

Digital Terrestrial Receiver

FREE-TO-AIR

F2-1010T

User's Manual



HUMAX
your prime time

Notice

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

Notice

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

Warnings, Cautions and Notes

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

- **Warning**

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

- **Caution**

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

- **Note**

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



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



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



This symbol indicates important instructions accompanying the product.

Safety and Warning

This digital terrestrial receiver has been manufactured to satisfy international safety standards. Please read the following safety precautions carefully.

Safety Instructions and Precautions

1. MAINS SUPPLY

AC 100 ~ 240V 50/60Hz Max 1.0A

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

4. CLEANING

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

5. VENTILATION

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

6. ATTACHMENTS

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

7. CONNECTION TO THE AERIAL

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

8. CONNECTION TO THE TV

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

9. EARTHING

The aerial cable must be buried in the ground.

The buried cable of the system must comply with SABS 061.

Safety and Warning

10.LOCATION

Place the receiver indoors to avoid exposing it to lightening, rain or sun.

Do not place it near a radiator or heat register.

Make sure it has more than 10 cm clearance from any appliances susceptible to electromagnetic influences, such as TV and VCR.

Do not block these openings with any object, and do not place the product on a bed, sofa, rug or other similar surface.

If you place the product on a rack or bookcase, ensure that there is adequate ventilation and that you have followed the manufacturer's instructions for mounting.

Do not place the product on an unstable cart, stand, tripod, bracket or table where it can fall. A falling product can cause serious injury to a child or adult, and serious damage to the appliance.

11.LIGHTNING, STORM or NOT IN USE

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

12.EXTRANEIOUS OBJECTS

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

13.REPLACEMENT of PARTS

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

Warning

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

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1.Before Using the Receiver

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

1.1 Package Contents

Please check all package contents before using your receiver.



Remote Control (1)



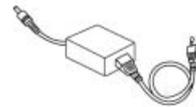
User's Manual (1)



Batteries (2)



RF Cable (1)



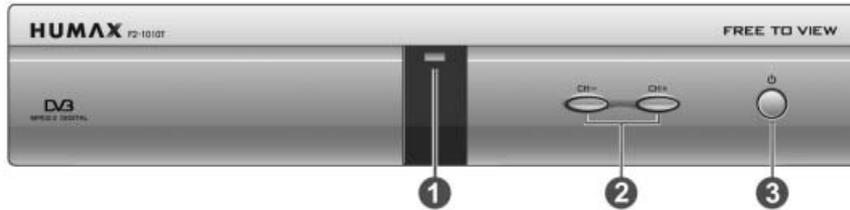
Adaptor (1)

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.
- Package Contents can be changeable according to the area.

1. Before Using the Receive

1.2 Front Panel



1. STANDBY LED

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

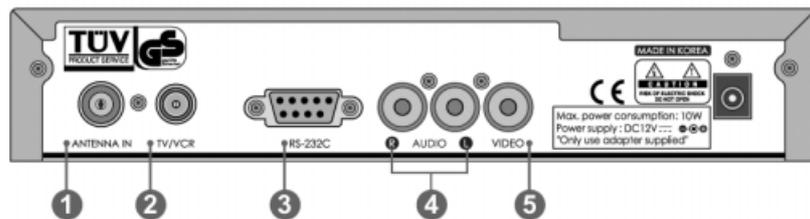
2. CH- / CH +

Moves the TV/Radio service up / down.

3. STANDBY Button

Switches between operation and standby modes.

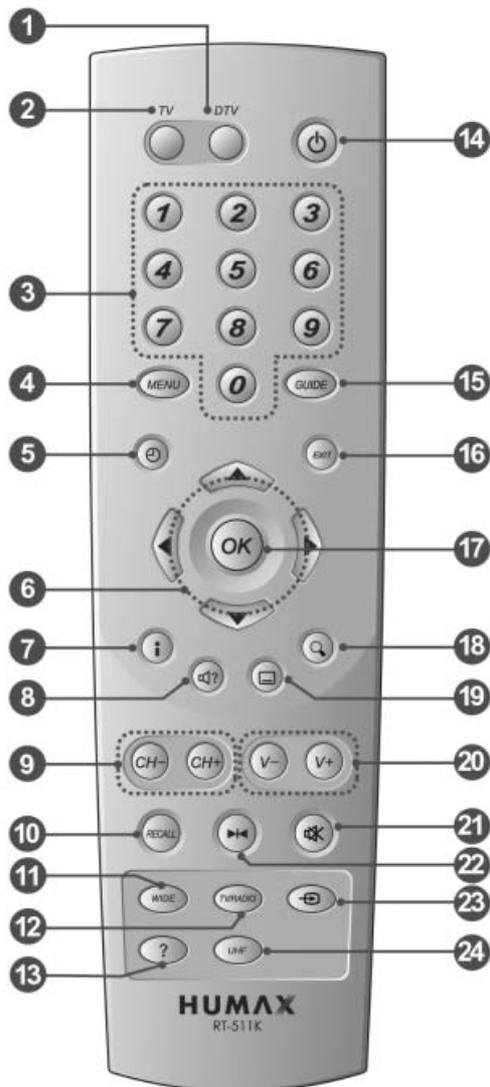
1.3 Rear Panel



- 1. ANTENNA IN**
Connects a aerial to a ANTENNA input jack on the your receiver.
- 2. TV / VCR**
Connects a RF signal from your receiver to RF(ANT) input jack on your TV or VCR.
- 3. RS-232 C**
Connects to your PC to upgrade product's software programme.
- 4. AUDIO L/R**
Connects to your TV or VCR and output Audio signals.
- 5. VIDEO**
Connects to your TV or VCR and output Video signals.

1. Before Using the Receiver

1.4 Remote Control



1. **DTV**
Turn on the DTV.
2. **TV**
Turn on the TV.
3. **NUMERICAL BUTTONS**
Enters a TV/Radio service number or menu option number.
4. **MENU**
Displays the main menu in DTV.
5. **TIME (WHITE)**
Display the current time on the screen. Reserve services in the information box or EPG.
6. **ARROW BUTTONS**
Changes the service or move the cursor to the up, down, left or right menu option.
7. **INFORMATION (RED)**
Displays the information about the service and programme.
8. **SOUNDTRACK (GREEN)**
Displays the Soundtrack.
9. **CH - / +**
Changes the Service.
10. **RECALL**
Returns to the previous channel.
11. **WIDE**
Change the display format.
12. **TV/RADIO**
Switches between TV and Radio modes.
13. **? (HELP)**
Display the help box on the screen.
14. **STANDBY**
Switches between Operation and Standby modes.
15. **GUIDE**
Displays the Programme Guide.
16. **EXIT**
Returns to the previous menu and screen
17. **OK**
Selects a menu or confirms the selected operation. And displays the service list during watching a programme.
18. **ZOOM (BLUE)**
Enlarge the picture.
19. **SUBTITLE (YELLOW)**
Changes the subtitle language.
20. **V - / V +**
Adjusts the audio volume of TV.
21. **MUTE**
Pauses the audio temporarily. That is, volumes on/off temporarily.
22. **FREEZE**
Freezes the TV screen you are watching. Play the audio continuously.
23. **AUX**
Controls input mode of TV.
24. **UHF**
Set the UHF menu.

