Front Panel
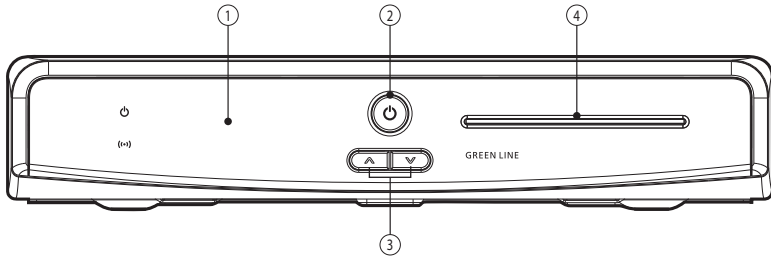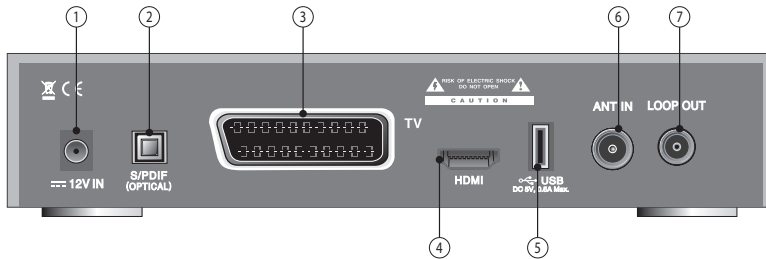
1. **DISPLAY.**
   4-digit 7-segment display for channel information.
2. **STAND BY(POWER)**
   Switch the receiver power "ON" or "OFF".
3. **CH ▲/▼ (Program ▲/▼)**
   Channel Up/Down or select item of sub-menu.
4. **Smart card Slot**
   1 Slot for smart card (insert with chipside to up).

Rear Panel

1. **12V IN**
   Power supply connection.
2. **S/PDIF(Optical)**
   To connect a digital amplifier output.
3. **SCART FOR TV**
   Connect this port to the TV via SCART cable.
4. **HDMI/DVI**
   Use the HDMI cable to connect this jack to the HDMI jack on your television for the best quality picture.
5. **USB**
   Connect the USB memory with USB cable.
6. **ANT IN**
   To connect the digital CATV RF in Signal.
7. **LOOP OUT**
   Used to connect a RF signal from the STB to either the RF input jack on your television or to the next STB.
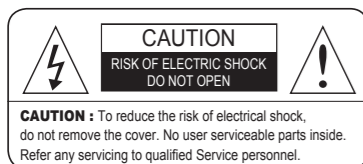
Note

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

Please read the entire manual thoroughly and retain it for future reference.
The company will not take any responsibility for accidents or damage resulting from careless handling by the user.

User's Manual

Digital Cable Receiver

General Safety

Warning

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION : To reduce the risk of electrical shock, do not remove the cover. No user serviceable parts inside. Refer any servicing to qualified Service personnel.
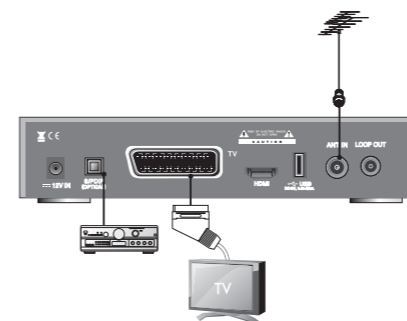
• Always follow these instructions to avoid the risk of injury to yourself or damage to your equipment.
• Unplug the receiver from the AC power outlet before cleaning.
• Use only a damp cloth for cleaning the exterior of the receiver.
• Do not use accessories or attachments not recommended by the receiver manufacturer as they may cause problems to the equipment and will avoid 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.
• Do not keep the apparatus in the following situations: Doing so might cause Problems.
  - where is it too hot or cold.
  - where there is high humidity.
  - where there are excessive temperatures, for example in front of aiconditioners or heating vents.
  - where there is dust or soot
  - in confined areas where the heat cannot be released.
  - where it is exposed to directly sunlight.
• 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 avoid warranty.
  Refer all servicing to authorized service personnel.

Connection

1. **To connect Cable Antenna**
   Connect the antenna cable to ANT IN.

2. **To connect TV / VCR**
   Connect SCART cable to the receiver.

3. **To connect Digital Audio System**
   Connect S/PDIF coaxial cable to a digital amplifier.

4. **Loop Through**
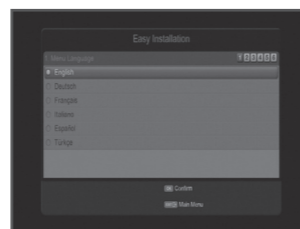   Connect coaxial cable to the Loop Through on the STB and connect the other STB, or a TV (analog).

