

1. Select **Favourite Group** using 🖼 .

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

3. Select 🔲 , and press the **OK** (⊙) button.

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

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

3. Rename a favourite channel list

You can rename Favourite channel list.

1. Select **Favourite group** using 🖳 .
2. Select 🔳 , and press the **OK** (◉) button.
3. Enter the **Favourite channel list** name using the keyboard displayed on the screen.
4. When finishing entering the favourite channel list name, select **OK,** and press the **OK** (◉) button.

4. Additional Features

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

Change between TV and Radio channel list

You can add not only TV channel(s) but also Radio channel(s) to Favourite channel list.

Press 🖳 to switch 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.

5. Channel List

Sort a channel list

You can sort all TV or Radio channel list by channel number or name for easy Favourite channel searching.

If channel lists are sorted by channel number, ▨ is displayed. When you press this button, all the channel lists are sorted by name. Or, if channel lists are sorted by channel name, ▨ is switched into ▨ . Press this button to order channels by number

Unselect all the selected channels

Press ▨ button to unselect all the selected channel.

5.5 Channel Change Mode

You can change the channel either in the group or in the entire channels 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. To change the channel in another channel list in which the current channel list is not located, change the channel list group or select **All channels** option.

6. Program 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.

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 other desired channel using ▲/▼ 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 at 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 future programme.

5. Press the **i** (ⓘ) button in the selected programme to view *detailed information* for the selected programme.

1. Viewing Guide Information by Channel List 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.

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

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

6. Program Guide

2. Viewing Programme Information Using Time Bar

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

1. Press the **GUIDE** (⊜) button.
2. Press the **Green** button to display *Time Bar.*
3. Select the each 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 ♣ 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 a Recording

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 reservation has been completed, the 🔟 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.

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.

Note: If you select *Previous* or *Next* on the Keyboard displayed on the screen and press **OK** (⊙) button, the keyboard layout is switched.

4. When completing entering programme name, select the *Find,* and press the **OK** (⊙) button.
5. Select *By Genre* and press the **OK** (⊙) button to search programme by genre.
6. Select your desired genre and press the **OK** (⊙) button.

7. 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.

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

6.3 Viewing Reserved Programme

You can add or edit watching-reserved programme by schedule screen.

1. Press the **GUIDE** (⊜) button.
2. Press the **Yellow** button to display the *Schedule* screen.
3. Select the reserved programme and press the **OK** (⊛) button to edit the reservation information.
4. Select a blank list and press the **OK** (⊛) button to add a new watching schedule.
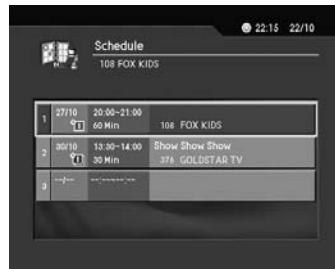
1. Change the reserved Start Time using the ◀/▶ button and the **NUMERICAL** (0~9) button.
2. Change the reserved End Time using the ◀/▶ button and the **NUMERICAL** (0~9) button.
3. Change the Repeat mode using the ◀/▶ button. The options are *Once, Daily,* and *Weekly.*
4. Change the Lock mode using the ◀/▶ button.

5. Select the *Delete* and press the **OK** (⊛) button to delete the reserved programme.
6. Select the *Cancel* and press the **OK** (⊛) button to cancel the editing.
7. Select the *Save* and press the **OK** (⊛) button to complete the editing.
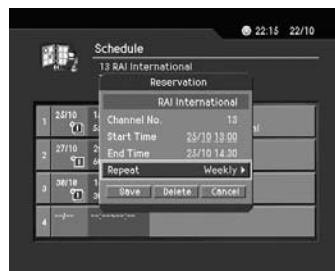
1. Enter your desired channel number using the **NUMERICAL** (0~9) button. The channel name is automatically displayed by channel number.
2. Enter your desired Start Time using the ◀/▶ button and the **NUMERICAL** (0~9) button.
3. Enter your desired End Time using the ◀/▶ button and the **NUMERICAL** (0~9) button.

4. Select one of *Repeat* mode options among *Once, Daily,* and *Weekly* using the ◀/▶ button.
5. Select *Lock* mode using the ◀/▶ button.
6. Select the *Save* and press the **OK** (⊛) button to complete entering.
7. Select the *Cancel* and press the **OK** (⊛) button to cancel the reservation.
8. If the channel is locked, restricted by watching time, you will be prompted to enter your Password to complete the reservation.

Note:

-   You can reserve up to 20 programmes.
-   If your desired programmed is already reserved programme, adjust the reservation appropriately.

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 (⊖) or **EXIT** (⊖) button to exit the Menu screen.
- You can easily select all menu items using the assigned numerical button for each menu.

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 under the age of 7.

12   Programmes are blocked under the age of 12.

15   Programmes are blocked under the age of 15.

18   Programmes are blocked under the age of 18.

Lock All   All Programmes are blocked without considering the age level.

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

2. Setting Allow Watch Time

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

1. Select the *Allow Time Control* using the ▲/▼ button.
2. Select Enable or Disable the *Allow Time Control* using the **OK** (⊛) or ▶ 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 buttons, and select *OK* and press the **OK** (⊛) button.
4. If you wish to cancel the entered time, select *Cancel,* and press the **OK** (⊛) button.

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

7. Setting Preferences

3. Change Password

You can change the 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.

7.2 Language Setting

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

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

1. Menu/Audio/Subtitle Language

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

1. Select *Menu/Audio/Subtitle Language* using the ▲/▼ button.
2. Press the **OK** (⊙) or ▶ button to display the available *Language List.*
3. Select your desired language using the ▲/▼ button, and press the **OK** (⊙) button.

