

Contents

Notices	3
Installing Receiver	5
1. Package Content	5
2. Product Overview	5
3. Remote Control	8
4. Connections.....	9
1) Connecting Satellite Cables	9
2) Connecting the TV	10
5. How to Install	11
1) Starting up	11
2) Installation	11
3) Dish Setting & LNB Setting	12
4) Search Channel Services	12
5) Language.....	13
6) Time and Date	13
7) Audio & Video Settings	13
8) OSD Setting.....	14
9) Multimedia	14
10) Network Configuration	15
11) Power Management.....	16
12) System Information	16
6. Menu Structure	16
1) Main Category	16
2) Sub Category (SYSTEM).....	17
Basic Operation	18
1. Channel Navigation	18
2. Volume Control	18
3. Audio Language Control	18
4. Program Information (Information Banner).....	18
5. LED Display	19
6. Resolution / Display Format Setting.....	19
7. Sleep Timer	20
8. Subtitle	20
9. Teletext.....	20

10. Standby mode	21
Service List	22
1. Using Channel Up/Down [CH+/CH-] buttons	22
2. Service (Channel) List	22
3. Edit Services (Channels)	22
4. Edit Favorite List	23
5. Edit Transponder List	23
EPG (Guide)	23
Multimedia	24
1. File Sharing with PC	24
2. External USB Devices	24
Portal	25
HbbTV	26
Copyright - GNU GPL	27

Notices

Warranty

The warranty does not cover parts which may become defective due to misuse of the information contained in this manual. Read this manual carefully and make sure you understand the instructions provided.

Symbols



Do not remove any cover (or back) in order to reduce the risk of electric shock.
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.

Warnings

- Pay special attention to the following marks that indicate hazardous situations throughout the whole manual.
- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- To avoid explosion danger, do not dispose of batteries in an open fire.
- The mains plug is used as the disconnect device. The disconnect device shall remain readily operable.
- Each USB port can provide max. 5V 500mA. The performance of any appliances which consume more than 5V 500mA cannot be guaranteed even if external power applied.

NOTE: For Home and Personal Use:

This product is intended to be used for recording and playback for your home and personal enjoyment. Copying and commercial use of copyrighted material without permission of the copyright owner may be prohibited by law.

Use of this product, in compliance with all copyright and applicable intellectual property laws, remains the responsibility of the user of the product.

WEEE Consumer Notice



This product should not be disposed with other household wastes at the end of its working life.

This product is subject to Directive 2002/96/EC of the European Parliament and the Council of the European Union on waste electrical and electronic equipment (WEEE) and, in jurisdictions adopting that Directive, is marked as being put on the market after August 13, 2005, and should not be disposed of as unsorted municipal waste. Please contact either the retailer where you purchased this product or their local government office for details of where and how they can take this item for environmentally safe recycling.

Safety Precautions

This digital set top box has been manufactured in accordance with international safety standards. You should read the notes on safety precautions carefully before operating the set top box, for your own safety. Please be sure to follow these safety precautions.

- This product is for indoor use in moderate climates only.
- The supplied AC power cable must be used to power this product. If the power cord becomes damaged, it must be replaced. Always refer to qualified personnel.
- Check to make sure operating voltage of the product is identical with your local power supply, prior to connecting it to the power socket.
- To prevent fire or shock hazard, do not place the product near objects filled with liquids, or near dripping or splashing liquids.
- Install the product so the AC power cable can be unplugged from power socket immediately, in the event of a problem.
- The unit should not be placed near sources of open flame. No open flame sources, such as candles, should be placed on the unit.
- Should any solid object or liquid fall into the cabinet, unplug the product and have it checked by qualified personnel before operating it any further.
- Proper grounding: For protection from lightning and static discharge the antenna connected to this set top box must be connected to earth ground. The proper grounding can be achieved by connection to the earth ground system of your house/building, or by a qualified installer.
- Do not expose the product to high temperatures, such as placing it on top of other product that produce heat or in places exposed to direct sunlight or spot lights.
- The ventilation slots on top of the product must be left uncovered to allow proper airflow into the unit. Do not stand the product on soft furnishings or carpets. Do not stack electronic equipment on top of the product.
- Do not place the product in a location subject to extreme changes in temperature. The temperature gradient should be less than 10 degrees C/hour.
- Place the product in a location with adequate ventilation to prevent the build-up of heat inside the product. The minimum ventilation space around the unit should be 7 cm. The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table cloth, curtains, etc.
- The product is not disconnected from the AC power source (mains) as long as it is connected to the power outlet or wall socket, even if the product is turned off.
- If the product will not be used for a long period of time, disconnect it from the AC power outlet or wall socket.