2. Connecting

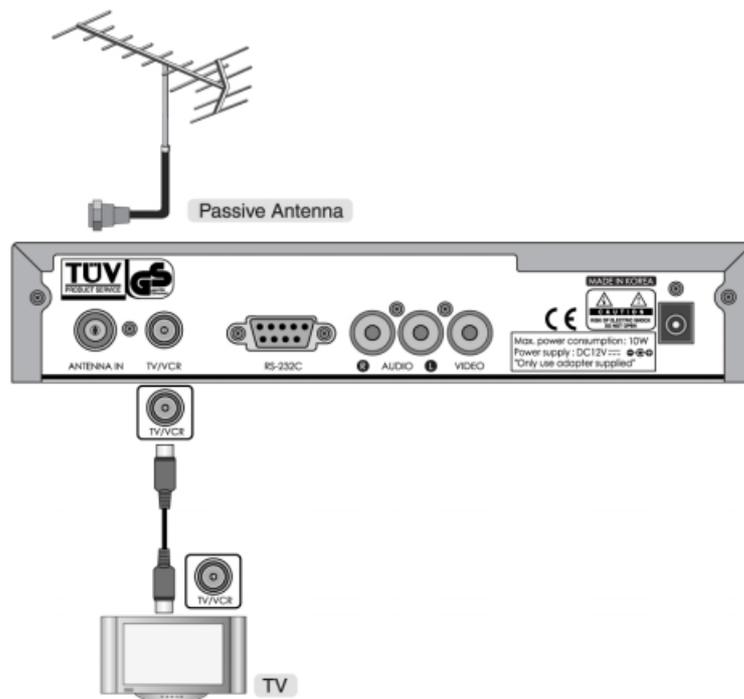
This chapter describes how to set up the receiver. Select the most appropriate procedure depending on your case.

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

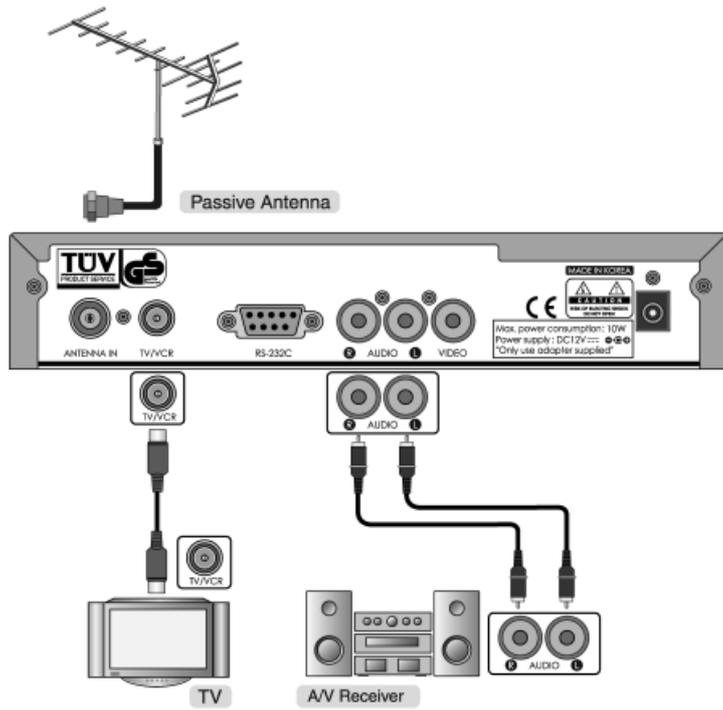
2.1 Connecting Aerial

1. Connecting TV and VCR

Connect the cable of your TV aerial to the **ANTENNA IN** connector on the rear of the receiver. Co-axial cable is connected as in the figure above.



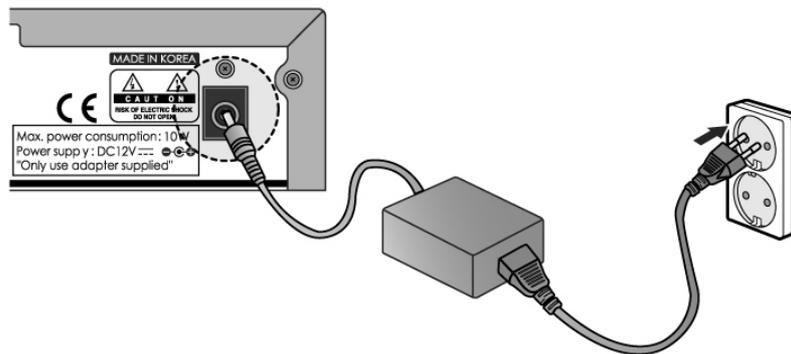
2. Connecting Hi-Fi system 1



2. Connecting

2.2 Powering On

1. Connect an adapter to a power input jack. Then, connect a plug of the adapter to a wall outlet.



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



3. Setup

Please setup the language, and search for services when you use your receiver for the first time after purchase. Once the service setting has been completed, you can skip Chapter 3.

3.1 Selecting a Language

You can select the language before you use the receiver.

Select your desired language using the ▲/▼ button and press the OK (OK) button.



3.2 Language Setting

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

1. Press the **MENU** (MENU) button.
2. Select **Installation** using the ▲/▼ button and press the **OK** (OK) button.
3. Select **System Setting** using the ▲/▼ button and press the **OK** (OK) button.
4. Select **Language Setting** using the ▲/▼ button and press the **OK** (OK) button.



Menu, Audio, and Subtitle Language

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

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

3. Setup

3.3 Service Searching

If your receiver is connected to the aerial and television, you can automatically or manually search services.

1. Press the **MENU** (☰) button
2. Select **Installation** using the ▲/▼ button and press the **OK** (OK) button.
3. Select **Service Searching** using the ▲/▼ button and press the **OK** (OK) button.
4. Enter a **PIN code**. The default PIN code is **0000**.
5. Select **Automatic Search** or **Custom Search** using the ▲/▼ button and press the **OK** (OK) button



1. Automatic Search

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

1. Select **Start Service** or **End Service** using the ▲/▼ button.
2. Press the ◀/▶ or **NUMERICAL** (0~9) button to input the start or end service number
3. Press the **OK** (OK) button to start the search.



2. Custom Search

You can search services manually by searching parameters, if you know the service information.

Select **Channel**, **Frequency**, **Mode**, **Guard Interval** or **Network Search** using the ▲/▼ button and press the ◀/▶ button.



- **Channel Number**

Select the number of VHF/UHF channel, in which the transport stream is transmitted by using also the **NUMERICAL**(0~9) button. If the number is correct, the receiver will search any services easily.

- **Frequency**

Enter the your desired frequency to search directly. When entering frequency, the appropriate service for the entered frequency is automatically displayed on Service. When you enter the frequency, you use the **NUMERICAL**(0~9) button.

- **Mode**

Select one option among **Auto**, **2K FFT** and **8K FFT** for service search. If you don't know the value, please select **Auto**.

- **Guard Interval**

Select one option among **Auto**, **1/4**, **1/8**, **1/16** and **1/32** for service search. If you don't know the value, please select **Auto**.

- **Network Search**

If specified frequency service information and other service information are provided together, the service, which belongs to other frequency service, is also searched. Select **Yes** to search all services in the network. If not, select **No**.

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+** (CH-/CH+) button.
2. Enter your desired channel numeric using the **NUMERICAL** (0-9) buttons to move to the channel directly.
3. Press the **TV/RADIO** (TV/RADIO) button to switch between TV channel and Radio channel.
4. Press the **RECALL** (RECALL) button ;to select the previous service.

Note: You can switch service using the service list or programme guide. Please refer to Chapter 6 and 7 for more information.

4.2 Volume Control

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

Note:

- The mute function keeps enabled while you change the service.
- This function is only for TV. Refer to chapter 11 to set the TV.

4.3 Motion Still

Press the **FREEZE** (FREEZE) button at remote control to pause the current programme.

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



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 ▲/▼ and **OK** (OK) button to change Audio immediately.
3. Select Audio Direction(left, right, stereo) using the ◀/▶ button.
4. Press the **EXIT** (EXIT) or **OK** (OK) button to exit the soundtrack list.



4.6 Teletext

Use your TV remote controller to control the teletext service.

The teletext button doesn't exist on our remote controller.

When the service supports teletext, the Teletext icon (📄) is displayed on the I-plate.

4.7 Programme Information (I- plate)

Programme information is always displayed for a specific period of time whenever you switch services. You can view the programme information by pressing the **i** (i) button while watching a programme. Press the **EXIT** (EXIT) button to hide the I-plate.