2. Audio Priority

You can select the priority of audio.

1. Select *Audio Priority* using the ▲/▼ button.
2. Press the **OK** (⊚) or ▶ button to display the *Language* or *Dolby Digital* option.
3. Select your desired option and press the **OK** (⊚) button.

Language   You can watch programme in the selected language.

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

3. Subtitle Display

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

1. Select *Subtitle Display* using the ▲/▼ button.
2. Select your desired option using the **OK** (⊚) or ▶ button.

Auto   Subtitles are displayed automatically in the predefined subtitle language.

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

4. Subtitle Font

You can select the Subtitle font.

1. Select *Subtitle Font* using the ▲/▼ button.
2. Select your desired option using the **OK** (⊚) or ▶ button.

Variable   Uses the horizontally variable Subtitle Font.

Fixed   Uses the fixed Subtitle Font.

7. Setting Preferences

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.

2. Power On

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

Note: This is not available for the DVD play mode.

1. Select *Power On* using the ▲/▼ button.
2. Select either Enable or Disable the Power On using the ▶ or **OK** (⊛) button.

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

3. When you have seleted *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 **OK** (⊛) or ▶ 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* and press the **OK** (⊛) 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.

Note: This is not available for DVD play mode.

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 how to edit or add a reservation, refer to *Ch6 Programmem Guide.*

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

You can set TV SCART Output.

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

Note: If you select RGB during setting as YPbPr, you cannot set the TV-SCART.

2. VCR-SCART

You can set VCR SCART Output.

1. Select *VCR-SCART* **Disable/** 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 form *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 from *4:3* or *16:9* using the **OK** (⊛) or ▶ button.

5. Display Format

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

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

6. TV Standard

You can select the TV Standard: PAL or NTSC.

1. Select **TV Standard** using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.
2. Select one option among **Auto/PAL/NTSC** using the ▲/▼ button, and press the **OK** (⊙) button.

    Auto   The TV supports both PAL and NTSC.

    PAL   The TV supports only PAL.

    NTSC   The TV supports only NTSC.

7. NTSC Mode

If TV Standard is set to NTSC, set the following mode.

1. Select **NTSC Mode** using the ▲/▼ button.
2. Select one option from **3.58/4.43** using the **OK** (⊙) or ▶ button.

7.6 Miscellaneous Settings

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

7. Setting Preferences

1. i-Plate Display Time

You can set the duration during which the Information box is to be automatically 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 among Disable or 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 Channel List

You can set whether or not to display the scrambled icon in channel list.

1. Select the *Option in CH List* using the ▲/▼ button.
2. Select one option from *On/Off* using the ▶ or Disable/**OK** (◉) button.

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

8. Installation

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

8.1 Antenna Setting

You can set Antenna and LNB Information for channel search. If antenna is not correctly set, you cannot search channel, therefore, you cannot watch a programme, either.

1. Press the **MENU** (⊜) button.
2. Select **Installation** using the ▲/▼ button, and press the **OK** (⊚) or ▶ button.
3. Password is required to use Installation Menu. Enter Password to directly move to Installation Menu.
4. Select **Antenna Setting** using the ▲/▼ button, and press the **OK** (⊚) or ▶ button to enter Antenna Setting.

Note: If no satellite is registered from Antenna Setting menu, Channel Search such as **Automatic Search, Manual Search, Multiple Manual Search, Advanced Search** is not available.

Satellite

You can select satellite for Channel Search.

1. Select **Satellite** using the ▲/▼ button, and press the **OK** (⊚) or ▶ button
2. Select the satellite that is the antenna heads for from the alphabetically sorted satellite list using the ▲/▼ button, and press the **OK** (⊚) button.

3. If no desired satellite exists in the list, select User Define Satellite item. When you are prompted to select whether or not to edit User Define Satellite, select **Yes,** and press the **OK** (⊛) to display keyboard to edit the Name. Enter Satellite Name directly, select **OK,** and press the **OK** (⊛) button.

Satellite Alternative

You can search and watch a programme by using the antenna headed for the selected satellite.

1. Select **Satellite Alternative** using the ▲/▼ button, and press the **OK** (⊛) or ▶ button.
2. Then, you can change into one of the following options.

   Disable   Does not search the selected satellite.

   Enable   Searches the selected satellite.

Note: If there is no satellite that Satellite Alternative is set to **Enable,** Channel Search is not available.

LNB Frequency (MHz)

You can enter LNB Frequency.

1. Select **LNB Frequency** using the ▲/▼ button, and press the **OK** (⊛) or ▶ button.
2. Select one value from **Universal,9750,10600, 5150, 11475, User Define** using the ▲/▼ button. If you have selected **User Define,** enter LNB Frequency value directly, and press the **OK** (⊛) button.

Note: If you have selected **Universal,** select **9750/10600.** In this case, the **22kHz tone** value is **disabled.**

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22kHz Tone

You can select whether or not to use 22kHz Tone.

1. Select **22kHz Tone** using the ▲/▼ button.
2. Select whether or not to use 22kHz Tone using the **OK** (⊙) or ▶ button.

   Enable   Selects **Enable** if Dual LNB is used or 2 antennas are connected to the 22kHz tone switch box.

   Disable   Selects **Disable** if 22kHz Tone is not used.

DiSEqC Input

You can select DiSEqC switch.

