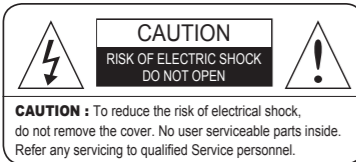


# User's Manual

Digital Cable Receiver

## General Safety

### Warning



- Always follow these instructions to avoid the risk of injury to yourself or damage to your equipment.
- Unplug the receiver from the AC power outlet before cleaning.
- Use only a damp cloth for cleaning the exterior of the receiver.
- Do not use accessories or attachments not recommended by the receiver manufacturer as they may cause problems to the equipment and will void the warranty.
- Do not place the receiver on an unstable cart, stand, tripod, bracket, or table.
- The receiver may fall, causing serious personal injury and damage to the receiver.
- Do not block or cover the slot opening in the receiver.
- These are provided for ventilation and protection from overheating.
- Never place the receiver near or over a radiator or any heat source.
- Do not place the receiver in an enclosure such as a cabinet without proper ventilation.
- Do not stack the receiver on top of or below other electronic devices.
- The apparatus shall not be exposed to dripping or splashing and with no object filled with liquids, such as vases, shall be placed on the apparatus.
- Operate the receiver using only the type of power source indicated on the marking label.
- Unplug the receiver power cord by gripping the power plug, not the cord.
- Route power supply cord so that are not likely to be walked on or pinched by items placed upon or against them. Pay particular attention to the cords that plugs in the convenience receptacles, and the point where they exit from the unit.
- Use an outlet that contains surge suppression or ground fault protection.
- For added protection during a lightning storm, or when the receiver is left unattached and unused for long periods of time, unplug it from the wall outlet and disconnect the lines between the receiver and the antenna. This will provide some protection against electrical damage caused by lightning or power line surges.
- The mains plug is used as the disconnect device. The disconnect device shall remain readily operable.

### Servicing

- Do not attempt to service the receiver yourself, as opening or removing covers may expose you to dangerous voltage, and will void warranty. Refer all servicing to authorized service personnel.

### Information to the user

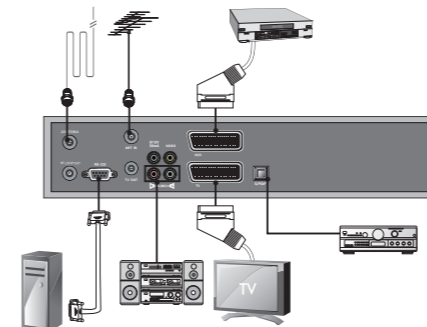
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION : Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## Connection

- 1. To connect Cable Antenna**  
Connect the antenna cable to ANTENNA.
- 2. To connect Terrestrial Antenna**  
Connect the terrestrial antenna cable to ANT IN.
- 3. To connect TV / VCR**  
Connect RCA, SCART, or S-VIDEO cable to the receiver.
- 4. To connect Digital Audio System**  
Connect S/PDIF coaxial cable to a digital amplifier.
- 5. Loop Through**  
Connect coaxial cable to the Loop Through on the STB and connect the other STB.



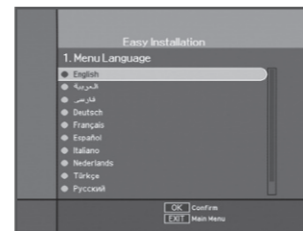
Note  
The design of the Rear Panel may be changed without any notice in advance.

## Menu Application

Press the **MENU** button on the remote control unit. You will see the **Main Menu** on the screen.

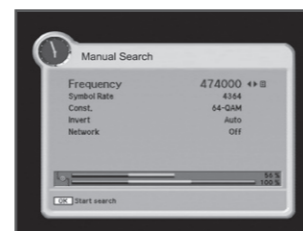
1. Press the **▲/▼/◀/▶** buttons to move to sub menu.
2. Press the **OK** button to select or confirm menu.
3. Press the **MENU** button to return to previous menu.
4. Press the **EXIT** button to quit the menu.

## Easy Installation



You will see only **Easy Installation** menu at first when you plug in your system. The Easy Installation gives you the convenience of selecting various languages, adjusting the time and channel search.