1. General Information

General Information is displayed as follows on the screen.



1. Service number and service name
2. Programme name
3. Icons

4. Basic Operation

-  Displayed only if this programme is reserved.
-  Represents parental level. It indicates the minimum level of ages that the programme is targeted at.
-  Displayed only when the service is a locked service.
-  Displayed only when the service is a scrambled service.
-  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. DST(Day Saving Time) : displayed only during summer time
5. Current time
6. Detailed programme information: displayed if detailed programme information is provided.
7. Progress bar : displays programme progress bar.
8. Next programme Information : displayed if next programme information is provided.
Press the ► button to display the next programme information.

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

2. Detailed Programme Information

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

Note:

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



4.8 Service Configuration

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

1. Press the **MENU** (MENU) button.
2. Select **Select Service** using the ▲/▼ button and press the **OK** (OK) or u button.
3. Select **Simple or Advanced** using the ▲/▼ button and press the **OK** (OK) button to display the service list.
4. Press the **MENU** (MENU) to display the service configuration when the service list is displayed.



Note:

- Press the **OK** (OK) button while watching a programme to display the service list. Then the following functions in the service configuration list are performed to the service where cursor is located.
- Press the **MENU** (MENU) or **EXIT** (EXIT) button to exit the service configuration screen.

1. Add a channel to favourite group

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

1. Select **Favourites** using the ▲/▼ button.
2. Select **Favourite Group** using the ◀/▶ button and press the **OK** (OK) button to register for favourite group.
3. Press the **OK** (OK) button again on the selected favourite group to release the registered service.

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

2. Lock/Unlock a Channel

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

1. Select Lock using the ▲/▼ button.
2. Select Lock option using the ◀/▶ button.
3. Select Unlock option using the ◀/▶ button.
4. You will be prompted to enter your PIN code. Enter your PIN code to unlock the service.

Note: When switching to the locked service, you must enter the PIN code to watch a programme. The Default PIN code is **0000**. If you have forgotten your PIN code, please contact your local product distributor.

4. Basic Operation

3. Skip a Service

You can skip the current service.

1. Select **Skip** using the ▲/▼ button.
2. Select **Skip or not** using the ◀/▶ button.

Note: If you skip the service, you cannot select the service in the service list.

4. Delete a Service

You can delete the current service while watching a programme.

1. Select **Delete** using the ▲/▼ button and press the **OK** (OK) button.
2. Select **OK** in the confirmation message to delete the service and press the **OK** (OK) button.
3. Select **Cancel** in the confirmation message to cancel the deleting the service and press the **OK** (OK) button.



5. Channel List

4 types of service lists are provided for easy and quick service finding. You can see the service list when you had searched before. To this menu, you should set service group you want in the **Service Organising** menu.

Note:

- Press the **EXIT** (EXIT) button to save the changes and return to the previous menu, press the **MENU** (MENU) button to exit the menu screen.
- Whenever you press the **TV/RADIO** (TV/RADIO) button while the service list is displayed, the service list will be switched between TV and Radio service list.

- All** Press the **RED** (1) button to display the list of all services which is sorted by service number.
- Favourite** Press the **GREEN** (4) button to display the list of the favourite services with 4 subgroups that you can organise services by your private taste.
- Network** Press the **YELLOW** (5) button to display the list of the services with several subgroups that you can organize services by the type of network.
- Alphabet** Press the **BLUE** (3) button to display the list of all services which is sorted by service name.

5.1 Selecting the Simple or Advanced Service List

You can view the simple or detailed service list.

1. Press the **MENU** (MENU) button.
2. Select **Select Service** using the ▲/▼ button and press the **OK** (OK) or ► button.
3. Select **Simple or Advanced** using the ▲/▼ button and press the **OK** (OK) button to display the service list.
4. Select **your desired service** using the ▲/▼ or **NUMERICAL** (0~9) button and press the **OK** (OK) button to watch the service.



Note: Press the **MENU** (MENU) to display the service configuration when the service list is displayed. Refer to Chapter 4.7 for detailed information.

5. Channel List

5.2 Changing Service List Group

You can see four types of service list group using the colour buttons.

1. Press the **OK** (OK) button while watching a programme to display the service list.
2. Select your desired service group using the **COLOUR** (RED, GREEN, YELLOW and BLUE) button.
3. Select your desired subgroup or service using the **▲/▼** button and then press the **OK** (OK) button.
4. The service list for the selected subgroup is displayed.



5.3 Organising All Services

You can edit all TV or Radio services to delete, move, lock, skip or rename the selected service.

1. Press the **MENU** (MENU) button.
2. Select **Installation** using the **▲/▼** button and press the **OK** (OK) button.
3. Select **Service Organising** using the **▲/▼** button and press the **OK** (OK) button.
4. You will be prompted to enter your PIN code. Enter your PIN code using **NUMERICAL** (0~9) button. The default PIN code is **0000**.
5. Select **Organise TV Services** or **Organise Radio Services** using the **▲/▼** button and press the **OK** (OK) button.
6. Select **Organise All Services** using the **▲/▼** button and press the **OK** (OK) button.



1.Delete a Service

You can delete the selected service.

1. Select your desired service using the **▲/▼/◀/▶** button.
2. Press the **RED** (i) button to delete the selected service.
If you cancel the deleting, press the **RED** (i) button again.
3. Press the **OK** (OK) button.

2. Move a Service

You can move the selected service.

1. Select your desired service using the ▲/▼/◀/▶ button.
2. Press the **GREEN** (Ⓜ) button to move the selected service and press the ▲/▼ button. If you cancel the moving, press the **GREEN** (Ⓜ) button again.
3. Press the **OK** (Ⓞ) button.

3. Lock a Service

You can lock or unlock the selected service.

1. Select your desired service using the ▲/▼/◀/▶ button.
2. Press the **YELLOW** (Ⓜ) button to lock the selected service. If you cancel the locking, press the **YELLOW** (Ⓜ) button again.
3. Press the **OK** (Ⓞ) button.

4. Skip a Service

You can skip or not skip the selected service.

1. Select your desired service using the ▲/▼/◀/▶ button.
2. Press the **BLUE** (Ⓜ) button to skip the selected service. If you cancel the skipping, press the **BLUE** (Ⓜ) button again.
3. Press the **OK** (Ⓞ) button.

5. Rename a Service

You can rename the selected service.

1. Select your desired service using the ▲/▼/◀/▶ button.
2. Press the **WHITE** (Ⓜ) button to rename the selected service. The keyboard display on the screen.
3. Select a service name using the ▲/▼/◀/▶ and press the **OK** (Ⓞ) button.



5. Channel List

You can also use four direction buttons.

Standard Press the **RED** (i) button to see the standard keyboard.

Extend Press the **GREEN** (d) button to see the extended keyboard.

OK Press the **YELLOW** (e) button to save the new name after entering a new name.

Delete Press the **BLUE** (q) button to delete the entered name.

Note: Press the **YELLOW** (i) or **EXIT** (exit) button to save the changes and return to the previous menu.

5.4 Organising Favourite Groups

You can edit the service of the favourite group and you can delete, move, lock, skip or rename the selected service in the favourite group mode. Each of TV and Radio has four favourite groups. Each group contains up to 100 services.

1. Press the **MENU** (m) button.
2. Select **Installation** using the **▲/▼** button and press the **OK** (OK) button.
3. Select **Service Organising** using the **▲/▼** button and press the **OK** (OK) button.
4. You will be prompted to enter your PIN code. Enter your PIN code using **NUMERICAL** (0-9) button. The default PIN code is **0000**.
5. Select **Organise TV Services** or **Organise Radio Services** using the **▲/▼** button and press the **OK** (OK) button.
6. Select **Organise Favourite A-D** using the **▲/▼** button and press the **OK** (OK) button.