1. Select **DiSEqC Input** using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.
   Select the **DiSEqC Swtich** using the ▲/▼ button, and press the **OK** (⊙) button.
   You can select one option among **Tone burst A~B, DiSEqC A~D, DiSEqC A~D for 2.0** and **Disable.**

LNB Voltage

You can raise the LNB Voltage value (select **high**) preparing for the distance between antenna and receiver is further than 60m.

 Caution: If your set the LNB Voltage value as **High** when the distance between antenna and receiver is close, the LNB may be damaged. Please be careful.

1. Select **LNB Voltage** using the ▲/▼ button.
2. Set the **LNB Voltage value** using the **OK** (⊙) or ▶ button.

   Standard   if the distance between antenna and receiver is within 60m

   High   if the distance between antenna and receiver is further than 60m

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3. If you change the setting value to *High,* a message will prompt you to confirm. Select *Yes* and press the **OK** (⊚) button. When the value is set to *High,* 1V higher than LNB voltage is supplied to LNB.

8.2 Automatic Search

If you select the satellite to search channel according to the Antenna Setting, you can automatically search the satellite without entering any other information. And You cannot watch any programme without searching channel.

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.

Satellite

You can select which satellite to search the channel.

1. Select *Satellite* using the ▲/▼ button, and press the **OK** (⊚) or ▶ button.
2. Select one of satellites using the ▲/▼ button, and press the **OK** (⊚) button.

Note: Channel Search is performed only for the satellites that have been set to *Enable* in *Antenna Setting - Satellite Alternative* menu. If you wish to search channels for satellites, which is not listed on the Satellite List of Automatic Search, move to Antenna Setting and set the Satellite Alternative item as *Enable.*

Search Type

You can set search type to search by free channel or CAS type.

1. Select **Search Type** using the ▲/▼ button, and press the **OK** (⊚) or ▶ button.
2. Select **All, FTA** or **CAS** using the ▲/▼ button, and press the **OK** (⊚) button.

All	Searches all channels.
FTA	Searches only free channels.
CAS	Searches channels for selected CAS.

Note: The CAS type is Viaccess, Nagravision, Cryptoworks, and so on.

Channel Type

You can search by TV or Radio channel.

1. Select **Channel Type** using the ▲/▼ button, and press the **OK** (⊚) or ▶ button.
2. Select one option among **All, TV** and **Radio** using the ▲/▼ button.

All	Searches all channels.
TV	Searches only TV Channel.Scrambled
Radio	Searches only Radio Channel.

Search

You can complete the setting and start searching.

1. Select **Search,** and press the **OK** (⊚) button to start Automatic Search.
2. During operating search, the cursor is located at **Stop.** Therefore, if you press the **OK** (⊚) button during searching, the operation is stop and the channels found until then will be displayed.
3. Even if search operation is completed, and the channel does not exist, press the **OK** (⊚) button and try to reset the search operation again if necessary.

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4. 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.

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

8.3 Manual Search

You can search channels of the selected satellites by transponders if you know the Transponder information.

1. Satellite

Selects a satellite to search from the satellites set in Antenna setting.

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

2. Select one of the Satellite names to search channel using the ▲/▼ button, press the **OK** (⊙) button.

Note: If the satellite scheduled to search channel is not exist in the Satellite list, move to Antenna Setting menu, set Antenna for the Satellite, and then try again.

2. Transponder

Sets transponder value for the satellite.

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

2. Select one value from the transponder value using the ▲/▼ button, and press the **OK** (⊙) button.

3. If you cannot find your desired Transponder information form the Transponder List, select **User Define,** and press the **OK** (⊙) button to change the Transponder information as follows.

- Enter Transponder frequency using the **NUMERICAL** (0~9) button.
- Select **Polarisation** and press the **OK** (⊙) or ▶ button to select one option among **Auto/Horizontal/Vertical.**

  Note: Horizontal outputs 18V, and Vertical outputs 13V through LNB line.

- Select **Symbol Rate (ks/s)** and press the **OK** (⊙) or ▶ button to select one Symbol Rate value from **27500/26000/22000.** If your desired value does not exist, select **User Define** to enter Symbol Rate value directly using the **NUMERICAL** (0~9) button.
- Select **FEC (Forward Error Correction)** option and press the **OK** (⊙) or ▶ button to select one option among **Auto, 1/2, 2/3, 3/4, 5/6, and 7/8.**
- When completing entering Transponder information, select **Done** and press the **OK** (⊙) button to finish entering User Define Transponder value.

Note:

- For channel transponder information, you can find your desired information from Satellite channel magazine, Satellite channel related home pages, news release and home page of broadcasting company, etc.
- If you have correctly completed setting the Transponder information, Strength bar and Quality bar should represent as High. If the Level is close to 0, please try to reset.

3. Network Search

If your desired transponder provides the information of other transponder, you can determine whether or not to search the channel for other transponder.

1. Select **Network Search** using the ▲/▼ button.
2. Select either **Enable** or **Disable** using the **OK** (⊙) or ▶ button. Select **Enable** to run Network Search.

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4. Search Type

You can determine whether or not to search channel by free or CAS type.

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

2. Select one option among **All, FTA** and **CAS** using the ▲/▼ button, and press the **OK** (◉) button.

   All   Searches all types of channel.

   FTA   Searches only Free Channel.

   CAS   Searches channels for selected CAS type.

5. Channel Type

You can search by TV or Radio Channel.

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

2. Select one option among **All, TV** and **Radio** using the ▲/▼ button.

   All   Searches all channels.

   TV   Searches only TV Channel.

   Radio   Searches only Radio Channel.

6. Search

You can complete the setting and start searching.