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. **Screen Type**
   Choose your picture format (16:9 / 4:3 Pilar Box / Full Screen)

3. **Local Time**
   You can set your local time according to your location.

4. **Channel Search**
   You can search the channels according to the Automatic or Manual mode.

Menu Guide

Basic Function

1. **Program Information Banner**
   If you press the INFO button, you will see the information box.

Note
If you press the button below, the banner will be displayed like the following.
1. **Right** button → **Next** information banner.
2. **INFO** button → **Channel** information banner.

2. **Teletext**
   Press the **Teletext** button to select the **Teletext**.
   Sub-T (subtitle)
   Press the **SUB-T** button, then you can see the subtitle menu. Press arrow up or arrow down button and set the function subtitle with the **OK** button on or off.

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.
   Timer Setting screen to select the date and time.(The PIN Code is required if Menu Lock is On)

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, press **OK** and then use the **SUB-T**(Red) button.
   The channel list moves in the following sequence :
   ALL → Favorite from **1** to **8 → Lock**
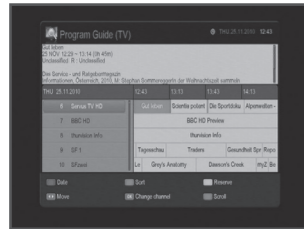
Edit Channel List

From these menus, You can edit favorite lists, lock, skip, delete, or move channel. Access about the Menu button, Edit Channel List, OK, PIN Code (default 0000) and the red button.

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 your children from watching.

3. **Skip Channel**
   You can skip TV or Radio channel from the current list.

4. **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

Select "*Program Guide*" in the main menu with the *UP/DOWN* buttons and press the *OK* button.

1. Grid EPG Program Guide
• Press *UP/DOWN* buttons to change channels. You can find out channel Information at top screen.
• Press *OK* button, you can charge channel as well.
• Press *LEFT/RIGHT* buttons to check the existing EPG info as per its time.
• In case detailed info content is too long to check, you can check its information as a long lists form, and resize its lists by pressing *BLUE* button.
• Press *GREEN* button in oder to sort channel lists.

2. Reservation from EPG
• Selects the desired program to be reserved from the EPG screen.
• Pressing the *YELLOW* button will open the *Reserve* window.
• Press *OK* buttons to select mode *Once*, *Daliy*, *Weekly*, or *Off*.

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. SD Video Output
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. Local Time
You can set your local time according to your location.

6. Menu Transparency
Give the variable transparency on Video and OSD screen.

7. 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**.

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8. Channel 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.

9. Receiver Lock
If you select *On*, you will have to enter the PIN code every time you start the receiver from standby.

10. Menu Lock
If you select *On*, you will have to enter the PIN code every time when you enter the Menu.

11. Parental Control
Parental Control enables you to place certain restrictions on the viewers by setting age limits. The password is required to view the blocked programmes.
Press the *UP/DOWN* button to select to the desired option and press the *OK* button.

12. S/PDIF Output
You can hear digital audio of the Dolby 5.1 channel using S/PDIF Output.
• If selecting OFF, the digital audio will not be output.
• When selecting PCM, the unzipped digital audio is output through S/PDIF.
• When selecting Dolby Digital, if the current channel is a Dolby audio channel, the zipped Dolby stream is output through S/PDIF.

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.
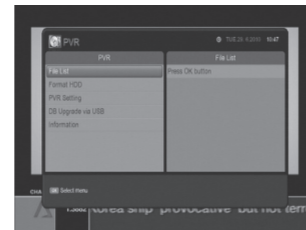The default data will be loaded.

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

PVR

Connect a USB memory device to the receiver by using the USB port and select "Information" in "PVR Menu."

• **File List** : Displays the recorded files.
It plays the image that has been recorded on File List.
When you press the **Yellow** button on File List, you can select File List or Image Viewer. (Only JPG format available) In order to see a JPG image, press the **Yellow** button and select Image Viewer. You cannot see JPG images on File List.

• **Format HDD** : Formats the hard disk. When you format the hard disk, the KaonPVR folder is created.

• **PVR Setting**
 - **Default HDD Volume**
 To set default HDD Volume.
 If HDD has one partition, you can set for Volume 0.
 If HDD has two partition, you can set for Volume 1.
 - **Default Record Duration**
 To set the default record duration.

 - **Instant Replay**
 Press the replay button to jump back and play from that location. When the replay is completed the program will play from the current point.
 You can set the replay time interval by using the PVR Setting menu.
 - **Commercial Skip**
 Press the skip button to jump forward and play from that location. When the skip is completed the program will play from the current point.
 You can set the skip time interval by using the PVR Setting menu.
 - **Recording Notify Duration**
 To set duration icon appears.
 - **Time Shift**
 To select Time Shift Off or On.
 - **Time Shift Recording Time**
 To set recording Time.