- 1. Language**  
The Language of Menu, Audio, or Subtitle will be changed to the selected language.
- 2. Local Time**  
You can set your local time according to your location.
- 3. Channel Search**  
You can search the channels according to the Automatic or Manual mode.
- 4. Channel Search**
  - **Manual Search**  
→ Input a proper Frequency of the cable signal using **NUMERIC** buttons.
  - Input a proper Symbol Rate of the cable signal using **NUMERIC** buttons.
  - Select the Constellation (AUTO, 16, 32, 64, 128 or 256 QAM) using **◀/▶** buttons.
  - Select the spectral Invert (Auto, Off or On)
  - Select for the Network Search(Off or On).  
When you select "On", you can find more services using the home network.
  - Press **OK** button.



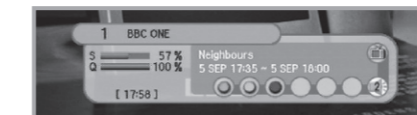
- When searching is started, the name of channels searched will be displayed on the screen.
- When searching is finished, the "Search finished" message will be displayed on the center of the screen.
- Press the **OK** button to save the channel list and watch the channel searched.
- **Automatic Search**
  - Input a proper Start Frequency of the cable signal using **NUMERIC** buttons.
  - Input a proper End Frequency of the cable signal using **NUMERIC** buttons.
  - Input a proper Symbol Rate of the cable signal using **NUMERIC** buttons.
  - Select the Constellation(AUTO, 16, 32, 64, 128 or 256 QAM) using **◀/▶** buttons.
  - Press **OK** button.
  - When searching is started, the name of channels searched will be displayed on the screen.
  - When searching is finished, the "Search finished" message will be displayed on the center of the screen.
  - Press the **OK** button to save the channel list and watch the channel searched.

## Menu Guide

### Basic Function

#### 1. Program Information Banner

After the television channels have been programmed, you will see the information box each time you change the channels.



#### Note

If you press the button below, the banner will be displayed like the following.

1. **GREEN** button → **Now** information banner.
2. **YELLOW** button → **Next** information banner.
3. **INFO** button → **Channel** information banner.

#### 2. Teletext / Subtitle

Press the **RED** button to select the **Subtitle** or **Teletext**, then you can see the subtitle language.

#### 3. Once, Daily, Weekly Reservation

**The user can reserve a desired program at a desired time by using the Timer function.**

Pressing the **YELLOW** button to use the **▲/▼/◀/▶** buttons in the **Timer Setting** screen to select the date and time.

#### 4. Simple Channel List

1. When you press **OK** button during receiving service stream, you can get **Channel List** view.
2. Using **▲/▼** buttons in **Channel List** view, you can choose another channel.

### Channel List

This menu helps you to easily select the channel that you want to watch. You can see the channel list when you had searched before.

To use this menu, you should set channel group you want in the **Edit Channel List** menu.

1. To see the available channel list, use the **SUB-T(RED)** button.  
The channel list moves in the following sequence :  
**ALL** → **Favorite** from **1** to **4** → **Lock**

## Menu Guide

### Edit Channel List



From these menus, You can edit favorite lists, lock, skip, delete, or move channel.

- 1. Favorite Channel**  
You can edit favorite TV and Radio list.
- 2. Lock Channel**  
From here you can lock channels in any of the list in order to prevent (e.g. your children from watching.)
- 3. Delete / Skip Channel**  
You can delete/skip TV or Radio channel from the current list.

#### 4. Move Channel

You can change the position of the channel you want on the TV/Radio/All channel lists.

#### 5. Genre Channel

You can edit TV and Radio list of the genre which is various.(Movie, News and Factual, Entertainment, Sport, Children's, Factual, Education, Lifestyle, Drama, Music, Arts, Current Affairs, Special, Comedy, Documentary.)

### Program Guide



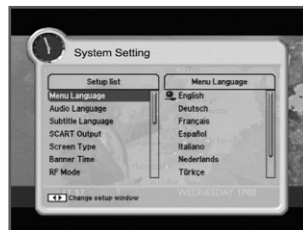
The program guide supplies information such as program listings and ending times for all available programs.

