

Converter X1

USER MANUAL

For more product feature introduction/user guide/
software update/technical support, please visit the
official forum www.freesat.cn and the official
channel www.youtube.com/c/gtmediapub



YouTube Channel

www.freesat.cn

Key Features

- Support ATSC3.0 and 1.0.
- Build-in HDTV Player APP for all ATSC3.0 functions.
- Support widevine L1 DRM encrypted channel playback.
- Free and powerful DVR function.
- Support Android 11 with all popular APPs.
- Software update by OTA.
- Support Wifi
- Support 4Kx2K 10bit HDR video and AC4 audio.
- 2GB DDR and 32GB internal storage for more DVR content.

Configuration

Amlogic S905Y4-B Quad core ARM Cortex A35. Mali-G31 MP2.
RAM 2G DDR+32G EMMC, Built-in Wifi

SAFETY INSTRUCTIONS

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

- 1.Mains supply:** 100-240V AC 50/60Hz, Operate the unit only under the power source specified in "Specifications".
- 2.OVERLOADING:** Do not overload wall outlet, extension cord or adapter as this may result in fire or electric shock.
- 3.LIQUIDS:** Keep liquids away from the STB. The apparatus should not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- 4.CLEANING:** Disconnect the STB from the wall outlet before cleaning. Use a light damp cloth (no solvents) to dust the STB.
- 5.VENTILATION:** The slots on top of the STB must be left uncovered to allow proper airflow to the unit. Do not stand the STB on soft furnishings or carpets. Do not expose the STB to direct sunlight or do not place it near a heater. Do not stack electronic equipment on top of the STB.
- 6.ATTACHMENTS:** Do not use any attachments that are not recommended as these may cause hazard or damage the STB.
- 7.CONNECTION TO THE SATELLITE DISH LNB:** Disconnect the STB from the mains before connecting or disconnecting the cable from the satellite dish.
FAILURE TO DO SO CAN DAMAGE THE LNB.
- 8.CONNECTION TO THE TV:** Disconnect the STB from the mains before connecting or disconnecting the cable from the satellite dish.
FAILURE TO DO SO CAN DAMAGE THE TV.
- 9.EARTHING:** The LNB cable MUST BE EARTHED to the system earth for the satellite dish. Unplug the apparatus during lightning storms or when unused for long periods of time.
- 10.LOCATION:** Place the STB indoors in order not to expose to lightening, rain or sunlight.
- 11.WARNING:** For the terminals marked with symbol of "⚡" may be of sufficient magnitude to constitute a risk of electric shock. The external wiring connected to the terminals requires installation by an instructed person or the used of ready-made leads or cords.

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

Explanation of symbol, marking, signal lamp or similar means indicate that apparatus is completely disconnected from the mains. This equipment is a Class II or double insulated electrical appliance. It has been designed in such a way that it does not require a safety connection to electrical earth.

This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of non-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

Warning: To reduce the risk of electric shock, do not remove cover (or back) as there are no user-serviceable parts inside. Refer servicing to qualified personnel.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the appliance.

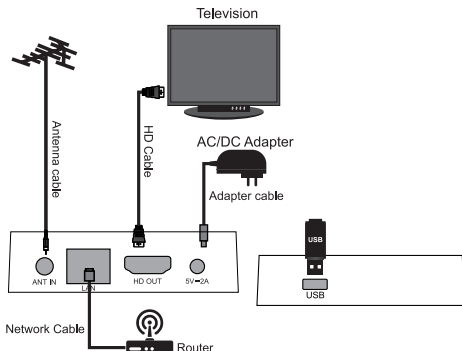
12.  Correct Disposal of this product. This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling. Environment Temperature: 0~35C.

Connection TV

AV Connection: Connect the AV cable of the 3 color (Red/White/Yellow) to the TV's AV output interface, the other end to TV set AV input interface. Connect by color, and TV's set to AV input mode.

HDOUT Connection: Connect HD cable into the product interface, the other side into a TV set. TV's set to HD OUT input mode.

Connection TV Diagram:



Statement

- ◆ Specifications are subject to change without further notice.
- ◆ The manufacturer does not assume any responsibility regarding any errors or mistakes in printing.
- ◆ Please note that new software may change the features of the receiver.
- ◆ The manufacture holds the rights of changes without any further notice.
- ◆ The image shown here is indicative only. The actual product may differ.

Remote Control

You can power on/off the receiver, operate on screen menu, and use a variety of hot key function.