1. Selecting Group, Favourite or Service mode

1. Select **Group, Favourite Group** or **Services mode** using the **◀/▶** button.
2. Select your desired service or group using the **▲/▼** button in the each mode.

Note: Refer to Chapter 5.3 to edit the selected service in the Favourite Group mode.

2. Adding a Service in your desired group

1. Select **Services** using the **◀/▶** button.
2. Select your desired service using the **▲/▼** button and press the **OK** (OK) button.
3. The service adds in your desired favourite group.

Note: Refer to Chapter 5.3 to edit the selected service in the Favourite Group mode.

5.5 Organising Networks

You can edit the service using the network unit. The provider name is displayed on the left side of screen and the TV/Radio service included in the highlighted network is displayed on the right side of screen. Only the Delete, Move, and Rename function can be used in Networks mode.

1. Press the **MENU** (MENU) button.
2. Select **Installation** using the ▲/▼ button and press the **OK** (OK) button.
3. Select **Service Organising** using the ▲/▼ button and press the **OK** (OK) button.
4. You will be prompted to enter your PIN code. Enter your PIN code using **NUMERICAL** (0~9) button. The default PIN code is **0000**.
5. Select **Organise Networks** using the ▲/▼ button and press the **OK** (OK) button.



Note: Select **Networks** or **Services mode** using the ◀/▶ button. Refer to Chapter 5.3 and 5.4 for detailed information to edit Networks mode.

6. TV Guide

The TV Guide displays the programme information. You can reserve it in the TV Guide menu.

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

Press the ◀/▶ button to move the cursor to the next page.

TV Guide mode includes five buttons to do four different modes :

- Now/Next** Press the **RED** (1) button display the current and next programme list.
- Weekly** Press the **GREEN** (10?) button to display the programme list for one-week.
- Reserved** Press the **YELLOW** (10) button to display the reserved programme list.
- Quick** Press the **BLUE** (10) button to display the simple TV Guide list.(Quick mode)
- Reserving** Press the **WHITE** (10) button to reserve the selected programme on the Now, Next or Weekly mode.

6.1 Viewing Programme Guide Information

You can view the programme information for all services.

Press the **GUIDE** (GUIDE) button or select the **TV Guide** on the **Main** menu to enter the TV Guide.

Note: Press the **TV/RADIO** (TV/RADIO) button to switch to the Radio Guide.



1. Viewing Guide Information by Now or Next mode

You can view the programme information for desired service list by now or next time.

1. Press the **RED** (1) button to display the current or future service list.
2. Select your desired service using the ▲/▼ or **CH-/CH+** (CH-/CH+) button and press the **OK** (OK) button.
3. The programme for selected service is displayed.



2. Viewing Guide Information by Weekly mode

You can view the programme information for a week.

1. Press the **GREEN** (OK) button to display the service list for a week.
2. Select a day of the week using the ◀/▶ button and press the **OK** (OK) button.
3. Select your desired service using the ▲/▼ button and press the **OK** (OK) button.
4. The programme for selected service is displayed.



Note: The weekly mode provides programme information from today to the next 7 days.

3. Viewing the Reserved Programme List

You can view the programme list already reserved on the Now, Next or Weekly mode of the TV Guide. Maximum eight programmes can be reserved.

1. Press the **YELLOW** (Ⓞ) button to display the reserved programme list.
2. Select your desired service using the ▲/▼ button and press the **WHITE** (Ⓞ) button to cancel the reserved programme.



Note:

- If the service is locked, parental controlled or restricted by watching time, you will be prompted to enter your PIN code. Enter your PIN code to complete the reservation.
- The programme list includes service name, date, duration time, reservation mode and programme name.

6. Programme Guide

4. Viewing Guide Information by Quick mode

You can view a simple TV Guide like an information box.

1. Press the **BLUE** (Ⓢ) button to display the service list by quick mode.
2. Select your desired service using the ▲/▼ or **CH-/CH+** (Ⓢ/Ⓢ) button and press the **OK** (Ⓢ) button.
3. The programme for selected service is displayed.



Red vertical line Indicates the current time.

Black and White bar Displays the proceeding state of the programme.

Time range of the bar 30 minute per block.

6.2 Reserving a Programme

You can reserve a programme or edit watching-reserved programme.

If you reserve a programme, you must select Now, Next, Weekly or Quick mode. Also you can reserve or edit a programme in the I-plate watching the current programme.

1. Press the **GUIDE** (Ⓢ) button or select the **TV Guide** on the **Main** menu to enter the TV Guide.
2. Select your desired mode using the COLOUR button. Refer to Chapter 6.1.
3. Select your desired service using the ▲/▼ or **CH-/CH+** (Ⓢ/Ⓢ) button in the Now, Next, Weekly or Quick and press the **WHITE** (Ⓢ) button.



1. Reserving New Programme

You can reserve programmes.

Select **Once**, **Daily** or **Weekly** using the ◀/▶ button and press the **OK** (OK) button to save.

- | | | |
|---|---------------|---------------------------|
|  | Once | Reserve once. |
|  | Daily | Reserve everyday. |
|  | Weekly | Reserve each once a week. |

Note:

- You can reserve or a programme in the I-plate using **WHITE** (⊖) button.
- You can reserve up to 20 programmes.
- If your desired programme is overlapped other programme, adjust the reservation appropriately. If the service is locked, restricted by watching time, you will be prompted to enter your PIN code to complete the reservation.

2. Editing the Reserved Programme

You can change the reserved programme mode or cancel the reservation. When you select your desired service, select the reserved programme to change the reservation mode. You can confirm with icon if the programme is reserved or not.

1. Press the **WHITE** (⊖) button to change the reservation mode in the reserved programme.
2. Select desired mode using the ◀/▶ button and press the **OK** (OK) button to save.
3. Select **Delete** using the ◀/▶ button and press the **OK** (OK) button, If you cancel the reservation.

7. Parental Control

You can set all other items suitable for your environment.

Note:

- Press the **EXIT** (⏻) to save the changes and return to the previous menu. Press the **MENU** (⏺) button to exit the Menu screen.
- The Default PIN code is **0000**. If you have forgotten your PIN code, please contact your local product distributor.

7.1 Parental Control

You can set parental control for each programme and also change your PIN code.

1. Press the **MENU** (⏺) button.
2. Select **Parental Control** using the ▲/▼ button and press the **OK** (⏹) button.
3. When prompting message is displayed to ask PIN code, enter the PIN code using the **NUMERICAL**(0-9) button. The default PIN code is **0000**.



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.
2. Select your desired Age Level using the ◀/▶ button and press the **OK** (⏹) button.

No block All programmes can be watched because there is no age limitation.

6 , 10 , 14 , 18 Programmes are blocked under the age of 6, 10, 14 or 18.

Total block All Programmes are blocked without considering the age level.

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

2. Change PIN

You can change the current PIN code into new one.

1. Select **Old PIN Code** using the ▲/▼ button and enter a PIN code using the **NUMERICAL**(0-9) button.
2. Enter a new PIN code using the **NUMERICAL** (0-9) button in the **New PIN Code**.
3. Enter the new PIN code again to confirm in the **Verify Changed PIN Code**.

8. Installation

8.1 System Setting

You can set the system according to your preference.

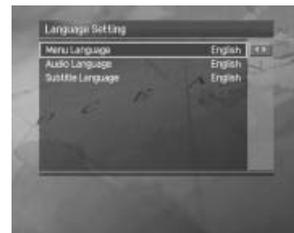
1. Press the **MENU** (MENU) button.
2. Select **Installation** using the **▲/▼** button and press the **OK** (OK) button.
3. Select **System Setting** using the **▲/▼** button and press the **OK** (OK) button.
4. Select **your desired item** using the **▲/▼** button and press the **OK** (OK) button



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



2. Time Setting

You can specify the current time, wakeup time, and sleep time.