- 1. Now/Next Program Guide**  
Shows the information of Present/Following program on different channels.
- 2. Weekly Program Guide**  
Shows the information of program that will be played for a week.

#### Note

The Program Guide information may not be supplied by service providers.

### System Setting



You will be asked to enter your PIN code before you can enter this menu. The PIN code preset to 0000 from the factory.

The code can be changed from the Change PIN Code menu .

If you want to customize the system to suit you better, you can specify some settings from the submenus in the **System Setting** menu.

- 1. Menu Language / Audio Language / Subtitle Language**  
In this menu You can change default language for menus, audio, and subtitle when changing services.
- 2. SCART Output (option)**  
If your SCART supports RGB control, select RGB. Otherwise select CVBS.
- 3. Screen Type**  
If you have a TV set with the 4:3 picture format and the transmission is in 16:9, you can select 4:3 letterbox, 4:3 full screen, and 16:9 full screen.
- 4. Banner Time**  
You can select for how long the banner will be shown.
- 5. RF Mode**  
If you get picture but no sound, the RF Mode selecting might be wrong.
- 6. RF Channel**  
Select this alternative if you have to change the RF channel.
- 7. Local Time**  
You can set your local time according to your location.
- 8. Menu Transparency**  
Give the variable transparency on Video and OSD screen.
- 9. Change PIN Code**  
From here you can change the PIN code from the standard 0000.  
**DO NOT FORGET IT! Without it, you are not able to access to any of the functions where the code is required.**  
Note  
If you forget the PIN code, press the RGYB(Color) button in sequence.  
(i.e. Red → Green → Yellow → Blue button) The PIN code will be changed to 0000.
- 10. Parental Lock**  
If you select **On**, you may need PIN code every time you select the lock channel program as you set in the channel control.
- 11. Receiver Lock**  
If you select **On**, you will have to enter the PIN code every time you start the receiver from standby.
- 12. Menu Lock**  
If you select **On**, you will have to enter the PIN code every time when you enter the Menu.
- 13. Auto Power**  
If the Auto Power is set to **On** and power is off, the Set turns on automatically and turns into the channel mode which you were watching before power breakdown.
- 14. Factory Reset**  
Use this option only if you have to start the complete installation procedure from scratch. If you continue from here, all your previous settings and all channels will be cleared. The default data will be loaded.
- 15. OTA Upgrade**  
To set up OTA Upgrade. It is possible to set up OTA upgrade manually or automatically.
- 16. System Information**  
Displays the system information

### CA System

The menus are provided by Smartcard.

Your receiver is equipped with one Smartcard slot, Plug in the appropriate a valid Smartcard. You will then have access to the respective scrambled and Pay-Per-View services.

Insert the Smartcard into the Slot on the front panel.

If you insert the Smartcard into the Smartcard slot then you can watch you selected channel.

### Common Interface (option)

The menus are provided by the CA module and its smart card.

Your receiver is equipped with two slots of Common Interface(CI), accepting both Type 1 and Type 2 PCMCIA modules(see diagram below.). Plug in the appropriate CI module together with a valid smart card. You will then have access to the respective scrambled and Pay-Per-View services.

Insert the smart card into the CI module, and the CI module into the slot behind the flap on the front panel. The CI and smart card modules determine the programs that can be de-scrambled. This receiver supports two CI slots so you can plug in two different modules, automatically provide access to both services.

### Utility

You can use **Utility** menu which is various. (**Game, Demonstration, Calendar, Zoom, Calculator**)

## Troubleshooting

Problem	Solution
No display LED on the front panel. No power supply	Power cord plug in correctly.
No Picture	Ensure that the STB is switched on. Check connection and correct. Check channel and video output and correct
Poor picture quality	Check the signal level, if this is low then try adjusting the alignment of your dish.
No Sound	Check the volume level of the TV and STB. Check the mute status of the TV and STB. Check the connection of audio cord.
Remote Control does not operate	Point remote control directly towards the receiver. Check and replace batteries. Check that nothing blocks the front panel.
Service is not running or scrambled	Check the whether the Common Interface module and smart card is correctly inserted. Check that the smart card is appropriate for the selected service.
You have forgotten your secret PIN code	Refer to Change PIN code of this owner's manual.