Trademarks

- **Dolby Digital:** Manufactured under license from Dolby Laboratories. 'Dolby' and the 'double-D' symbol are trademarks of Dolby Laboratories.
- **MP3:** MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson

Note

Installing Receiver

1. Package Content

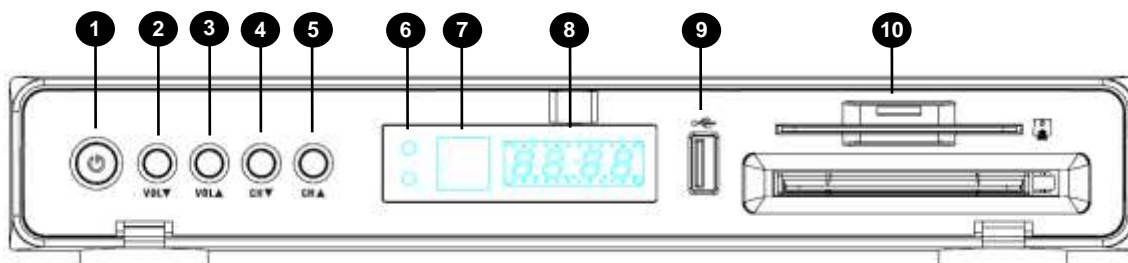


- Set top box
- Remote Control & Batteries
- HDMI Cable (Option)
- DC Power Adapter
- User Manual

Note: The accessories may differ from above picture.

2. Product Overview

- The front panel of the Set top box has buttons to control the Set top box, and specific lamps and a display to indicate its status. The following indicates what they mean.

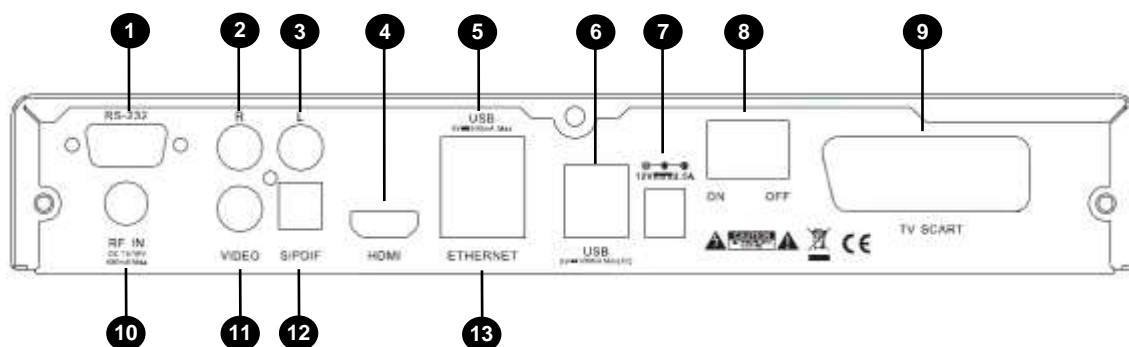


- ① Power: To switch Set top box in and out of standby mode.
- ② VOL▼: Volume control
- ③ VOL▲: Volume control
- ④ CH▼: Switches channel
- ⑤ CH▲: Switches channel
- ⑥ LED: Power indicator
- ⑦ IR in: Receiver of Remote Control
- ⑧ Front display: Displays the current service in operation mode.
- ⑨ USB: Connect a USB storage device
- ⑩ Smartcard reader slot: Smartcard slot is provided