1. Select **Search** and press the **OK** (◉) button to start Manual Search.
2. The next procedures are the same as those of Automatic Search. Please refer to Automatic Search.

8.4 Other Search

You can directly enter the Packet ID value or find how to search channel using SMATV. And you can search channel for several transponders at one time.

1. Press the **MENU** (⊜) button to run *Menu.*
2. Select *Installation* using the ▲/▼ button, and press the **OK** (⊛) or ▶ button.
3. Select Other Search, and press the **OK** (⊛) or ▶ button. Press the **BACK** (⊜) or ◀ button to return to the previous menu.

1. Advanced Search

You can find your desired channel by entering Video, Audio and PCR Packet ID directly In Other Search Menu, select *Advanced Search* using the ▲/▼ button, and press the **OK** (⊛) or ▶ button to start Advanced Search.

Satellite, Transponder

The setting for satellite and transponder is the same as that of Manual Search. Refer to the satellite and transponder setting for Manual Search.

Video PID, Audio PID, PCR PID

You can enter the PID value for specific channel.

1. Select the *PID* to set using the ▲/▼ button, and press the **OK** (⊛) or ▶ button.

Video PID	Enter the Video PID value.
Audio PID	Enter the Audio PID value.
PCR PID	Enter the PCR PID value.

2. Set *PID value.*

Auto	Search PID value automatically.
Hexadecimal	Enter PID value in Hexadecimal numeric.
Decimal	Enter PID value in Decimal .

3. When you have select *Hexadecimal* or *Decimal,* enter PID value directly using Keyboard.
4. When completing entering PID value, select *OK,* and press the **OK** (⊛) button.

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Search

You can complete setting and start searching.

1. Select *Search* and press the **OK** (⊛) button to start Advanced Search.
2. The next procedures are the same as those of Automatic Search. Please refer to Automatic Search.

2. SMATV Search

If your receiver uses the antenna for common use, operate SMATV Search. For SMATV Search, Channel Search is performed by the antenna for common use regardless of the setting value in Antenna Setting.

Select *SMATV Search* in Other Search Menu using the ▲/▼ button, and press the **OK** (⊛) or ▶ button.

Frequency

1. Select *Frequency* using the ▲/▼ button, and press the **OK** (⊛) or ▶ button.
2. Enter the down converted frequency through common LNB. You can enter the frequency between 950 and 2150 MHz.

Polarisation

1. Select *Polarisation* using the ▲/▼ button, and press the **OK** (⊛) or ▶ button.
2. Select one from *Disable/Auto/Horizontal/Vertical* and press the **OK** (⊛) button.

   Note: Horizontal outputs 18V, and Vertical outputs 13V through LNB line. Select Disable when LNB Power is not necessary.

Symbol Rate

1. Select **Symbol Rate** using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.
2. Select the symbol rate of the transponder.
   If the rate does not exist in the list, select **User Define** and enter the value directly.

FEC

1. Select **FEC** using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.
2. Select one option among **Auto,1/2,2/3,3/4,5/6,7/8,** and press the **OK** (⊙) button.

Search

You can complete setting and start searching.

1. Select **Search** and press the **OK** (⊙) button to start SMATV Search.
2. The next procedures are the same as those of Automatic Search. Please refer to Automatic Search.

3. Multiple Manual Search

If you wish to search multiple transponder at the same time, you can run Multiple Manual Search. This function is useful when repeating Manual Search.

1. Select **Multiple Manual Search** from Other Search Menu using the ▲/▼ button, press the **OK** (⊙) or ▶ button to enable the Multiple Manual Search.
2. Select one option among **Satellite, TP List Edit, Search Type, Channel Type** using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.
3. Set the selected item.

Note: Settings for Satellite, Search Type, and Channel Type is the same as those of Manual Search. Refer to Manual Search.

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Transponder List Edit

You can edit TP list to search at a time and change the setting for Transponder.

1. Select *Transponder List Edit* from *Multiple Manual Search,* and press the **OK** (⊛) or ▶ button.

2. Select *Add* and press the **OK** (⊛) button to add a new Transponder data.

3. Select a specific transponder from the *transponder list,* press the **OK** (⊛) button, select *Edit,* and then press the **OK** (⊛) button to edit Transponder data.

4. Select a specific transponder from the *transponder list,* press the **OK** (⊛) button, select *Delete,* and then press the **OK** (⊛) button to delete Transponder data. You can select multiple transponders to delete.

5. When completing configuring *transponder list,* select *Save* and press the **OK** (⊛) button to save the result and exit.

Note: When you select *Default List* and press **OK** (⊛), default transponder list is displayed.

8.5 Motor Antenna

If you use Motor Antenna, which is operated by motor, you should set the antenna as Motor before Channel Search.

1. Press the **MENU** (⊜) button.

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

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

4. Press the **OPT+** (⊜) button on the *Antenna Setting* screen to switch into *Motor Antenna Menu.*

1. Motor Type

You should set the Motor Type before Motor Antenna Setting.

1. Select **Motor Type** from Motor Antenna, and press the **OK** (⊚) or
    ▶ button.
2. Set LNB Frequency.

    *   Select **LNB Frequency** using the ▲/▼ button, and press the
        OK (⊚) or ▶ button.
    *   Select one value among LNB frequency list. If desired LNB
        frequency is not in the list, enter **LNB Frequency value** using
        the **NUMERICAL** (0~9) button after selecting **User Define.**
    *   When completing entering LNB Frequency, press the **OK** (⊚)
        button.

