

# ISDB-T FULL SEG CAR TV RECEIVER BOX

## USER MANUAL

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### Introduction and Features

This TV box can be used in cars, buses, trucks, and any other vehicles to receive digital TV signals. With it, people can watch TV programs during high-speed driving. It surely can bring a delightful trip to people. Comparing to mobile phones, you don't need WIFI, you don't need to pay for 4G flow; Comparing to other media players, you can watch the latest free TV programs and get real-time news update. It just need be connected to a LCD screen, like car DVD/GPS player. You can control it with remote control, or by touch. It is a really good car electronic product worthy to buy.

#### FEATURES:

- Signal receiving sensitivity:  $-82\pm 2\text{dBm}$
- Video: two-way video output
- Audio: two-way Audio-R and Audio-L output
- HDMI output
- RF Input: two-way antenna accept
- Touch screen or remote control support
- AUTO, 16:9 Pillar Box, 16:9 Pan G Scan, 4:3 Letter Box, 4:3 Pan G Scan, 4:3 Full, 16:9 Wide Screen
- Video resolution: 480i/576i/480p/576p/720p/1080i/1080P
- Support teletext /subtitle /multi-language
- USB 2.0 software upgrade
- Fast Auto search and Manual search supported
- Supported 7-Day EPG function, VBI Teletext
- Support high-speed mobile signal receiving
- Program parameters memorization when power off
- Can store up to 1000 TV/radio stations
- Multi-language OSD: English, Spanish, Portuguese

#### PARAMETERS:

1. RF input: 2 SMA-type terminal
2. Input Impedance@Antenna: 50ohm
3. Frequency range: UHF 473.143MHz-803.143MHz  
VHF 177.143MHz-213.143MHz
4. Signal level: full-seg:  $-85\text{dBm}\sim 0\text{dBm}$   
one-seg:  $-95\text{dBm}\sim 0\text{dBm}$
5. Supports ISDB-T one-seg, ISDB-T full-seg
6. Bandwidth: 6M
7. Demodulation: QPSK / 16QAM / 64QAM/QPSK or DQPSK
8. Guard interval: 1/4, 1/8, 1/16, 1/32
9. FEC: 1/2, 2/3, 3/4, 5/6, 7/8 Automatic
10. Video Aspect Ratio: 4:3 /16:9
11. Video System: PAL/NTSC/PAL-M/PAL-N

- 12. Video output: CVBS
- 13. Audio Output: Left/Right
- 14. IR remote control/UART Touch
- 15. USB 2.0 for upgrade
- 16. Input Voltage Range: 9V~16V
- 17. Power consumption: <2.5W
- 18. Operation temperature: -20-70°C,  
Working limit: -25-75°C

### **Warnings**

This product was designed and manufactured to meet strict quality and safety standards. There are, however, some operational precautions that you should be aware of:

- Read all warnings.
- Follow all instructions.
- The power input is DC 9V-35V
- Place the product on a firm and level surface.
- Avoid placing the product in places subject to constant vibration.
- Turn off the product during thunderstorms.
- Clean only with dry cloth. Do not use aggressive cleaners as they will damage the surface.
- Only use the attachments or accessories specified by the manufacturer.
- Do not attempt to open the cabinet or remove any covers.
- Repairs must only be performed by the manufacturers or its approved service agent.
- Do not locate the product near a heat source or in direct sunlight. Do not place a naked flame source on or near this product.
- Do not immerse the main unit, or any accessories in water or other liquid.
- Use the product in moderate temperature range only. Avoid operating the unit in humid or moisture places..























### **Product profile**



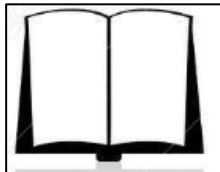
1. Working LED light
2. Power/AV out/IR
3. IR extension cable port
4. Antenna 1
5. Antenna 2
6. USB port
7. HDMI port
8. Video out
9. Audio-L out
10. Audio-R out

#### Remote control profile



1. : power on/off
2. : To be defined
3. : to scan TV channels
4. : to turn on/off voice
5. Numbers 0~9: to input numbers for quick switch of TV channels
6. : To be defined
7. : To be defined
8. : To be defined
9. : to switch the subtitle on if it is transmitted on this channel
10. : to view EPG info
11. : to display info of being viewed channel
12.  : to switch TV channels (or main menu selection) up and down in sequence
13. : to confirm the selection
14.  : to adjust volume, or left/right selection
15. : to switch left and right audio channels
16. : to enter main menu surface
17. : to return to previous status or exit
18. : To be defined
19. : To be defined
20. : To be defined
21. : To be defined