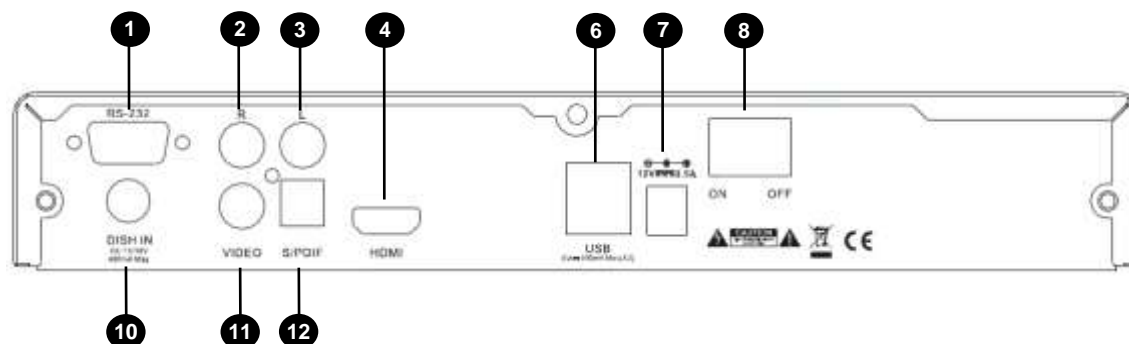
The Set top box has a wide range of connections on the back.

Check what connections your television has in comparison with the digital receiver.

[with SCART model:]



[without SCART model:]

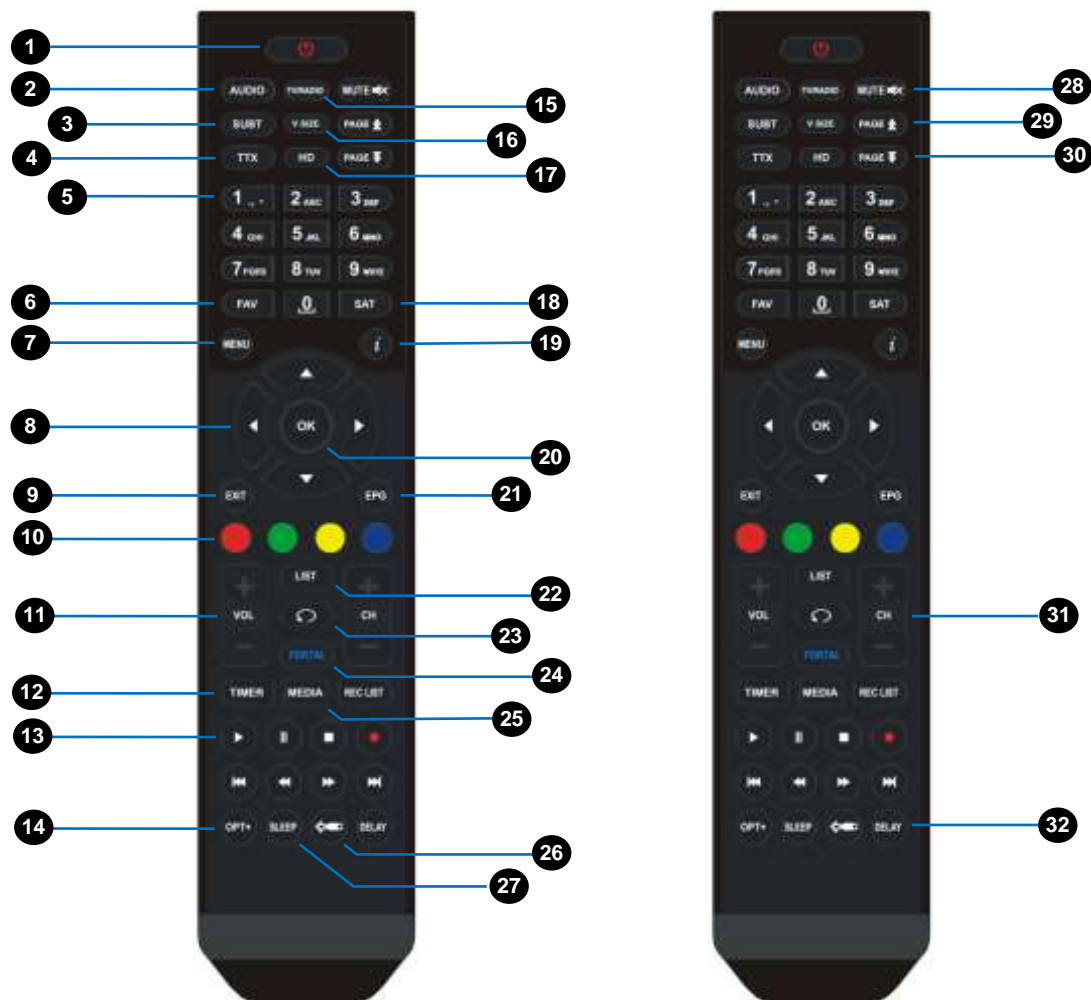


- ① RS 232: RS232 serial data port. (Option)
- ② AUDIO R: Stereo audio output socket for the television set or the audio-video receiver (red).
- ③ AUDIO L: Stereo audio output socket for the television set or the audio-video receiver (white).