1. Select **Current Time/ Wakeup Time / Wakeup Service No / Sleep Time** using the **▲/▼** button.
2. Press the **◀/▶** or **NUMERICAL**(0~9) button to set the time and Service No.



8. Installation

- **Current Time**
Enter the offset value using the standardized information of the current service area. This will be used as the standardized time for the I-plate, TV Guide, Wakeup and Sleep Time.
- **Time Offset**
Current Time is based at the stream of the current service. GMT is changed by from 30 minutes to 1 hour. The current time is set automatically whenever GMT Offset changes
- **Wakeup Time**
You can set the time when the product is automatically powered on. Select the **Disabled** not to set the **Wakeup Time**.
- **Wakeup Service No.**
You can set the service number when the product is automatically powered on..
- **Sleep Time**
You can set the time when the product is automatically powered off. Select the **Disabled** not to set the **Sleep Time**.

3. A/V Output Setting

You can set Audio or Video Output.

1. Select **Audio Output, Screen Mode, Display Format, TV Standard** or **NTSC Mode** using the ▲/▼ button.
2. Press the ◀/▶ button to set each item.



- **Audio Output**
Set the audio mode which is output from the TV RCA Cable. Select **Stereo** or **Mono**.
- **Screen Mode**
You can set the aspect ratio of your TV which is connected to your receiver. Select **4:3** or **16:9**.

- **Display Format**

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

If the Screen Mode is set to **4:3**, you can select one from **Letter-box**, **Centre** or **Auto**.

If the Screen Ratio is set to **16:9**, you can select one from **Pillar-box**, **Full** or **Auto**.

- **TV Standard**

You can select the TV Standard: PAL or NTSC. Select one from **Auto**, **PAL** or **NTSC**.

Auto The TV supports both PAL and NTSC.

PAL The TV supports only PAL.

NTSC The TV supports only NTSC.

- **NTSC Mode**

If TV Standard is set to NTSC, set the following mode. Only when TV Standard is set to **Auto** or **NTSC**, set the NTSC mode. Select **3.58** or **4.43**.

4. UHF Tuning

You can set the UHF Tuning service.

1. Select Channel, PAL Standard or Offset using the ▲/▼ button.
2. Press the ◀/▶ button to set each item.



- **Channel**

You can select UHF Services for the TV.

The Service range and Frequency change according to PAL Standard.

CH21~CH69	PAL I/G for Europe
CH28~CH69	PAL B for Europe/Australia
CH13~CH62	PAL D for China
CH21~CH69	PAL K for Russia

8. Installation

- **PAL Standard**
Select a PAL Standard according to the above range of channels. Select one option among **PAL I, PAL B, PAL G, PAL D, PAL K**.
- **Offset**
You can adjust fine tuning setting. Select a range between **-4~+4**.

5. Other Setting

1. Select **OSD Transparency, Info. Box Display Time, Changing to Reserved Service** using the **▲/▼** button.
2. Press the **▲/▼** button to set each item.



- **OSD Transparency**
You can set the transparency of On Screen Display. Select one option among **Opaque, 25, 50, 75** or **Transparent**.
Opaque Fully opaque screen
25, 50, 75 As the number is bigger, the screen is more transparent.
Transparent Fully transparent screen
- **Info. Box Display Time**
You can set the duration during which the information box is to be automatically displayed when you switch the service. Select a value between 1 ~ 20 seconds. When it is set to **0**, the information box will not be displayed when you switch the service.
- **Changing to Reserved Service**
When your reserved time has come during the view of services:
Manual Manually changed to the reserved service. A message display in the screen. Press the **OK (OK)** button to view the reserved service or press the **EXIT (EXIT)** button to keep viewing the current service.
Auto automatically changed to the reserved service.

8.2 Service Searching

1. Press the **MENU** (Ⓜ) button.
2. Select **Installation** using the ▲/▼ button and press the **OK** (Ⓞ) button.
3. Select **Service Searching** using the ▲/▼ button and press the **OK** (Ⓞ) button.
4. When prompting message is displayed to ask PIN code, enter the PIN code using the **NUMERICAL**(0~9) button. The default PIN code is **0000**.
5. Select your desired item using the ▲/▼ button and press the **OK** (Ⓞ) button.



1. Automatic Search

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

1. Select **Start Service** or **End Service** using the ▲/▼ button.
2. Press the ◀/▶ or **NUMERICAL**(0~9) button to input the start or end service number
3. Press the **OK** (Ⓞ) button to start the search.



2. Custom Search

You can search services manually by searching using parameters, if you know the service information.

Select **Channel**, **Frequency**, **Mode**, **Guard Interval** or **Network Search** using the ▲/▼ button and press the ◀/▶ button.



8. Installation

- **Channel Number**
Select the number of VHF/UHF channel, in which the transport stream is transmitted by using also the **NUMERICAL**(0~9) button. If the number is correct, the receiver will search any services easily.
- **Frequency**
Enter the your desired frequency to search directly. When entering frequency, the appropriate service for the entered frequency is automatically displayed on Service. When you enter the frequency, you use the **NUMERICAL**(0~9) button.
- **Mode**
Select one option among **Auto**, **2K FFT** and **8K FFT** for service search. If you don't know the value, please select **Auto**.
- **Guard Interval**
Select one option among **Auto**, **1/4**, **1/8**, **1/16** and **1/32** for service search. If you don't know the value, please select **Auto**.
- **Network Search**
If specified frequency service information and other service information are provided together, the service, which belongs to other frequency service, is also searched. Select **Yes** to search all services in the network. If not, select **No**.

3. Default Search

Default Search restores the receiver to the default settings

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

1. Select **OK** and press the **OK** () button to restore all setting to Factory Default.
2. Select **CANCEL** and press the **OK** () button to cancel default setting.
3. When default setting is completed, Automatic Search is automatically displayed, which helps Service Search.



4. Antenna Power

When you connect an active antenna to the **ANTENNA IN** connector on the rear of the receiver.

Select **On** or **Off** using the ◀/▶ button.

On 5V power supply from the active antenna cable.

Off No power supply.



9. Software Upgrade

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 upgrade.

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 Aerial 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 upgrade can take place by **beaming** latest software versions over the air via aerial systems. The software upgrade via aerial 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 upgraded or work after software upgrade.

2. The manufacturer decides to release software downloading via a designated aerial system.
3. The equipment must be tuned properly to the same channel that the manufacturer uses.
4. Upgrade software when the quality of receiving signal strength is high. If the weather is not so good that the quality of receiving signal strength is not recommendable, perform the software upgrade later.

Caution :

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

Note:

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

1. If new software is found when powering on

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

2. STB Upgrade

You can perform STB Upgrade only if you know MUX information of software upgrade correctly.

1. Press the **MENU** (MENU) button.
2. Select **Installation** using the **▲/▼** button and press the **OK** (OK) button.
3. Select **Status** using the **▲/▼** button and press the **OK** (OK) button.
4. Select **STB Upgrade** using the **▲/▼** button and press the **OK** (OK) button.
5. When prompting message is displayed to ask PIN code, enter the PIN code using the **NUMERICAL**(0~9) button. The default PIN code is **0000**.
6. Select **Channel, Frequency, Mode** or **Guard Interval** and press the **OK** (OK) button to search software.
7. It is displayed whether or not new software exist. If new software does not exist, a message will display and press the **OK** (OK) button to return to the STB Upgrade Menu.
8. Select **Yes** and press the **OK** (OK) button to start updating. Select **No** and press the **OK** (OK) button to return to the previous menu. Performs Software Upgrade. Please wait until it is completed. When completing the software upgrade, the product is automatically powered off and on again.