• **Information** : Displays information of hard disk that is connected to the receiver.

CA System (Option)

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. (Chip side down)
If you insert the Smartcard into the Smartcard slot then you can watch you selected channel.
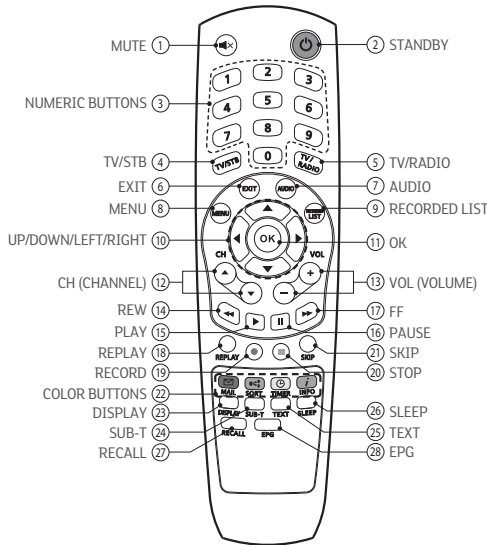
Utility

You can use *Utilty* menu which is various. (*Calendar*, *Mail Box*)

Troubleshooting

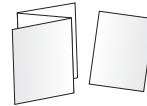| Problem	Solution
No display LED on the front panel. No power supply	Power cord plug in correctly.
No Picture	Ensure that the STB is switched on. Check connection and correct. Check channel and video output and correct
Poor picture quality	Check the signal level, and the antenna cable.
No Sound	Check 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.

Remote Control Unit

MUTE ①
NUMERIC BUTTONS ③
TV/STB ④
EXIT ⑥
MENU ⑧
UP/DOWN/LEFT/RIGHT ⑩
CH (CHANNEL) ⑫
REW ⑭
PLAY ⑮
REPLAY ⑱
RECORD ⑲
COLOR BUTTONS ㉒
DISPLAY ㉓
SUB-T ㉔
RECALL ㉗

② STANDBY
⑤ TV/RADIO
⑦ AUDIO
⑨ RECORDED LIST
⑪ OK
⑬ VOL (VOLUME)
⑰ FF
⑯ PAUSE
㉑ SKIP
⑳ STOP
㉖ SLEEP
㉕ TEXT
㉘ EPG

Accessories

User's Manual   Remote Control

AAA Batteries   RCA Cable
(2pcs)

1 **MUTE**   Press to enable or disable audio.
2 **STANDBY**   Press to switch between operation and standby mode.
3 **Numeric buttons**   Press to select the channel and enter the channel edit and PIN code.
4 **TV/STB**   Press to switch between TV and STB receive mode.
5 **TV/RADIO**   Press to switch between TV and Radio.
6 **EXIT**   Press to return the normal viewing mode from a menu.
7 **AUDIO**   To select the sound mode. (Mono, Left, Right, Stereo)
8 **MENU**   Press to display the main menu on the screen or return to the previous menu.
9 **RECORDED LIST**   To open the recorded list screen.
10 **▲/▼/◄/► (Arrow buttons)**
                         Press to move the cursor to the up, down, left or right menu option. You can also increase or decrease the volume by pressing the ◄ or ► button.
11 **OK**   Press to selects a menu, or confirms the selected operation.
12 **CH (Channel)**   Press to change the channel.
13 **VOL (Volume)**   Press to adjust the volume.
14 **REW**   Used for rewinding.
15 **Play**   Used for playing files.
16 **Pause**   Used for pausing files.
17 **FF**   Used for fast-forwarding.

18 **REPLAY**   Press to jump back and plays from that location.
19 **Record**   Saves the current channel to the external HDD.
20 **Stop**   Used for stopping record or play.
21 **SKIP**   Press to jump ahead in a recording.
22 **Color buttons**
     Red button(MAIL): To select button in the On Screen Display(OSD).
     Green button(SORT): To sort channel list. To select button in the On Screen Display(OSD).
     Yellow button(TIMER): To display the reserved list. To select button in the On Screen Display(OSD).
     Blue button(INFO): Shows the information field To select button in the On Screen Display(OSD).
23 **DISPLAY**   If you press shortly: To change resolution of HD picture (1080i, 1080p, 720p, 576p). If you press long: To change screen size.
24 **SUB-T**   Press to enable or disable subtitle.
25 **TEXT**   Press to see the teletext by OSD. (Option)
26 **SLEEP**   Press more times to select a present time interval for automatic shut off.
27 **RECALL**   Press to return to the previous channel.
28 **EPG**   Press to display the TV/radio program guide.

Note
1. When inserting batteries, make sure that the polarity (+/-) is correct.
2. The design of the Remote Control Unit may be changed without any notice in advance.