3. Set LNB Voltage
    Refer to **Installaion - Antenna Setting - LNB Voltage.** The
    distance between antenna and receiver is 30m instead of 60m.
4. Select **Motor Kind** using the ▲/▼ button, and press the **OK** (⊚) or
    ▶ button to select Motor Type.

DiSEqC 1.2	General Motor Antenna using DiSEqC 1.2.
USALS	Motor Antenna using USALS

5. Set My Longitude.

    *   Select **My Longitude** using the ▲/▼ button, and press the
        OK (⊚) or ▶ button.
    *   Enter **Longitude value** using the **NUMERICAL** (0~9) button.
    *   Set **East/West** using the ◀/▶ button.
    *   When completing setting, press the **OK** (⊚) button.

6. Set My Latitude.

    *   Select **My Latitude** using the ▲/▼ button, and press the **OK**
        (⊚) or ▶ button.
    *   Enter **Latitude value** using the **NUMERICAL** (0~9) button.
    *   Set **North/South** using the ◀/▶ button.
    *   When completing setting, press the **OK** (⊚) button.
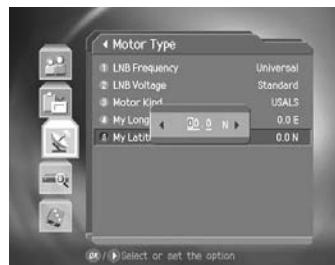
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2. Edit Satellite Data

You can set the position of the Satellite, which the Motor Antenna heads for, and decide whether or not to use the satellite.

1. Select *Edit Satellite Data* from *Motor Antenna Menu* using the ▲/▼ button.
2. Move to Edit Satellite Data by pressing the **OK** (⊛) button.
3. Select *Satellite* using the ▲/▼ button, and press the **OK** (⊛) button.
4. Select a satellite to edit, and press the **OK** (⊛) button.
5. Select *Satellite Alternative* using the ▲/▼ button and press the **OK** (⊛) button to decide whether or not to use the selected Satellite.

    Enable   Channel Search is available.

    Disable   Currently selected Satellite is regarded as out of existence. Channel Search is unavailable.

6. Select *Satellite Longitude* using the ▲/▼ button, and press the **OK** (⊛) button.
7. Enter the Longitude value for Satellite using the **NUMERICAL** (0~9) button. Change East/West value using the ◀/▶ button.

Note: *Satellite Longitude* item is able to edit only for *User Define Satellite.*

3. Motor Setting

You can set Motor Antenna for Channel Search and watching.

1. Select **Motor Setting** from **Motor Antenna** using the ▲/▼ button, and press the **OK** (◉) or ▶ button.

2. Select Satellite.

   • Select **Satellite** using the ▲/▼ button, and press the **OK** (◉) or ▶ button.

   • Select the satellite which the Antenna heads for.

   • Press the **OK** (◉) button.

3. Select **transponder** using the ▲/▼ button, and press the **OK** (◉) or ▶ button.

4. Set Motor Driving.

   • Select **Driving Mode** using the ▲/▼ button, and press the **OK** (◉) or ▶ button.

   • Select **Driving Mode Type,** and press the **OK** (◉) button.

Continuous	Motor moves continuously
Step	Motor moves by specified unit.
Time	Motor moves during specified time.

   • Adjust **Driving Size** using the ◀/▶ button in case of Step or Time.

Step	by Impulse
Time	by Second

   • Select (◉) , and press the **OK** (◉) button.

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5. Move the Antenna to the position of the selected Satellite.

    *   Select *Go to Stored Position* using the ▲/▼ button.
    *   Press the **OK** (◉) button to move Antenna to the position of the Satellite. Please wait during the Antenna is moving.

6. Confirm Signal Strength and Quality Level and fine-tune the Antenna direction.

    *   Select *Go to Stored Position* using the ▲/▼ button.
    *   Move the Antenna to East/West by pressing ◀/▶ button. Adjust *Signal Level* to maximum/

7. Save the adjusted position of Satellite.

    *   Select *Store Current Position* using the ▲/▼ button.
    *   Press the **OK** (◉) button to save the Antenna position headed for the selected Satellite.

8. You can set antenna position by satellite by repeating the above procedure.

9. You can recalculate positions for all other satellite based on one satellite. Adjust position of antenna by satellite based on one set position without setting each position of antenna by satellite.

    *   Select *Recalculate* using the ▲/▼ button.
    *   Press the **OK** (◉) button.
    *   To adjust all positions again, select *Yes* and press the **OK** (◉) button.

Note: You cannot perform 6 ~ 9 steps in case of USALS Motor.

You can set default setting and operation limit for Motor Antenna.

   1. Select ***Installer Menu*** from ***Motor Antenna Menu*** using the ▲/▼ button.

   2. Press the **OK** (⊚) button to move to Installer Menu.

Motor Limit Setting

You can set the maximum Motor Limit both East and West to prevent damage to the antenna.

   1. Select ***Motor Limit*** using the ▲/▼ button.

   2. Set Motor Limit to ***Disable*** by pressing the **OK** (⊚) or ▶ button.

Enable	Motor Limit is already set. Motor does not move more than the amount of limit.
Disable	Motor Limit is disabled. Setting is released.

  Note: When newly setting Motor Limit, set the value to ***Disable.***

   3. Select ***Limit Position*** using the ▲/▼ button.

   4. Select the ***Direction of Limit*** by pressing the **OK** (⊚) or ▶ button.

East	Motor sets East limit to move.
West	Motor sets West limit to move.