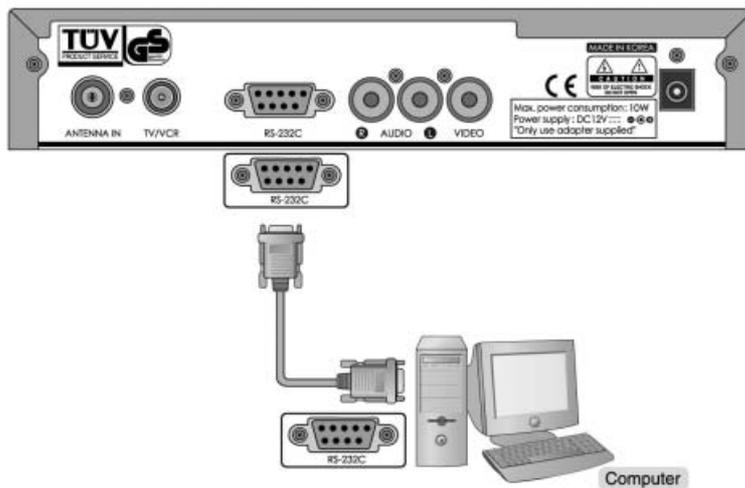
Note: How to setting parameters in **STB Upgrade** is the same as how to set parameters in **Custom Search** . Refer to **Custom Search**.

9. Software Upgrade

9.2 Software Upgrade from PC

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

1. Download new software file(HDF files) equivalent for this product model from our website into your computer(<http://www.humaxdigital.com>).
2. Download and install download tool 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. Power on/off to make this product operating.



10. Status and Utility

10.1 Status

You can view all system information, and signal detection.

1. Press the **MENU** (OK) button.
2. Select **Installation** using the ▲/▼ button and press the **OK** (OK) button.
3. Select **Status** using the ▲/▼ button and press the **OK** (OK) button.
4. Select **STB Status** or **Signal Detection** using the ▲/▼ button and press the **OK** (OK) button.



1. STB Status

You can view System information.

Confirm the information about **H/W Version**, **S/W Version**, **Device Driver Version**, **S/W Last Update**, **Loader Version**, **System ID** and **Current Service**.



2. Signal Detection

You can view the signal level and signal quality receiving for the service that is currently on AV.

Display information about the aerial and transponder, which current service belongs to and the graphs and percentage of Signal Level and Quality of the service.



10. Status and Utility

10.2 Utility

STB supports additional functions such as calendar , biorhythm, and game.

1. Press the **MENU** (Ⓜ) button.
2. Select Utility using the **▲/▼** button and press the **OK** (Ⓞ) or **▶** button.
3. Select **Calendar**, **Biorhythm** or **Games** using the **▲/▼** button and press the **OK** (Ⓞ) button.



1. Calendar

You can see the calendar specified year or month.

Press the **◀/▶** button to change month.

Press the **▲/▼** button to change year.

Press the **OK** (Ⓞ) or **EXIT** (Ⓧ) button to return to the previous menu.



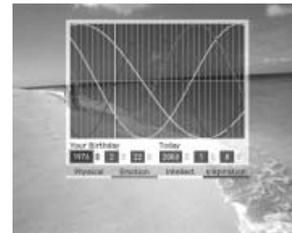
2. Biorhythm

You adjust your birth year and date to see your current biorhythm status.

Press the **◀/▶** button to move next step.

Press the **▲/▼** button to change a value in the step.

Press the **EXIT** (Ⓧ) button to return to the previous menu.



3. Games

You can enjoy games.

Press the **▲/▼/◀/▶** or **COLOUR** button to enjoy games. Press the **EXIT** (Ⓧ) or **BLUE** (Ⓞ) button to exit the game menu.

11. Manipulating your TV using Remote Control

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

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

TV code setting

Note: While you are setting TV code, please keep pressing TV button.

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

[Code for TV manufacturer] Table

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

11. Manipulating your TV using Remote Control

Brand	Code	Brand	Code
BLACKSTRIPE	040	CITIZEN	040,057,074
BLACKSTRIPE	106	CLAIRTONE	056
BLACKSTRIPE	108	CLARIVOX	018
BLAUPUNKT	059,060,061	CLARIVOX	125
BLUE SKY	064	CLATRONIC	098
BLUE STAR	075	CLATRONIC	127
BOOTS	063	CME	004,005,017,018,028, 042,049,063,065,066, 068,076,079,087
BOSCH-BAUER	098	CONCERTO	025
BPL	075	CONDOR	098
BRADFORD	052	CONIC	110
BRINKMANN	123	CONTEC	004,017,052,056,062
BRITANNIA	062	CONTINETAL	141
BROCKWOOD	009	CRAIG	105
BROKSONIC	002,067,085	CRIPTOVISION	023
ROTHER	071	CROSLEY	110
BRUNS	126	CROSLEY	004,018,019,052,127
BSR	093,118	CROWN	098
BTC	064	CTC	006,015,019,020,021, 023
BUSH	004,017,018,064,075, 093,099,117	CURTIS MATHES	026,030,035,038,025, 040,044,084,106
CANDLE	015,025,057	CXC	052
CAPEHART	124	CYBERTON	064
CAPSONIC	071	DAEWOO	004,009,018,019,029, 084,133
CARNIVALE	015	DAINICHI	064
CARREFOUR	017	DANSAI	018
CARVER	023,046	DAYTON	004,009,019,018
CASCADE	004	DE GRAAF	006
CATHAY	018	DECCA	018,028,129
CCE	063,018,078	DENON	035
CCI	115	DESMET	098
CENTURION	018	DIXI	003,004,018,126
CGE	101,123	DUAL	097
CIE	133		
CIMLINE	004,117		
CINERAL	029,084		
CITIZEN	015,019,025,026,029,		

Brand	Code	Brand	Code
DUAL TEC	063	FUNAI	047,051,052,071,118
DUMINT	127	FUTURETECH	052
DUMONT	007,009	GALAXIS	123,142
DYNATECH	063	GBC	099
EB TELECOM	105	GE	011,013,020,021,024, 030,034,050,075,084
EC	018,028,063,095,110, 129	GELOSO	004,099
ECTEC	081	GENEXXA	042,064
EDISON	052	GIBRALTER	007,009,015
ELECTROBAND	056	GO VIDEO	026
ELECTROHOME	080,106,110	GOLDSTAR	000,001,009,015,016, 018,019,025,033,050, 063,071,093,110,124, 140
ELECTRONIC	071,133,146,018,028,	GOODMANS	017,018,028,051,063, 133
ELEKTA	071	GPM	064
ELIN	018	GRADIENTE	022,025,046,082
ELITE	040,064,098,106	GRADIN	098
ELMAN	127	GRAETZ	042,099
ELTA	004	GRANADA	018,028,063,109,124
EMERSON	009,019,038,049,050, 051,051,053,054,055, 056,067,072,074,075, 085	GRANDIN	075
ENVISION	015	GRUNDIG	018,059,060,068,137
ERRES	018	GRUNPY	051
EURO-FEEL	071	GRUNPY	052
EUROMANN	071	HALIEAX	071
EUROPHON	127	HALLMARK	050
FERGUSON	018	HANSEATIC	018,089,097,098,099, 118,119
FIDELITY	062,097,104	HARLY DAVIDSON	051
FINLADIA	106	HARMAN KARDON	023
FINLUX	018,028,051,093,129	HARVARD	052
FIRST LINE	118,004,062,063	HCM	004,071,075
FISHER	038,041,063,097,106, 108,126	HEMMERMANN	097
FORMENTI	018,098,103	HINARI	004,017,018,051,064
FRONTECH	042,071,099	HITACHI	094,095,096,099,102,
FUJITSU	028,051,124		