- ④ HDMI: Audio and video output socket for the high definition television set.
- ⑤ USB: Connect a USB storage device
- ⑥ USB: Connect a USB storage device
- ⑦ DC IN: Connect the detachable DC power adapter
- ⑧ POWER ON/OFF SWITCH: Control power on and off.
- ⑨ TV SCART: Audio and video output socket for the television set.
- ⑩ RF IN (DISH IN): Satellite broadcasting signal input socket for the first tuner (Current: Max.400mA with overload protection).
- ⑪ VIDEO: Composite video output socket for the television set (yellow).
- ⑫ S/PDIF OPTICAL: Optical-type digital audio output socket for the audio-video receiver.
- ⑬ ETHERNET: Local area network port.

Note: The image shown may differ from the actual product.

3. Remote Control



- ① **POWER:** To switch the receiver in and out of stand-by mode.
- ② **AUDIO:** Displays the audio track.
- ③ **SUBT:** To select a subtitle language for the viewing program, if serviced.
- ④ **TTX:** To display teletext service on the screen in viewing mode, if serviced.
- ⑤ **0~9, Numeric buttons:** Enters a service number for service change or to specify values for menu options.
- ⑥ **FAV:** Shows your favorite list. In this menu you can choose your favorite list items.
- ⑦ **MENU:** To display Main menu screen at once.
- ⑧ **▲▼◀▶, Arrow buttons:** Navigates up/down and left/right on the menu options.
- ⑨ **EXIT:** Exits a menu or hides on screen info.
- ⑩ **RED/GREEN/YELLOW/BLUE:** Functional buttons that is defined respectively by the feature of menu.
- ⑪ **VOL+/VOL-:** To increase or decrease the volume.
- ⑫ **TIMER:** Displays recordings by timer list.
- ⑬ **Player buttons**
 - ▶: Play.

II: Pause.

■: Stop.

<<: Backward skip.

<<: Rewind (Backward trick play).

>>: Fast forward (Forward trick play).

>>I: Forward skip.

⑭ **OPT:** To select service options.

⑮ **TV/Radio:** To switch between TV and Radio services.

○,16 **V SIZE:** To change size of video

○,17 **HD:** To change resolution of video

○,18 **SAT:** Shows your satellite list. In this menu you can choose your satellite.

○,19 **Info:** Displays the service information box. It is also used to display more information about a program.

○,20 **OK:** Confirms the selected menu option.

○,21 **EPG:** Displays the program guide for the available channels.

○,22 **LIST:** Channel list in live mode.

○,23 **BACK:** To switch between the current service and the previously viewed one. If pressed when the menu is already shown, it gets one step backward the menu.


○,24 **PORTAL:** Enters Portal service.


○,25 **MEDIA:** Displays Multimedia menu.

○,26 **Remove USB:** To remove inserted USB device.

○,27 **SLEEP:** To set sleep timer.

○,28 **Mute:** Mutes the audio.

○,29 **PAC**  : To toggle up the pages.

○,30 **PAC**  : To toggle down the pages.

○,31 **CH+ /-:** To switch between programs (channels).

○,33 **DELAY:** To delay transport stream (Option)

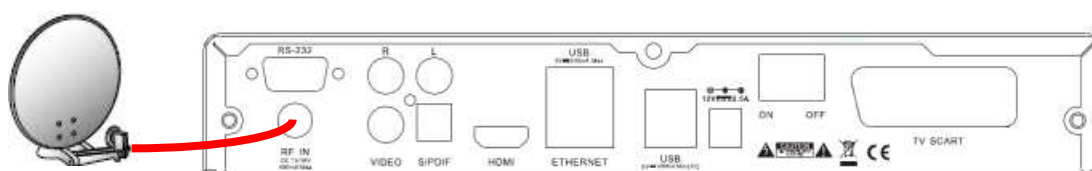
Note: The image shown may differ from the actual product.