   5. Select ***Set Limit*** using the ▲/▼ button.

   6. Move antenna to the ***limit position*** to set using ▶ or ◀ button.

   7. Press the **OK** (⊚) button to set limit.

   8. If limit is set, ***Motor Limit*** option is automatically changed into ***Enable.***

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Reset Position

You can restore the position saved at Motor Antenna to the default setting.

1. Select *Reset Positions* using the ▲/▼ button.
2. Press the **OK** (⊙) button.
3. Select *Yes* and press the **OK** (⊙) button to restore all saved value at Motor Antenna to the default setting.
4. Please wait during the Motor Antenna is restored.

Note: Motor Antenna may not be reset depending on Antenna condition. In this case, please repeat the above procedure again.

8.6 Default Setting

Default Setting restores the receiver to the default settings

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

To perform Factory Default:

1. Press the **MENU** (⊙) button.
2. Select *Installation* using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.
3. Enter *password* using the **NUMERICAL** (0~9) button.
4. Select *Default Setting* using the ▲/▼ button, press the **OK** (⊙) or ▶ button.
5. Select *Yes* and press the **OK** (⊙) button to restore all setting to Factory Default.
   Select *No* and press the **OK** (⊙) or **BACK** (⊙) button to return to the previous menu.

6. Confirm again to start loading default setting. Enter *password* using the **NUMERICAL** (0~9) button to perform restoring.

7. When completing the default setting, press the **OK** (⊚) button to automatically run the *Installation Wizard.*
    When default setting is completed, Installation Wizard is automatically displayed, which helps Channel Search. For detailed information about Installation Wizard, refer to *3. Installation Wizard.*

9. Software Update

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

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

 Warning: During update, the DVD software is also updated. If the right DVD software set, the DVD player can play rightly.

9.1 OTA (Over the Air)

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

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

1. The equipment should have appropriate loader software.

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

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

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

4. 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 update later.

Caution:

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

Note:

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

1. If new software is found when powering on

- A message will be displayed to notify that new software is found.
- Select *Yes* and press the **OK** (⊚) button to update the software.
- Starts downloading new software. Please wait until the updated is completed.
- 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) button.
4. Select *Update* using the ▲/▼ button, and press the **OK** (⊚) or ▶ button.

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

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

4. If using Automatic Update

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

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

9. Software Update

2. Automatically search for new software.

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

4. Select **Yes** and press the **OK** (⊙) button to start updating. Select **No** and press the **OK** (⊙) button to return to the previous menu without updating.
When completing the software update, the product is automatically powered off and on again.

Note: Software Update Sites of HUMAX are listed in the following table.

Satellite	Transponder data
Astra1	12669 (V) 22000 5/6
Sirius	12054 (V) 27500 3/4
Hispasat	11811 (H) 27500 3/4
Nilesat	11765 (H) 27500 3/4
Hotbird	12475 (H) 27500 3/4

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.

Manual Update

You can perform Manual Update only if you know which satellite has new software and the Transponder information correctly.

1. Select *Manual* Update from *Update* screen using the ▲/▼ button, and press the **OK** (⊛) or ▶ button.
   Select the the Satellite which provides update software. Satellite list contains the satellites that have been set to Enable in Installation - Antenna Setting - Satellite Alternative menu. For unlisted satellite, start with Antenna Setting.

2. Enter Transponder Frequency in which updated software is provided.

3. Enter *Polarisation value.*

4. Select *Symbol Rate value.* If it is not found in the List, select User Define and enter manually.

5. Select *FEC value.*

Note: How to setting Satellite and Transponder for Manual Update Sites is the same as how to edit User Define Transponder data in Manual Search. Refer to Manual Search.

6. Select *Search* and Press the **OK** (⊛) button to search software.

7. 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.

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

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

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

9. Software Update

9.2 Software 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.Software

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 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.
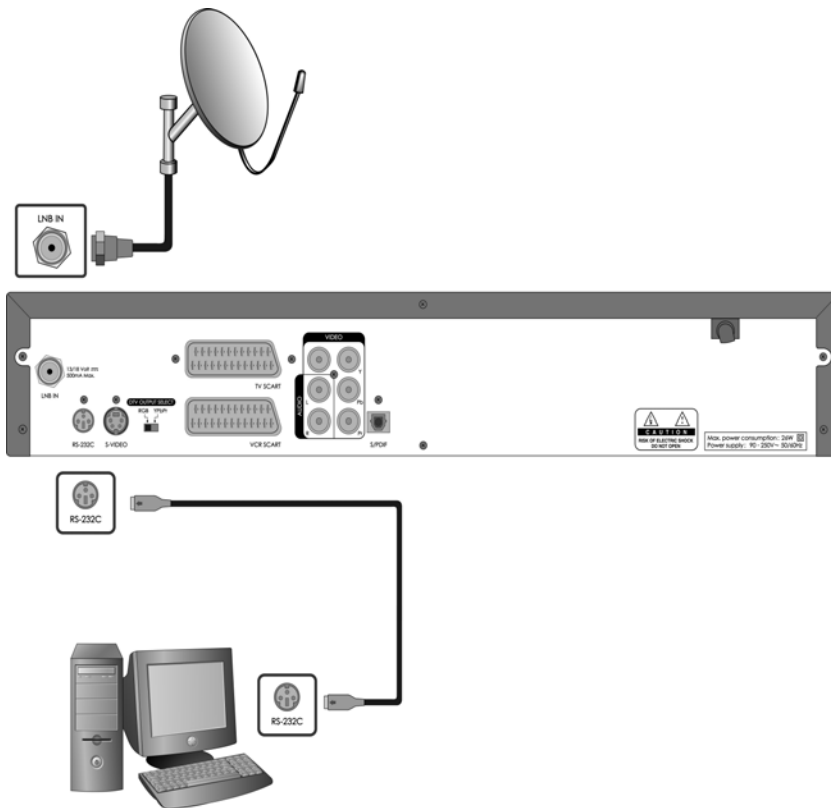
10. System Information

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

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

10.1 Status

You can view System information

1. Select *Status* using the ▲/▼ button, and press the **OK** (⊛) or ▶ button.
2. Confirm the information about *Hardware version, Software version, Loader version, System ID, Update Date, Slot1, 2.*

10.2 Signal Detection

You can view the signal strength and signal quality receiving from satellite via your satellite dish.