11. Manipulating your TV using Remote Control

Brand	Code	Brand	Code
HITACHI	108,109,110,111,112, 113,114,124,148,016, 017,025,031,032,035, 037,042,048,063,066, 090,091	KEC	052
HUANYU	062	KENDO	018,099,117,119,127
HUSPI ELEKTRONIK	123	KENWOOD	009,015
HYPERVERSION	134	KINGSLEY	062
HYPSON	018,071,075	KLH	124
HYPSON	071,075	KLOSS	012
ICE	063,071	KMC	033
ICES	064	KONIG	004,005,017,018,042, 061,068
IMPERIAL	092,099,101,123	KORPEL	018
INDESIT	068	KORTING	098
INDIANA	018	KOYODA	004
INFINITY	023	KTV	015,019,052,055,056, 063,074
INGEKEN	139	KUBA	097
INGELEN	042	LENCO	071,118,124
INNOHIT	028,124	LG	025
INNOVA	018	LIESENK & TTER	018
INTEQ	007	LIFETEC	071
INTERBUY	071	LLOYTRON	016
INTERFUNK	018,042,095,099	LOGIK	000,006
INTERVISION	018,063,071,127,144	LUMA	099
ISUKAI	064	LUXMAN	025
ITT	042,099,108	LUXOR	068,094,099,102,124
JACSON	129	LXI	007,020,023,038,040, 050,106
JBL	023	M ELECTRONIC	004,018,042,063,097, 127
JCB	137	MAGNAFON	127
JEC	040	MAGNASONIC	106
JVC	017,022,045,054	MAGNAVOX	010,012,014,015,017, 023,051,057,058,110
KAISUI	004,062,063,064,075	MAJESTIC	006
KAMP	062	MANDOR	071
KAPSCH	042,095,099	MANESTH	063,071,098,117
KATHREIN	089	MARANTZ	015,018,023,089
KAWASHO	062,077		

Brand	Code	Brand	Code
MARK	018	NIKKAI	016,018,028,040,062,
MATSUI	004,005,018,049,063,		064,071,124
	092,097,117	NIKKO	007,015,020,029,038,
MATSUSHITA	021,070		040,050
MC MICHAEL	110	NISATO	081
MEDIATOR	018	NOBLEX	083
MEGATRON	002,035,050,109	NOKIA	071,094,095,096,099,
MEI	056		106,108,143
MEMOREX	004,006,025,026,033,	NOSHI	008
	036,038,050,070,071,	NTC	029
	106	OCEANIC	042,099,106,118
MEMPHIS	124	ONWA	052
MGA	009,015,036,039,050	OPTIMUS	038,044,070
MIDLAND	007,016,019,020,021,	OPTIONICA	030,043
	034	ORION	018,049,051,067,085,
MINERVA	068		097,098,118
MINUTZ	011	OSAKI	016
MITSUBISHI	009,017,030,036,039,	OSAKI	028
	050,068	OSAKI	063
MIVAR	062	OSAKI	064
MOTOROLA	024,030	OSAKI	071
MTC	009,015,025,026,056,	OSAKI	124
	062	OSO	064
MULTISTANDARD	127	OSUME	016,028,124
MULTITECH	004,052,062,063,099,	OTTO VERSAND	017,018,059,063,087,
	127		089,093,097,098,099,
MUTIMEDIA	132		102,108,117,118
NAD	040,044,050	PALLADIUM	099
NAONIS	099	PANAMA	063,071
NATIONAL	068	PANASONIC	000,020,021,022,023,
NEC	009,015,017,025,046		024,026,030,035,036,
NECKERMANN	018,059,087,089,099,		038,040,042,043,050,
	102		065,068,070,079,099
NEI	018	PATHE CINEMA	062,098
NESCO	051	PAUSA	004
NETSAT	018	PCE/PEC	040,106,108

11. Manipulating your TV using Remote Control

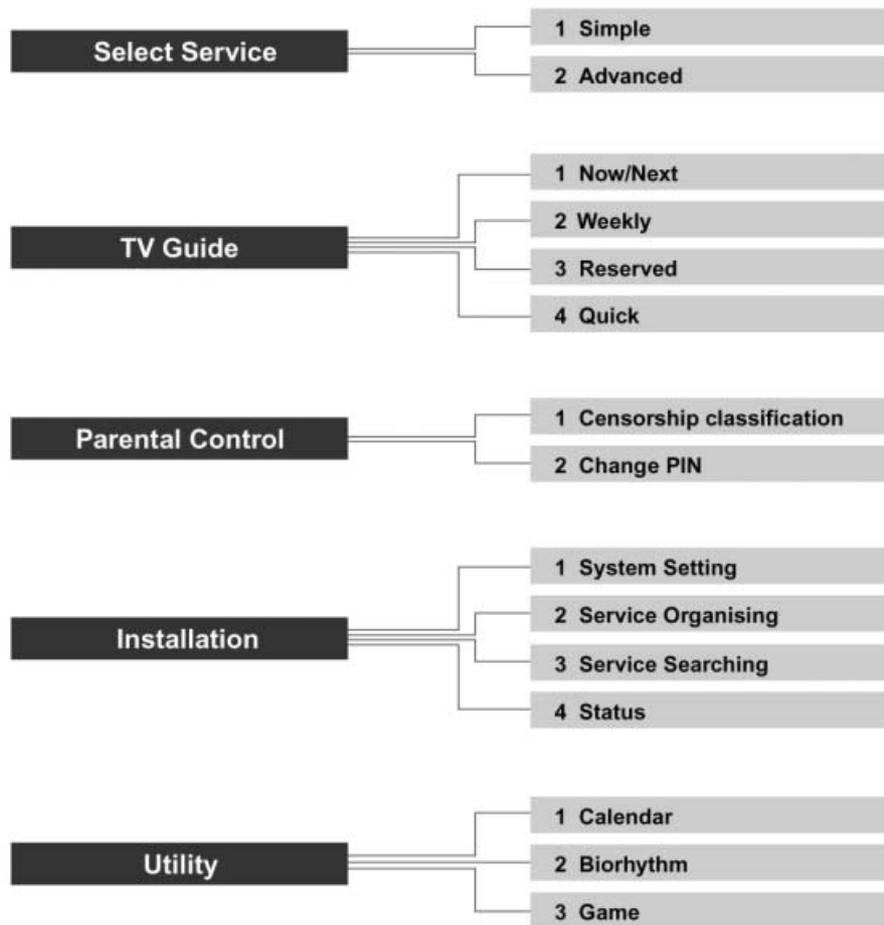
Brand	Code	Brand	Code
PENNEY	001,102,008,009,011, 013,015,016,019,020, 021,025,026,034,040, 050	RADIOTONE	071
PHASE	016	RADIX	108
PHILCO	009,010,012,014,015, 023,035,057,058,085, 123	RANK ARENA	017
PHILIPS	007,008,009,010,011, 012,013,018,019,023, 089,110,124,138	RCA	008,009,020,021,030, 034
PHONOLA	018,098	REALISTIC	009,015,016,019,025, 038,043,050,052,106
PILOT	009,015,019	REKORD	149
PIONEER	042,044	REVOX	018
POLICOM	068	REX	042,071,076,099
POLYRON	071	RFT	088,126
PORTLAND	009,019,029	RHAPSODY	055,056,062
PRANONI PRINCE	099	R-LINE	018
PRIMA	040,106	ROADSTAR	004,064,071
PRINZ	124	ROYAL LUX	131
PRISM	021	RTF	018
PROFEX	004	RUNCO	007,015
PROLINE	119	SABA	042,095,099
PROSCAN	015,020	SAGEM	139
PROTEC	099,127	SAISHO	004,005,049,071,117
PROTECH	004,018,063,071	SAKIO	071
PROTON	002,050	SALORA	042,094,099,102,106, 124
PULSAR	007,009,110,124	SAMBERS	127
QUASAR	021,024,043,070	SAMPO	015,016,019
QUELLE	005,018,087,093,097, 099,108,117,118	SAMSUNG	004,009,015,016,018, 019,025,026,050,063, 071,078,089,124,137
QUESTA	017	SAMSUX	019
RADIO SHACK	009,015,016,019,020, 025,038,043,050,052, 106	SANDRA	062
RADIOLA	018	SANSEI	084
		SANSUI	085
		SANYO	005,017,028,038,041, 106,107,108,124,129
		SBR	018
		SCHAUB LORENZ	099