4. Connections

1) Connecting Satellite Cables

A. Satellite Cables

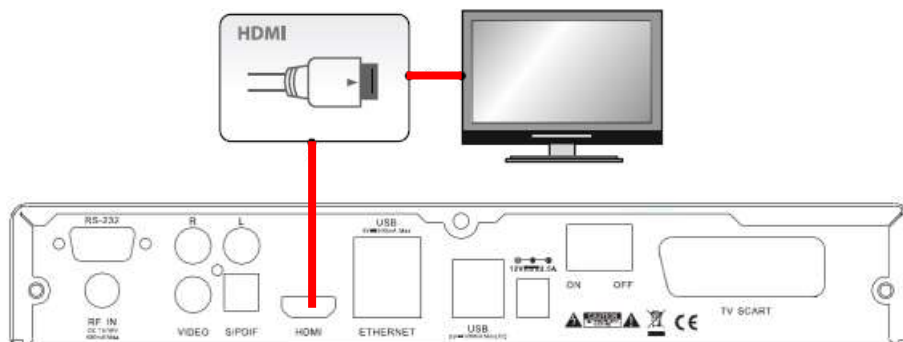
Connect the cable to RF IN (DISH IN) input.



2) Connecting the TV

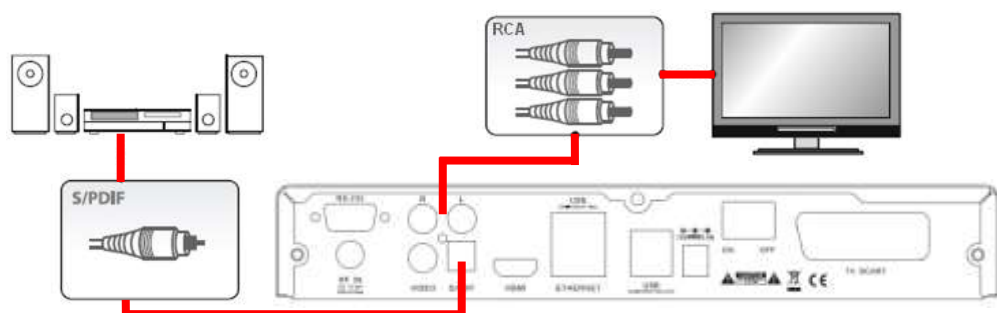
A. Connecting TV via HDMI cable

For the sake of the best picture quality, especially for digital TV, HDMI connection is recommended. Most HDTVs have HDMI connectors to ensure the highest picture quality. IN the rear panel of Set top box one HDMI connector is available for this purpose. Connect your TV to Set top box using a HDMI cable as follows.



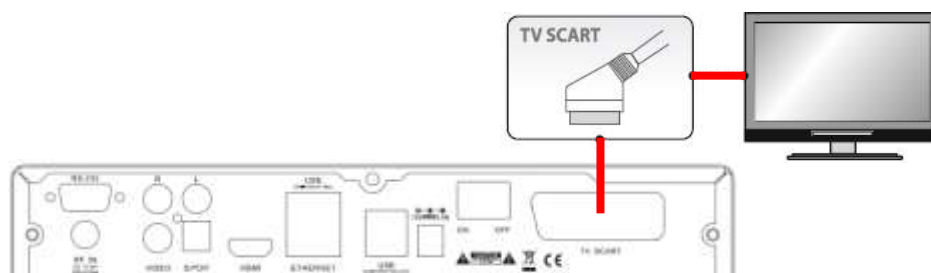
B. Connecting TV via Component Cable and S/PDIF Cable

This secondly recommended TV connection for TV is via Composite cable. Set top box provides Composite video has normally three connectors at the both end; one Video (Yellow) and two Audio (White / Red). Connect your TV to Set top box as follows. To use the audio amplifier connect S/PDIF cable instead of two Audio cables.



C. Connecting TV via SCART cable (with SCART model only)

In case your TV is analogue TV, SCART cable is the most common method. Connect your TV to Set top box using SCART cable as follows.




5. How to Install

Note: The image shown may differ from the actual product.

1) Starting up...