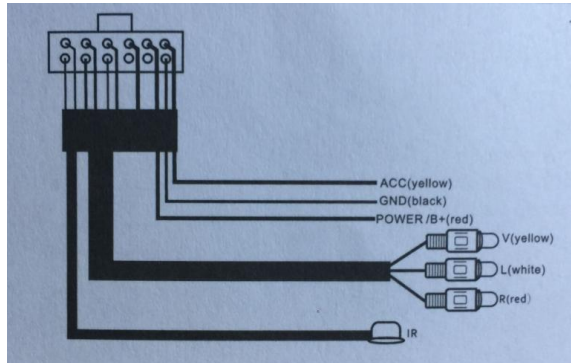
## Accessories





- Power cable x 1
- User manual x 1

- Remote control x 1
- Antenna x 2

### Power On/Power Off

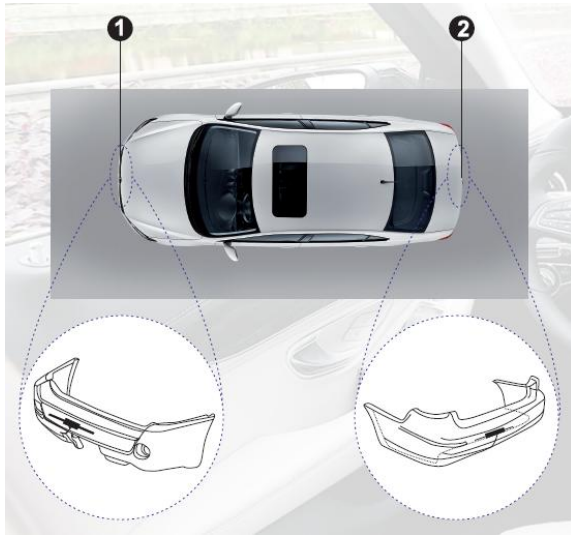


Follow below steps to power on and power off:

1. Connect the power cable to the port of the TV box
2. Connect the wires of the power cable one by one to the wire leads of monitor
3. Press  on remote control to power on
4. Press  on remote control to power off

### How to install the antenna

Before using this TV box, you need to install the antenna included in the box. Please follow below steps:

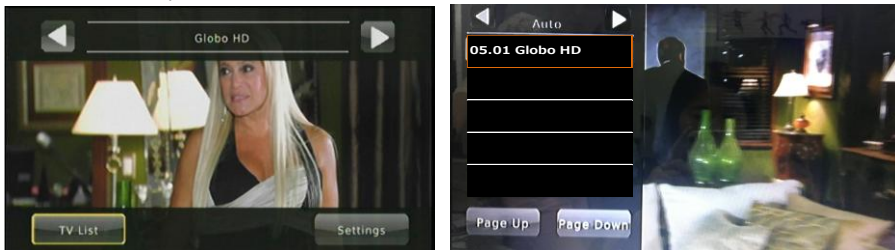


1. Take out of the antenna and take off the package.
2. Refer to the above picture, install the antennas to the plastic place.
3. Connecting the terminal of the wire to the antenna lead of TV box.
4. Scan TV programs to check the signal strength and quality.

*Note: before scanning, please make sure the antenna power is set as "ON" in the main menu/Settings/Antenna Power*

### How to select TV channels in the channel list

Follow below steps to select channels:

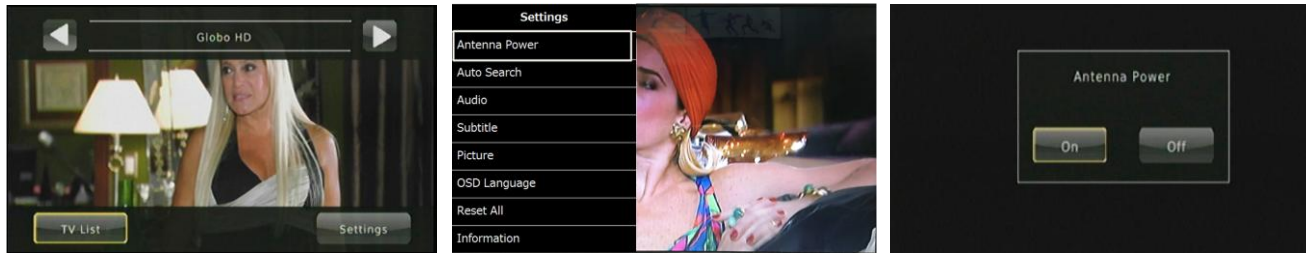


1. Press **MENU** on remote control to enter the menu interface.
2. Press **VOL-** **VOL+** to select "Channel List" on the screen and press **ENTER** to confirm.
3. Press **CH+** **CH-** to select channels.

4. Press **ENTER** to confirm.
5. Press **EXIT** to return to the main menu

### How to set antenna power

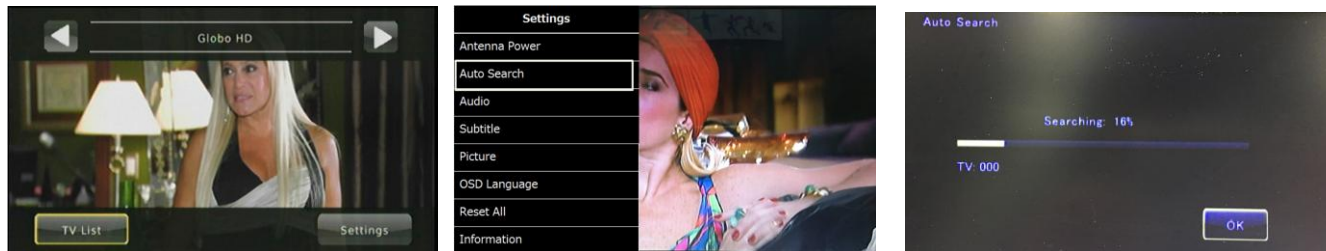
Follow below steps to set antenna power:



1. Press **MENU** on remote control to enter the menu interface
2. Press **VOL-** **VOL+** to select “Settings” on the screen and press **ENTER** to confirm
3. Press **CH+** **CH-** to select “Antenna Power”, and press **ENTER** to confirm. There is a window pop-up on screen.
4. Press **VOL-** **VOL+** to select “On” to set the antenna power on.
5. Press **EXIT** to return to the main menu

### How to auto scan TV channels

Follow below steps to auto scan TV channels:

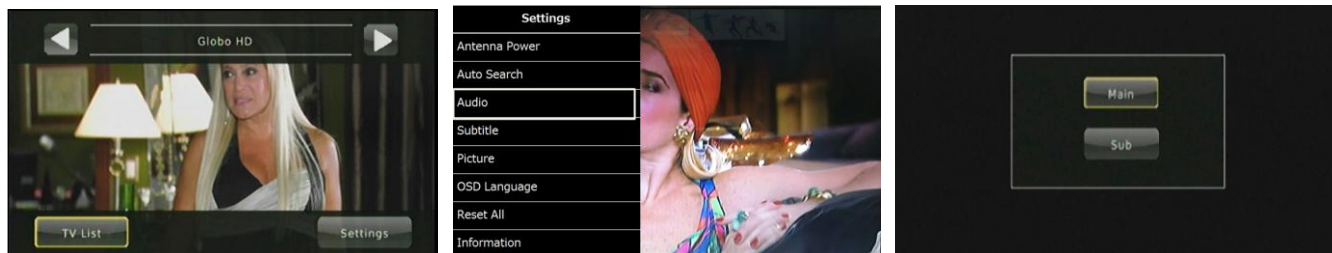


1. Press **MENU** on remote control to enter the menu interface
2. Press **VOL-** **VOL+** to select “Settings” on the screen and press **ENTER** to confirm
3. Press **OK** to confirm. The TV box starts to scan all frequencies automatically.
4. Press **EXIT** to return to the main menu



## How to set audio

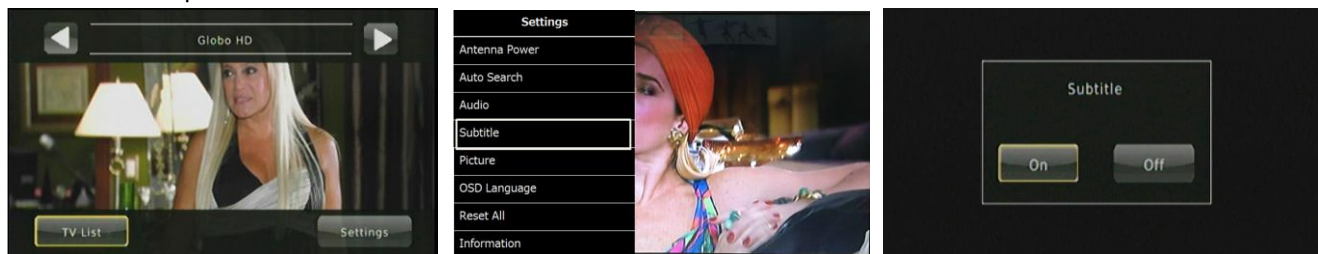
Follow below steps to set audio:



1. Press **MENU** on remote control to enter the menu interface.
2. Press **VOL-** **VOL+** to select "Settings" on the screen and press **ENTER** to confirm.
3. Press **CH+** **CH-** to select "Audio", and press **ENTER** to enter a new interface.
4. On the new interface, press **CH+** **CH-** to select Main audio or Sub audio
5. Press **EXIT** to return to the main menu.

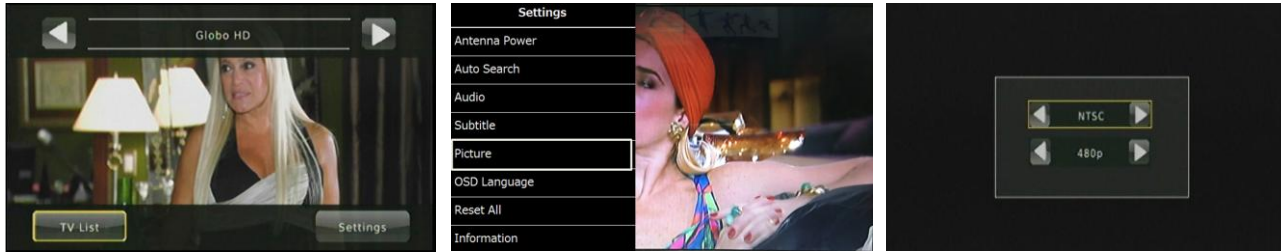
## How to set subtitle

Follow below steps to set subtitle:



1. Press **MENU** on remote control to enter the menu interface.
2. Press **VOL-** **VOL+** to select "Settings" on the screen and press **ENTER** to confirm.
3. Press **CH+** **CH-** to select "Subtitle", and press **ENTER** to enter a new interface.
4. On the new interface, press **◀** and **▶** to set it On or Off.
5. Press **EXIT** to return to the main menu.

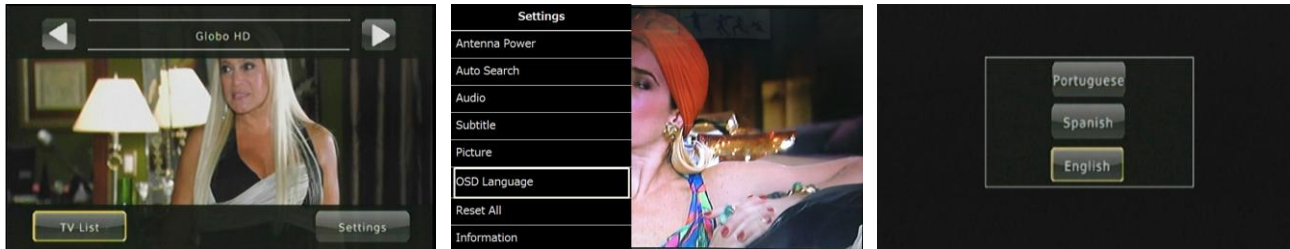
How to set format and resolution?



1. Press **MENU** on remote control to enter the menu interface.
2. Press **VOL-** **VOL+** to select “Settings” on the screen and press **ENTER** to confirm.
3. Press **CH+** **CH-** to select “Picture”, and press **ENTER** to enter a new interface.
4. On the new interface, press **◀** and **▶** to set PAL or NTSC.
5. Press **CH+** **CH-** **◀** and **▶** to select resolution: 480P, 480I, 720P, 720I, 1080P, 1080I
6. Press **EXIT** to return to the main menu.

### How to change OSD languages

Follow below steps to change OSD languages:



1. Press **MENU** on remote control to enter the menu interface.
2. Press **VOL-** **VOL+** to select “Settings” on the screen and press **ENTER** to confirm.
3. Press **CH+** **CH-** to select “Language”, and press **ENTER** to enter a new interface.
4. On the new interface, press **◀** and **▶** to change language.
5. Press **EXIT** to return to the main menu.

### How to reset TV box

Follow below steps to reset TV box:



1. Press **MENU** on remote control to enter the menu interface.
2. Press **VOL-** **VOL+** to select "Setting" on the screen and press **ENTER** to confirm.
3. Press **CH+** **CH-** to select "Reset All", and press **ENTER** to enter a new interface.
4. Press **VOL-** **VOL+** to select "YES" to resume factory setting, or press "Exit" to give up.

### How to check software version

Follow below steps to check software version:



1. Press **MENU** on remote control to enter the menu interface.
2. Press **VOL-** **VOL+** to select "Setting" on the screen and press **ENTER** to confirm.
3. Press **CH+** **CH-** to select "Information", and press **ENTER** to enter a new interface.
4. Press "Exit" to give up.

### How to upgrade the software of TV box:

1. Store the software in the USB drive
2. Plus the USB drive to USB port and TV box will upgrade the software directly

*Note: Please do not turn off the power during upgrading, unless the TV box will be damaged and cannot be repaired.*

## **Maintenance**

- Do not use harsh or abrasive cleaning agents or solvents.
- Polish the screen with a soft micro fiber cloth and if necessary a very small amount of a proprietary glass cleaner.
- Do not attempt to disassemble the product.
- Do not paint the product.
- Do not drop, throw or try to bend the product.