Brand	Code	Brand	Code
SCHNEIDER	018,064,071,097,136, 143,147	SOUND&VISION	127
SCIMITSU	009	SOUNDESIGN	050,051,052,057
SCOTCH	050	SOUNDWAVE	018
SCOTT	009,050,051,052,067	SPECTRA	133
SEARS	020,023,025,038,040, 041,047,050,051,106	SPECTRICON	002
SEG	017,063,071,126,127	SQUAREVIEW	047
SEI	049	SR2000	106
SEI-SINUDYNE	097,099,117,118,127	SSS	009,052
SELECO	042,076,099,100,119, 120,122	STANDARD	004,063,064,098
SEMIVOX	052	STARLITE	052
SEMP	040	STERN	042,076,099
SENTRA	040	SUNKAI	117,118
SHARP	017,019,030,043	SUPERTECH	097
SHOGUN	009	SUPRA	025
SHORAI	118	SUSUMU	064,010,012,014,015, 023,057,058,080
SIAREM	127	SYMPHONIC	047
SICATEL	121	SYSLINE	018
SIEMENS	018,059,060,061	TADNDY	124
SIGNATURE	006,040	TANDY	028,030,042,063,064
SILVER	017	TASHIKO	110
SIMPSON	057,058	TASHKO	017,063
SINGER	127	TATUNG	002,018,024,028,063, 124
SINUDYNE	049	TEC	063,133
SKANTIC	099	TECHLINE	127
SKY	018	TECHNEMA	098
SOGERA	098	TECHNICS	007,020,021,070
SOLAVOX	016	TECHNISAT	130
SOLAVOX	042	TECHNOL ACE	051
SONITRON	108	TECHWOOD	002,021,025
SONOKO	004,018,071	TEKNIKA	006,009,019,023,025, 026,029,036,051,052, 057
SONOLOR	042	TELECO	135
SONTEC	018	TELEFUNKEN	025
SONY	005,017,073,087		

11. Manipulating your TV using Remote Control

Brand	Code	Brand	Code
TELEMEISTER	098	VECTRO RESEARCH	015
TELETECH	004	VESTEL	018
TELETON	017,057,063,099	VICTOR	022
TELEVIDEON	098	VIDEOTECHNIC	063
TENSAI	064,093,098,118	VIDEOTON	094
TESLA	135	VIDIKRON	023
TEXET	062,064	VIDTECH	009,017,050
THOMAS	110	VISA	004,005,017,018,042, 068
THOMAS	124	VISION	098
THOMSON	068	VOXSON	042,099
THORN	018,028,040,087,107, 108,110,112,128,129	VTQ	126
TMK	025,049,050	WALTHAM	063,094,099
TOKAI	124	WARDS	006,009,010,011,013, 014,015,023,025,034, 040,043,050,051,058
TOMASHI	075	WATSON	018,098
TOSHIBA	017,026,038,040,069, 106,108	WATT RADIO	097,127
TOSONIC	056	WEGA	017
TOTEVISION	019	WHITE	018,062,098,106
TOWADA	099,127	WESTINGHOUSE	
TRIUMPH	049,069	WORLD-TECH	133
TV TEXT	089	YAMAHA	009,015
UHER	098	YOKO	018,063,071,133
UHER	127	YORK	108
ULTRA	081,124	ZANUSSI	076,099
ULTRAVOX	127	ZENITH	006,007,029
UNIVERSAL	011	ZONDA	002
UNIVERSAL	013		
UNIVERSUM	018,071		

12. Menu Map



13. Trouble Shooting

13.1 Trouble Shooting

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

1. No message is displayed on the front panel or product has no power
 - Check the main power cable and check that it is plugged into a suitable power outlet.
 - Check whether the Power Switch is On.
2. No picture
 - Make sure that the product is in Operation Mode.
 - Make sure that the AV Cable is firmly connected to the TV.
 - Make sure that Aerial line is correctly connected to the equipment
 - Check the brightness level of TV.
 - Check the service is on air.
3. Poor picture & sound quality
 - Install the aerial 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 aerial.
4. No or poor sound
 - Check the volume level of the TV and Receiver.
 - Check the Mute status of the TV and product.
 - Press the Audio button to change the Sound Track type.
5. Remote controller does not operate
 - To control the equipment with the remote controller, the remote controller's top end should directly point towards the receiving part of receiver's remote controller.
 - Check the battery of Remote controller.
6. Reservation is not available
 - Check whether it is not overlapped with other reservation.
 - Check whether the power switch is off.

13.2 Error Message

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

14. Specification

Tuner & Channel	
Input Connector	IEC-Type, IEC 169-24, Female
RF Loop through Output connector	IEC-Type, IEC 169-24, male
Frequency Range	48.5MHz to 226.5MHz (VHF) 470MHz to 862MHz (UHF)
Signal Level	-10 to -70dBm
Demodulation	OFDM
Mode	2K, 8K
FEC mode	1/2, 2/3, 3/4, 5/6 & 7/8
Guard Intervals	1/4, 1/8, 1/16 & 1/32
MPEG Transport Stream A/V Decoding	
Transport Stream	MPEG-2 ISO/IEC 13818
Profile Level	MPEG2 MP@ML
Input Rate	15 Mbit/s Max
Aspect Ratio	4:3, 16:9 Letter box
Video Resolution	720 x 576
Audio Decoding	MPEG/MusiCam Layer I & II
Audio Mode	Single /Dual mono/ Stereo /Joint stereo

Memory	
Flash Memory	1 Mbytes
Graphics (MPEG) & System Memory	16 Mbytes
EEPROM	8 Kbytes
RF-Modulator	
RF/Loop-through Output Connector	75 Ω , IEC 169-2
Frequency	470 ~ 862 MHz
Output Channel	CH 21 ~ 69
TV standard	PAL I/G/B
Preset Channel	CH 36
Power Supply	
Input Voltage	DC 12V 1.4A
Type	Switching Mode Power Supply (SMPS)
Power Consumption	Operation mode : Max. 10W Stand-by mode : Max. 5W
AC Power Adaptor	AC 100 ~ 240V 50/60Hz Max 1.0A
Protection	Separate internal fuse & Lightning protection
Physical Specification	
Size	215 mm X 41 mm X 158 mm
Weight (Net)	1.3 kg
Operating Temperature	0 °C to +45 °C
Storage Temperature	-10 °C to +70 °C

15. Glossary

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.

Frequency

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

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)

The tMeans that software downloads where the manufacturer reserves the right to decide when and where to release them through aerial.

Service

A channel to which a decoder or TV is tuned.

16. Service and Support

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

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

Web site and e-mail

Homepage

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

HCSA (Humax Customer Service Area)

Software Download, Information and Technical Q&A	
http://www.humaxdigital.com/hcsa/	English
http://www.humaxdigital.com/Deutsch/hcsa/	Deutsch

E-mail (Technical Q&A)

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

16. Service and Support

Call Center

Humax Middle East Call Center (Dubai, UAE)

Tel: +971 (0)4 359 2323 (Open: 9:00 - 20:00 / close on Friday)

E-mail: callcenterME@humaxdigital.com

Open: Local Time in Dubai (GMT+4)

9:00 - 20:00 (Saturday - Thursday, close on Friday)

Support Language: English/Arabic

Humax Hotline (Germany)

Germany: 01805 778 870 (€ 0,12/Min)

Other Countries: + 49 1805 778 870 (€ 0,12/Min+ International Call Charge)

Open: Local Time in Germany (GMT+1)

8:00 - 20:00 (Monday - Friday)

8:00 - 18:00 (Saturday)

Support Language: Deutsch/English

Humax BTCL 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)

www.humaxdigital.com

Digital Terrestrial

FREE-TO-AIR



HNF21010T.100ENVI