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

10.3 Common Interface

You can view the current status of CI module.

1. Select **Common Interface** using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.
2. Select **each Slot** using the ▲/▼ button, and press the **OK** (⊙) or ▶ button.
3. If Common Interface is available, you can view information about each Slot.

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

11. Games

This product provides various games for user's entertainment.

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

DVD Player

1. Getting Started

Loading a Disc

You can enable your DVD player by pressing the *DVD/STB* button while watching a satellite channel.

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 recognising a 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	Marking
(A▶B)	A-B repeat
(ZOOM)	Zoom on/off
(▶/II)	Play / Pause
(◀◀/◀II)	Fast backward/ Slow motion
(▶▶/II▶)	Fast forward/Slow motion
(■)	Stop
(I◀◀/◀II)	Skip previous /Frame by frame
(▶▶I/II▶)	Skip next / Frame by frame

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.
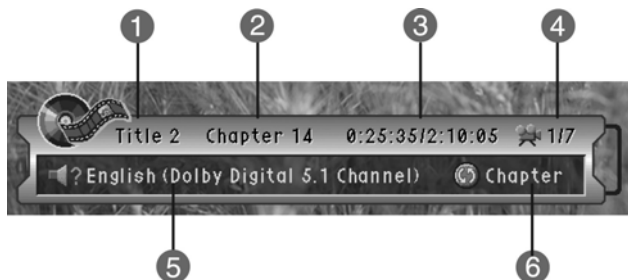
1. Title No.: Displays the title number.
2. Chapter No.: Displays the chapter number.
3. Play Time Information: Displays full playing time and currently playing time of the Disc or chapter. Time display format can be changed by the **TIME** button.
4. Angle: Displays total number of angles and the number 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 MODE** 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 MODE** 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** (⊚) button to immediately move to the beginning of a selected chapter or title.
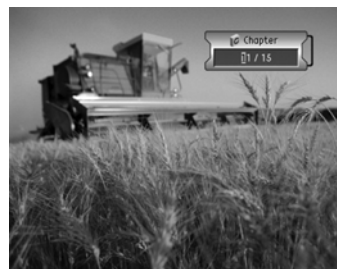
2. Time

1. Press the **SEARCH MODE** 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 MODE** 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.
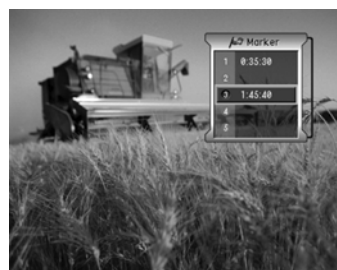
Note:

- 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.
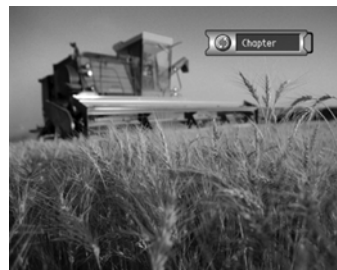
2. Playing a DVD-VIDEO Disc

2.6 Repeat a section of disc

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

1. Press the (⊕) button while playing a disc to set the repeat point to A.
2. Press the (⊕) 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 (⊕) button to release the setting.
    If the **A ▶ B** setting is not displayed on the screen, press the (⊕) button to display the screen setting, and then press the (⊕) 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.

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** (ZOOM) button to zoom in or out. Press the **ZOOM** (ZOOM) button to turn On. Press the **ZOOM** (ZOOM) button to turn Off.
2. Press the **ZOOM+** (⏩) or **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.

3. Playing a Audio CD

Audio CDs contain music tracks. You can recognise an Audio CD by the logo. You can use your stereo system to listen to music.

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.

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	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 MODE** button to change search mode.

1. Track

1. Press the **SEARCH MODE** 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.

2. Time

1. Press the **SEARCH MODE** 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 MODE** button repeatedly to select a Marker.
2. Select your desired marker from Marker list using the ▲ or ▼ 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** (CLEAR) button to delete the mark.

3. Playing a Audio CD

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 (⊙) button repeatedly to select your desired listening mode.

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

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.

3.8 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. Playing a Audio CD

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.

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.

4. Settings (DVD part)

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.

4.1 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.

Player Menus	Set the OSD(on screen information display) language of the DVD player.
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.
>
> **Compressed**   you can set the dynamic range to compressed.

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 *Composite/S-Video/RGB* using the ▲/▼ button, and press the **OK** (⊛) button.

Composite/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.

4. Settings (DVD part)

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.

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. Settings (DVD part)

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.
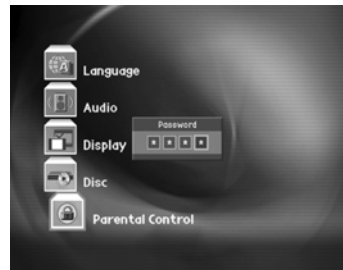
You can set the Country.

