



# User's Manual

## High Definition Digital Satellite Receiver



Email/ 3G/Wifi/ Web Browser/ Youtube  
Enigma2/ BLACK HOLE/ OPENPLI/ VTI/ OpenVix/ IPTV/ XBMC

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### SAFETY PRECAUTION

#### CAUTION:



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to "dangerous voltage" and to prevent from a risk of electric shock.



**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN

**Warning:**  
To reduce the risk of electric shock, don't open the cabinet. Refer servicing to qualified personnel only.



The exclamation point within an equilateral triangle is intended to alert the user to important operating and maintenance (servicing).

**WARNING:** Do not use this STB where contact with or immersion in water is a possibility. Do not use near flower vase, washbowls, kitchen sinks, laundry tubs, swimming pools, etc.

**WARNING:** Do not put the candle or lamp stand on the cabinet; otherwise, there is the danger of fire.

**WARNING:** The unit should be connected to a power supply only of the type described in the operating instructions or as marked on the unit. If you are not sure of the type of power supply (for example, 120 or 230 V) to your home, consult your local dealer or local power company.

**WARNING:** This product installs diodes. Do not open the cabinet or touch any parts in the inner mechanism. Consult your local dealer for technical service if the opening is required.

**Note: To ensure proper use of this product, please read this User manual carefully and retain for further reference.**

**Note:** This product installs diodes. Do not open the cabinet to avoid the unit direct exposure to radiation.

**Unit Cleaning:** After the unit power is turned off, you can clean the cabinet, panel and remote control With a soft cloth lightly moistened with a mild detergent solution.

**Attachments:** Never add any attachments and/or equipment without the manufacturer consent; as such additions may result in the risk of fire, electric shock, or other personal injury.

**Locating:** Slots and openings in the cabinet are provided for ventilation to protect it from overheating. Do not block these openings or allow them to be blocked by placing the STB on a bed, sofa, or other similar surface, nor should it be placed over a radiator or heat register.

**Power-Cord Protection:** Place the power-supply cord out of the way, where it will not be walked on. Please take special attentions to cords at plugs, convenience receptacles, and the point where they exit from the unit.

**Object and Liquid Entry:** Never put objects of any kind into this STB through openings, as they may Touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill any liquid on the STB.

### FEATURES

- 333 Mhz Mips Processor
- Open-source Linux operating system(Engima2 OS)
- 128MB NAND Flash/384 MB RAM
- MPEG Fully DVB-S/ DVB-S2 HD compliant
- USB Wifi, 3G dongle supported
- Media player powerful multimedia features(Mp3 player, photo slide show)
- Support VTI 5.0, Youtube, IPTV streaming server, Web browser
- True color graphic User Interface
- Downloadable plug-ins supported
- Electronic Program Guide (EPG)
- Subtitle and Teletext supported
- Parental lock facility
- Time Shift and Video Recording
- Software upgrade via USB and Network
- 10/100M Ethernet port connection
- HDMI HD Video/Audio Output
- Two High Speed USB 2.0 ports
- One Embedded Smart Card Reader

### ACCESSORIES

Please check all package contents before using your product.

- Receiver Unit
- Remote control
- User Manual
- HDMI Cable
- Power supply
- Power cable

### PRODUCTION DESCRIPTIONS

- 1.Front Panel
- Remote Control Singal
  - LED

- 2.Rear Panel
- DC: 12V 3A Power supply
  - Power Switch
  - S/PDIF: Connects to a digital audio system using S/PDIF cable
  - LAN: Connects the PC or another set top box of receiver box
  - HDMI: Connects to TV using a HDMI cable for both audio and video signals
  - RS232: data port is provided.
  - LNB 1: In One Satellite cable can be connected.
  - Left Panel USB\*2: Connects the USB memory stick or external HDD

3. Conditional Access
- Amongst the channels that are scanned by the receiver box, some channels can be properly tuned in only with the corresponding Smartcard and/or CAM (Conditional Access Module). The receiver provides one Smartcard Reader. Users need to purchase those Smartcards and CAMs that are required for viewing such subscription based services.

#### Insertion of Smartcard

The receiver box supports Xcrypt. Users need to buy only these Smartcards without having to buy additional CAMs to watch those channels that are encrypted in Xcrypt.

- Open the door on the Bottom side.
- Insert Xcrypt Smartcard as in the following instruction.
- Make sure that the Smartcard remains inserted while
- Switching Channel

If press UP/DOWN key, this will activate Channel Selection Menu as below. Four types of the channel lists are available to help you manage your channel selection.

**RED:** displays the list of all scanned channels.  
**GREEN:** displays the list of all scanned satellites. Per each satellite, channels are arranged according to Services, Provider, and New.  
**YELLOW:** displays the list of providers.  
**BLUE:** displays the list of your favorite channels.

- In order for you to add certain channels to this Favorites' list,
- (1)Call up the Channel Selection list by pressing UP or DOWN key
  - (2)Go to the all list by pressing RED.
  - (3)Select the channel that you want to add to the Fav. List
  - (4)Press MENU key on the selected channel and the following menu appears.
  - (5)Choose "add service to favorites" and press OK.