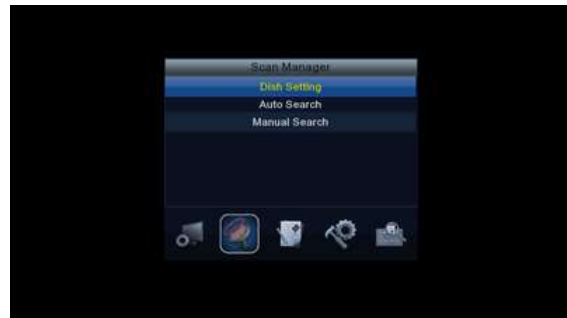
Now that you have your digital receiver connected. Ensure that your television set is turned on, so that you will be able to see the display from the digital receiver.

And press  button on the top left corner on the remote control then you may see a welcome screen. Please wait until the progress bar becomes 100%.




2) Installation

To configure your equipment (satellite dish and LNB) you will need to adjust following sub-lines under **Scan Manager** menu.



3) Dish Setting & LNB Setting


You can choose tuner configuration types in **Dish Setting**.

Please press  button to edit dish configuration.

Please select the switch type and connect satellites into port.



4) Search Channel Services

Once you have completed all settings in Automatic or Manual Scan menu, press  Start Search button.



Please wait until the progress bar becomes 100% and displays the "Scan done." message.

If you received the "Scan done" message, then you have completed basic settings to start watching / listening to.



5) Language Setting

You can select your proper main **Language** from the list.

Select the **Menu > SYSTEM > System Settings > Language Setting** menu.

Move selected bar by using the [▼/▲] button to find right main Language.

You can also select the **Language** of audio track and of subtitle track.



6) Time and Date (Ethernet model only)

You may update local **Time and Date**.

Select the **Menu > SYSTEM > System Settings > Miscellaneous > NTP Server Setting** menu. You can select the city and apply with RED button. Time and Date will be set automatically by TOT, carried as part of the digital television broadcast.



7) Audio & Video Settings

You have to configure the **Audio and Video Settings** appropriately for your television set and other appliances.

Select the **Menu > SYSTEM > System Settings > Audio & Video Setting** menu.



8) OSD Settings

You can adjust on screen display at **OSD Settings** menu. Select the **Menu > SYSTEM > System Settings > OSD Setting** menu.

You can set desired OSD through several options like below picture.



9) Multimedia

Select the **Menu > SYSTEM > System Settings > Multimedia** menu. You can adjust subtitle synchronization and color under **Multimedia** menu.



You can also change the **Font Size** and **Decoration**.



10) Network Configuration (Ethernet model only)

Set top box is integrated with standard 10/100Mbps Ethernet with RJ 45 connector. You are recommended to use this network capability of Set top box to fully enjoy the system. You can set up the network settings through **Network Configuration** menu.

Select the **Menu > NETWORK > Network Configuration** menu.

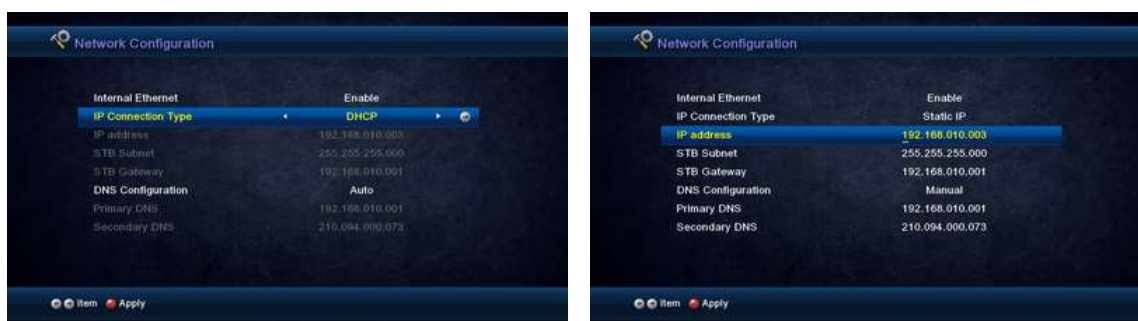


In the **Network Configuration** menu, you will see sub menus as following picture.

The easiest way to configure the network settings is to assign a dynamic IP address to the digital receiver by setting the IP Connection Type option to **DHCP**. It will automatically detect the correct IP address.

When the digital receiver is restarted, the dynamic IP address could be changed more often than not, and you will have to check what it is to access the digital receiver. To avoid this cumbersome thing, you had better assign a **Static IP** address rather than dynamic one.