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.

4. Settings (DVD part)

3. Change 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

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 Antenna Setting
- 2 Automatic Search
- 3 Manual Search
- 4 Other Search
- 5 Update
- 6 Default Setting

System
- 1 Status
- 2 Signal Detection
- 3 Common Interface

Games

DVD

Language	
	1 Player Menus
	2 Disc Menus
	3 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.
   - Make sure that Antenna Setting is correct.
   - 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.
   - Keep the product and the antenna cable for satellite far away from each other.
   - Make sure the receiving level, and adjust antenna if the level is low. The receiving level cad be influenced by weather.

   Note: If the Antenna is covered with snow or the signal is weaken by heavy rain, sound and picture may temporarily be poor. However, these poor sound and picture quality because of weather conditions cannot be not accepted as a malfunction of equipment.

   - Change satellite dish into bigger one if satellite dish is small.
   - Replace LNB with the one with low nise factor if the noise factor is high.
   - Replace LNB with new one if it is damaged or out of order.

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.
   - 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. Watching scrambled channel is not available
   - Check the correct Smart Card is plugged in.
   - Check the correct smart card is plugged in, and correctly plug the smart card again.
   - Check whether the Smart Card is damaged.

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)

Appendix 3. Specification

Error Message (STB only)

Error message	Possible causes	What to do
No or bad signal	The satellite dish is not pointing at the satellite.	Adjust dish.
	Signal too weak.	Increase the LNB voltage or connect a signal amplifier.
	Satellite dish is too small.	Change to a large dish.
	LNB is faulty.	Change the LNB.
	Wrong antenna setting.	Set the antenna correctly
The channel is not available.	The channel has signal, but no audio or video.	Confirm if the channel is currently on air
	The channel is not deleted by broadcasting company.	
	The channel is for data broadcasting.	(Cannot watch the channel in usual way.)
	Smart Card is not plugged in.	Plug in Smart Card.
	The Smart Card is not correct.	Plug in suitable Smart Card.
	Smart Card is not correctly plugged in.	Pull out the Smart Card, and plug it in again.
	Smart Card is broken.	Replace the Smart Card.
The audio is not available.	The channel has signal, but no Audio.	Press the Audio button to confirm if the channel has Audio.
CI module is not installed.	CI module is not installed.	Install CI module.
	CI module is not correctly inserted.	Reinstall CI module.
	CI module is not recognized.	Install other CI module to check if the exiting CI module has problem. If the existing CI has no problem, contact local distributor of the equipment.
Invalid CI module	CI model is not correct.	Install correct CI module.
	CI module is not correctly inserted.	Pull out the CI module and plug it in again.
	CI module is broken.	Replace CI module.
LNB short	LNB cable is shorten.	Replace LNB Cable.
	LNB is internally shorten.	Replace LNB.
	LNB In Port is inserted by alien substance or damaged.	Remove the alien substance and contact local service center if it is damaged.

Appendix 3. Specification

Tuner & Channel	
Input Connector	F-type, IEC-169-24, Female
Frequency Range	950MHz to 2150MHz
Signal Level	-10 to -93dBm
LNB Power & Polarisation	Vertical: +13.5V (+14.5V at high voltage) Horizontal: +18V (+19V at high voltage) Current: 500mA Max. Overload Protection
22kHz Tone	Frequency: 22±4kHz Amplitude: 0.6±0.2V
DiSEqC Control	Version 1.0 Compatible, USALS
Demodulation	QPSK
Input Symbol Rate	1~45 Ms/s
FEC mode	Convolutional Code Rate 1/2, 2/3, 3/4, 5/6 and 7/8 with Constraint Length K=7
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
Aspect 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	4M byte
Graphic (MPEG) & System DRAM	16M byte
EEPROM	16K byte
Available Disc(DVD)	
Available Reading	MP3/Audio CD/VCD/CD/CD-R, RW/DVD-R, RW/DVD+R, RW, SVACD

Appendix 3. Specification

A/V & Data In/Out	
Video	RCA/SCART Video Output(CVBS, RGB, YPbPr)
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
Power Supply	
Input Voltage	90~250V AC, 50/60Hz
Type	SMPS
Power Consumption	Max. 40W
Stand by Power	≤ 4W
Protection	Separate Internal Fuse. The input should be protected against lighting
Physical Specifications	
Size	420 * 75 * 300 mm
Weight (Net)	Around 4.8Kg
Operating Temp	0 ℃ to + 45 ℃
Storage Humidity	-10% ~ 70% RH(Non-Condensing)

Appendix4. Glossary

DiSEqC (Digital Satellite Equipment Control)

A standard through which it is possible to let a DiSEqC compatible receiver send a signal over the RF cable to a switching device to switch between different LNBs or dishes. The DiSEqC uses the 22KHx signal to control the switching device.

Component Video (Y Cb Cr)

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.

Appendix4. Glossary

Hi-Fi (High Fidelity)

The characteristics of audio devices that can play back all the audio frequencies of the human, which is the range of 16Hz~20KHz, uniformly from the low frequency to high frequency.

LNB (Low Noise Block)

An electronic unit mounted on the satellite dish. It receives the signals reflected by the dish and converts them to signals that can be used by this product.

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.

Transponder

An automatic device that receives amplifies and retransmits a signal on a different frequency.

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

Appendix5. Service and Support

Call Center

HUMAX Middle East Call Center (Dubai, UAE)

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

HUMAX Hotline (Germany)

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

HUMAX BTCI Hotline (Premiere Model)

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

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

HNDV1100S.100GB/DE