TV CONTROL ZONE

Infrared learning function operation guide:

1. Press and hold the " /SET " key of the TV area of the DVB remote control for 10 seconds, the indicator light of the remote control is always on, and enter into the infrared learning state.
2. Hand-held by learning remote control, aimed at DVB remote control Press the need to be learned button.
3. Press the DVB remote control need to learn the button, the indicator light began to flash slowly, and other lights turn flash, the learning success.
4. Wait for 5 seconds to repeat the second and third steps to complete the other key code value learning.
5. After learning, press the TV button area that any button to exit the learning mode.

 **POWER:** Switch your DVB on or standby, In machine work, long press 2 seconds can force turn off power or Reboot.

 **0-9 Keys:** Used to select channels or enter programming parameters.

 **RECALL:** Return to previous channel.

 **DELETE:** Delete the input word.

 **HOME:** Back to the main interface.

 **FAV:** To set receiver to the favorite server mode, display the favorite channel.

 **MENU:** Displays the Main Menu on the screen, or return to the previous menu or status (DVB App effective).

 **EXIT:** Cancel the user selection and return to the viewing mode from a menu.

 **◀/▶**: To adjust volume level, or to move cursor left or right in the menu.



! The picture is only for reference; please make the object as the standard.

 **▲/▼**: To change channels, or to move cursor up or down in the menu.

 **OK**: Select menu option, or to updated on entry.

 **PAGE +/-**: To move up the cursor to the next or previous page in the channel list.

 **VOL +/-**: To adjust volume level

 **Q**: Search key (requires APP to support search function).

 **MUTE**: Mute the sound.

 **CUSTOM**: Custom hotkeys (Open the custom function on the launcher by default; can be set as a shortcut launch key for an application).

 **INFO**: To display channel status or various program information of current service.

 **EPG**: Display the programs guide on screen when available.

 **Mouse**: Switch analog mouse mode (Click the OK button as the left mouse button, Click or hold down the arrow keys to move the simulated mouse).

 **⏩ FB**: Start Fast Forward function.

 **⏮ FF**: Start Fast Backward function.

 **⏮ PREV**: Switch to previous file in play mode.

 **⏭ NEXT**: Switch to next file in play mode.

 **■ STOP**: To stop the Time Shift, recording, or MP3/JPEG player.

 **▶|| Play/Pause**: Multimedia playback and pause.

 **Red Key**: Multi-function key (DVB App effective).

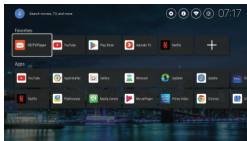
 **Green Key**: Multi-function key (DVB App effective).

 **Yellow Key**: Multi-function key (DVB App effective).

 **Blue Key**: Multi-function key (DVB App effective).

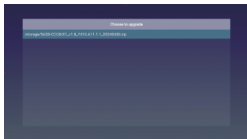
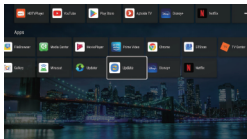
Startup

- Make sure that you have properly installed and connected the cables of the receiver.
- If the receiver is the factory status or there is no program list, when power on, the Main Menu window will be displayed on the screen, the LED light is on, about 60 seconds to enter the main interface.
Press the "►" and "◄" button to select, and press "OK" button to enter the icon APP.



Upgrade & Backup

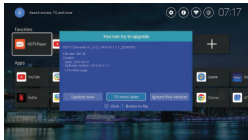
Open the "Update" application. Choose "local update" and select the upgrade file. Insert U disk, with update USB interface (please make sure the upgrade file on the USB flash drive's root directory), click the upgrade icon, click local upgrade, the system will automatically run to upgrade the program and restart after the upgrade is completed (Note: in the process of system upgrades do not power outages; Additionally, android is an open platform, research and development of different companies is different, So don't upgrade is not our company's software, in order to avoid system damage).



Upgrade: OTA

Open the "Update" application. Choose "online update" and it will check the latest upgrade package.

Note: In some models which do not have online update feature, it may only have "local update" item.



Troubleshooting

Check the possible failure modes and the suggested; Solutions on the chart below during your use of this, Receiver before requesting any service some, Simple checks or a minor adjustment on your part may help, eliminate the problem. Leave the maintenance task to professional technician.

Warning! Under no circumstances attempt to repair the receiver your self. Tampering with the receiver may result in fatal electric shock and will invalidate your warranty.

Note: More support guidelines, please contact the official website:

<http://www.freesat.cn>.

FCC Warning Statement

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

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20cm the radiator your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.