To assign a static IP address, set the Connection Type option to Static, then the IP Address, Subnet Mask, Gateway, Primary DNS and Secondary DNS options become enabled. You have to set these options to match with the configuration of your router.



11) Power Management

Set top box is designed to be energy efficient and to guarantee the power consumption to be under 0.5Watt in the **Green Power** mode.

You can minimize the standby power consumption to below 0.5Watt.



12) System Information

This menu is for you to check the current system of your Set top box. You can see the following information.



6. Menu Structure

1) Main Category



Note: The menu items and structure may be changed without notice.

2) Sub Category (SYSTEM)

System setting	Language Setting
	Multimedia
	Video Setting
	Audio Setting
	OSD Setting
	Parental Lock (Initial password : 0000)
Scan Manager	Dish Setting
	Auto Search
	Manual Search
DB Manager	Satellite
	Channels
	Transponders
Miscellaneous	NTP Server Setting (Ethernet model only)
	Network Configuration (Ethernet model only)
	Power management
	Standby Control
	Factory Reset
Others	Software Information
	Software Upgrade

Basic Operation

1. Channel Navigation

You can change the channels in a few ways.

- Press the **CH+/CH-** button.
- Enter the channel number directly. **(0-9)**
- Go to the channel list or TV guide and select a channel.
- Press the **TV/Radio** button to switch between TV and radio channels.
- Press the **BACK** button to return to the previous channel.

2. Volume Control

You can adjust the volume as follows.

- Press the **VOL+/VOL-** button to adjust the audio volume.
- Press the **MUTE** button to stop the audio temporarily.

3. Audio Language Control

Audio options are available only when the program supports multiple audio languages.

- Press the **AUDIO** button.
- Select the audio language.
- Select the audio direction.
- Press the **OK** button.

4. Program Information (Information Banner)

Program information is always displayed for a certain period of time whenever you switch channels. You can view the program information by pressing the **Info** button while watching a program. Press the **EXIT** button to hide the information banner.



5. LED Display

Set top box has a LED segment display.

It is a 4-digit 7 segment LED displaying channel names and program information.



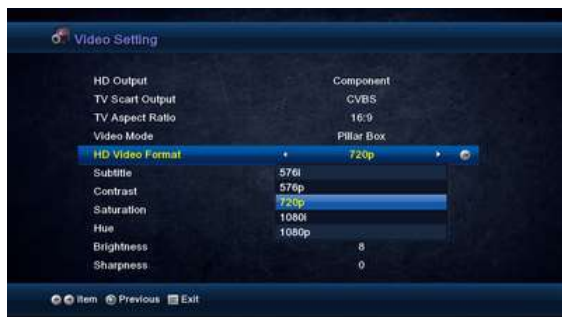
6. Resolution / Display Format Setting

You can decide which resolution and Display Format to use according to the video output and your TV.

High definition television

The digital receiver supports various video resolutions from 576 to 1080. In general, a resolution of 720 or more is considered high definition. The higher the resolution is, the better the quality is. However, if your television set does not support high definition, you cannot enjoy high definition quality picture.

Set the Video Format option as you desire. If you set this option to 576P, the digital receiver will present even high definition programs in resolution of 576. On the contrary, if you set it to 1080P, the digital receiver will present even standard definition programs in resolution of 1080.



Audio and Video settings

You have to configure the audio and video settings appropriately for your television set and other devices. Go to the **Menu > SYSTEM > System Setting > Audio & Video Setting** menu. Here you will find options necessary to set up the audio and video configuration of your Set top box.

Basically, there are two audio sources as you can find two audio sockets on the back panel of the digital receiver. You can enjoy only one source or both of them in either stereo (Left/Right) or mono.



The digital receiver can output two types of digital audio signals via S/PDIF connector. One is an encoded signal

and the other is a decoded signal.

If your digital audio system does not have a Dolby Digital decoder, you have to set the Dolby Digital option to off. Otherwise, set it to Dolby Digital or Uncompressed.

7. Sleep Timer

Press the **SLEEP** button to set the automatic turn off time.

Each time you press this button, the value changes.



8. Subtitle

You can select the subtitle language when subtitle information is provided.