### BASIC OPERATIONS

1. Media Player  
Menu >Media Player >  
The receiver box is truly a multimedia receiver capable of playing media contents. Using Media Player, you can enjoy Music, Photo and V ideo contents stored on the internal HDD and/or an USB memory stick plugged into receiver box.  
If you play Media Player, the following player will appear.
  - Go into any directory of the HDD or plugged USB.
  - Select a file to play and press OK (\* Supported formats are mainly JPG, MP3, AVI, etc.)
  - The same way, you can play the recording files stored on the HDD.
2. Plug-ins  
Menu >Plug-ins >  
The receiver box is integrated with standard 10/100Mbps Ethernet with RJ45 connector. You are recommended to use this network capability of receiver box to fully enjoy the system. If your receiver box network connection is established, you can directly download plug-ins from internet.
  - Press GREEN and select Plugins menu to active Plugin browser.
  - Press Yellow key to download a list of plug-ins available.
  - Once the download is done, a list of plug-ins will be displayed.
  - Select a plug-in to download.
  - You can check if the download is done properly on the Plugin browserFrom this site, you can check available plug-ins to download.
3. Sleep Timer  
Menu >Black Hole Shutdown >Set sleep timer  
You can set a specific time when your receiver box goes into Standby mode or Deep Standby mode, using this menu. Three color keys are used to set up this sleep timer.
  - RED  
This option is used to enable or disable Sleep T imer.
  - GREEN  
This option is used to choose between Standby mode and Deep Standby mode.
  - YELLOW

This option is used to choose whether to be asked of confirmation before system shut down.

### SYSTEM CONFIGURATION

The receiver box is a very sophisticated device designed to allow users a variety of system setting options as detailed as possible. You can fine-tune your receiver box to be your OWN system to fit your taste. This chapter will guide you through the entire menu of system configuration.

#### 1. Main Menu

Press Menu: The main menu consists of the following sub menus.

- Full Backup
- Personal Backup
- Media player
- EPG Backup
- Timer
- Information
- Plugins
- Setup
- Shutdown

#### 2. System Setup

Menu >Setup >  
The Setup menu consists of the following sub-menus.

- Service Searching
- Systems
- Common Interface
- Common Interface Assignment
- Parental Control
- Factory reset
- Software management
- Cross EPG

#### (1)Service Searching

Menu >Setup >Service Searching  
Here you set up the tuners of your receiver box and run channel scanning automatically or manually.

#### A. Tuner Configuration

Menu >Setup >Service Searching > Tuner Configuration  
If you run the First Time Installation process, the Tuner A is already configured.You can check the information of Tuner A and which satellites are scanned by Tuner A as follows.

#### B. Loading Default Service Lists

Menu >Setup >Service Searching > Default Service Lists  
In case there are service lists available for certain satellites, for example, Astra or Hotbird, you can install the lists in the channel list of receiver box.  
If default service lists are not available, you can run the service scan automatically or manually to add TV and radio channels into the channel list of your receiver box.

#### C. Automatic Scan of Services

Menu >Setup >Service Searching > Automatic Scan  
The easiest way to scan services is to use Automatic Scan. In the Automatic Scan menu, there are two options to choose from as below.

- Clear Before Scan  
Press OK to activate the automatic scan. This will take some minutes. As the scan proceeds, you will see the progressive bar and the newly found services underneath.

#### D. Manual Scan of Services

Menu >Setup >Service Searching > Manual Scan  
If you know well enough to configure each exact setting required for manual search of services, you can do manual scan as well. There are many parameter values that you need to decide as below.

DVB-S  
DVB-S2  
Amongst other things, the below parameters are what you need to decide prior to performing manual scan.

- Tuner  
You need to decide which tuner you want to use for manual scan.
- System

Here you have two options between DVB-S (SD) and DVB-S2 (HD).

- Frequency  
You need to enter the exact frequency of the transponder that you want to scan.
- Symbol Rate

You need to enter the exact symbol rate of the transponder that you want to scan

- Polarity  
Here, you have options for Horizontal, Vertical, Circular Left and Circular Right. You need to know the polarity of the transponder that you want to scan.

- FEC (Forward Error Correction)  
You need to enter the exact FEC value of the transponder that you want to scan

Modulation

Here you have two options for QPSK (SD) and 8PSK (HD).

- Network Scan  
Here you have two options for YES and NO. NO is used to scan the transponder (TP) based on the data that your receiver box currently has. YES is used to scan the TP not just based on the existing TP data but also using new TP data, if there is TP data newly transported from the TP. Naturally, YES option takes longer while it may results in a better scan result.

- Clear Before Scan  
YES is used when you want to delete the existing channel list before you start the automatic scan. If you want to keep the existing list, select NO.

- Only Free Scan  
Here you have two options for YES and NO. If you want to scan only Free to Air channels without any encryption, select YES. Otherwise, select NO to scan all FTA and CAS channels. Press OK to activate the manual scan. This will take some minutes. As the scan proceeds, you will see the progressive bar and the newly found services underneath.

- Only Free Scan

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Through this menu, you can set the basic Ethernet configuration.

User Interface  
YES is used to activate the Ethernet. If you set this option at NO, the Ethernet will not work.

Use DHCP  
YES is used to use DHCP (Dynamic Host Configuration Protocol). If you set this option at YES,

it will automatically detect the correct IP address. NO is used when you want to use a certain fixed IP address In his case, you need to enter correct addresses in each field.

(B)Nameserver settings  
This option is required when you selected not to use DHCP. You need to enter the address of the Nameserver.

(C)Network test  
When you are not sure whether the network configuration has been done correctly or not, you can run this test.

(D)Restart Network  
This option is used when you want to reboot the Ethernet of your receiver box.

(3)Factory Reset  
Menu >Setup >Factory Reset  
If you want to erase all installed service list as well as all configurations, run the Factory Reset process. Select YES in the below menu to run the factory reset.

Upon the completion of factory reset process, your receiver box will reboot automatically and start the First Time Installation process.

NOTE: If you do this factory reset, all of your configuration data including bouquets, service lists, satellite parameters, and so on will be erased.

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