9. Teletext

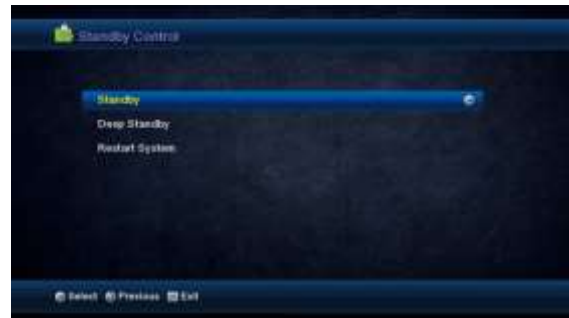
Teletext is a free service broadcast which gives the latest information on news, weather and many other topics. You can use interactive services in teletext mode using **TEXT** button.



10. Standby mode

You can put the receiver in standby mode to reduce the power consumption while the unit is not in use. The standby mode turns off some parts of the receiver, but does not fully turn off the receiver, allowing it to start up again very quickly when the unit is turned on. When in standby mode, the standby LED indication will be shown on the front panel.

Select the **Menu > SYSTEM > System Setting > Miscellaneous > Standby Control** menu. And set the Standby Mode option.









Service List

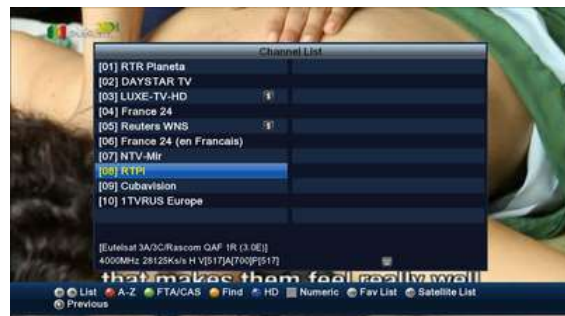
1. Using Channel Up/Down [CH+/CH-] buttons

You can navigate between channels by pressing channel Up/Down [CH+/CH-] buttons. Whenever you press the CH+/CH- button, current channel will be changed to next / previous channel.

2. Service (Channel) List




To select the desired channel in the service list, you should firstly display the service list pressing **OK** button. Use **ARROW** [▲/▼/▶/◀] buttons to select a desired channel and press **OK** button. You can use features defined by color icon as follows.

-  A-Z sort
-  FTA/CAS sort
-  Find
-  HD
-  Favorite list
-  Satellite list



3. Edit Services (Channels)

You can use features defined by color icon as follows.

-  Lock
-  Delete
-  Move



4. Edit Favorite List

You can use features defined by color icon as follows.



Add channel to FAV



5. Edit Transponders List

You can update the TP (Transponder) parameter of satellite by yourself.



Edit



Add



Delete



EPG (Guide)

The TV guide is an on-screen guide of grid type which displays the program information of channels in time and date order using **EPG** button.

Press the **BACK** button to return to the previous screen.



Multimedia

Set top box is truly a multimedia receiver capable of playing media contents. Using Multimedia Menu, you can enjoy Music, Photo and Video contents stored on the internal HDD and/or an USB memory stick plugged into Set top box.



1. File Sharing with PC (Ethernet model only)

You can have access to FTP Set top box server and play the video, music, or photo files. To connect to a Set top box, the receiver must be connected to the local network.

2. External USB Devices

Go to Multimedia > Storage List, you can find storage list connected your Set top box as follows.

- External USB: Displays each partition of the external USB.



Portal

Set top box is integrated with standard 10/100Mbps Ethernet with RJ45 connector. You are recommended to use this network capability of Set top box to fully enjoy the systems. If your Set top box network connection is established, you can enjoy various features from a designated portal of Set top box. You can enter into this Portal Menu by pressing **PORTAL** button or selecting 'PORTAL' in the menu.

The Portal services will be upgraded with more features in the future.

HbbTV

Hybrid Broadcast Broadband TV or “HbbTV”, is a major new pan-European initiative aimed at harmonizing the broadcast and broadband delivery of entertainment to the end consumer through connected TVs and set-top boxes. You can enjoy the interactive services on the channels supporting HbbTV.

By pressing RED button in the lower-right hand corner while watching the HbbTV supporting channels, you can enter into TV Catch-Up website.



Copyright - GNU GPL

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright © 1989, 1991 Free Software Foundation, Inc.

51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term

"modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
- b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
- c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

- a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
- b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of

- the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
- c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted

interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM “AS IS” WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS