

AGENT :

User's manual

HD H.264/SD Digital Terrestrial Receiver For Car



Safety Instruction

Please read the following instructions carefully

- 1.The power input is DC+12V~24V+/-10%.
- 2.Do not expose the receiver to rain , moisture, direct sunlight or do not place it near a heater.
- 3.Do not use liquid or aerosol cleaners. Use a light damp cloth for cleaning.
- 4.The hole on the bottom of receiver must be left uncovered to allow proper airflow to the unit.
5. Do not open or remove cover. Refer all servicing to qualified service personnel.

Specification

RF Input: UHF: 470 MHz~862MHz
VHF: 174 MHz~230MHz

Input Impedance: 75Ω

Signal Level: -80dBm~ -10dBm

Connector Type: F type terminal x 2

Channel Band Width: 6M/7M/8M

Constellation: QPSK , 16QAM, 64QAM

Guard Interval: 1/32,1/16,1/8,1/4

FEC: 1/2,2/3,3/4,5/6,7/8

COFDM Carrier Mode: 2K And 8k Non Hierarchical /Hierarchical

Transport Stream: MPEG-4 AVC/H.264 HP@L4
MPEG-2 MP@HL/ML

Video Aspect Ratio: 4:3 /16:9

Video System: PAL / NTSC

Video Output: 1±0.3Vpp

Video Resolution Y Pr Pb Resolution:

720*576@25fps/720*480@30fps/

HD 1920x1080i/HD 1920x720p

Audio Decoder: MPEG-2 / HE_AAC(DD/DD+optional)

Audio Channel: R/L/ST

Audio Output: 1Vpp 47Kohm Adjustable With E Volume

Power Cable And Jack: 6Pins:

- 1.DC+12~24V Input
- 2.ACC
- 3.Parking Switch
- 4.DC+12~24V Output 5~6.GND

16. Software Upgrade

You can update the software of the receiver with USB port.

New software version can improve performance or solve the problem.

(1).copy the upgrade file into USB disk.

(2).Get into music item of USB multimedia function.

(3).Select upgrade file and press “ok” to confirm the update.

During upgrade progress, don't take off the power supply otherwise the system will fail and can not power on any more.

Main Features

- * Fully compliant with MPEG-2,H.264 MPEG4 AVC and DVB-T standards.
- * PIG(Picture In Graphic) support.
- * Channel editing function.
- * Automatic and manual search.
- * Stores over 1000 channels.
- * Provide electronic program guide(EPG)(option).
- * Records programs to USB disk.
- * OSD Teletext and VBI Teletext support.
- * Support language options :
 1. English, Deutsche, French, Swedish, Russian, Portuguese, Czech, Danish, Italian and Spanish total 9 Languages for Europe version.
 2. English, Deutsche, French, Czech, Persian, Arabic, Hebrew, Danish and Italian total 9 Languages for Middle East version.
- * USB Supports the play of JPEG/MP3/MP4 play (AVI/MPG/DAT/VOB) and software upgrade.
- * Remark: Some special USB and MP4 format can not fully support.

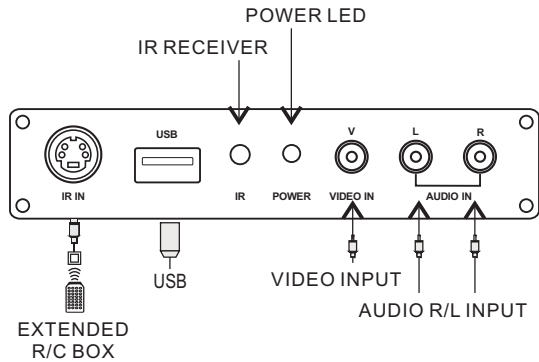
Accessories

The following have been packed in your receiver box:

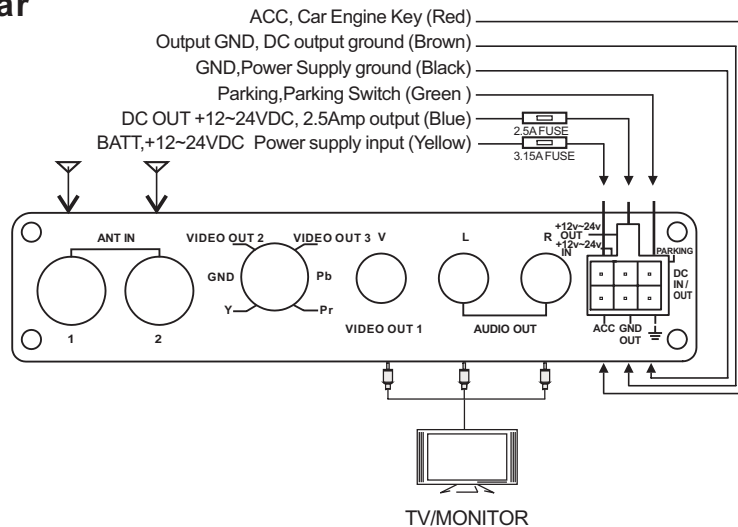
- * User's manual x1
- * Remote control unit(RCU)x1
- * Extended R/C box x1
- * 6pins DIN adapt to RCA wires.
- * A/V wire x1
- * Power supply wire x1
- * Mounting LUG x2 with screw x4

Front and rear panel

Front



Rear



1. For car use: Connect the BATT wire to car battery and connect ACC wire to ACC switch of car.
2. For home use: Put BATT and ACC wire together and connect to B+12~24V DC.
3. GND must connect to ground or battery- .
4. DC output ground, connect to the device GND with which use the DC +12V~24V output.

4>.Version information

The information included H/W Version, S/W Version, Tuner Type and Date. Press "EXIT" key to return previous menu.

15. Multimedia Function

There are 4 main functions in USB multimedia function. They are Music ,Photo ,Movie and PVR.



Figure 7

USB Music

choose USB Music option, Press OK key to confirm. Press OK key to enter next directory. Follow the bottom key guide to operation.

USB Photo

choose USB Photo option, Press OK key to confirm. Press OK key to enter next directory. Follow the bottom key guide to operation.

USB Movie

choose USB Movie option, Press OK key to confirm. Press OK key to enter next directory. Follow the bottom key guide to operation.

PVR Playback

If the pre-recorded file in the USB disk, then you can select the file and playback.

12. Picture Display

- (1).TV Mode can be set as PAL or NTSC.
- (2).Aspect Ratio can be set as AUTO/4:3 FULL/ 4:3 Pan Scan/ 4:3 Letter Box/16:9 WIDE.
- (3).Resolution:1080i/576i/576p/720p.

13. Time

In time menu, there are two time modes, one is Auto setting: the other is Manual setting. The system defaults the setting as Automatic.

14. language option

- (1).The OSD supports multi-language :
 - 1>.English, Deutsche, French, Swedish, Russian, Portuguese, Czech, Danish, Italian and Spanish total 9 Languages for Europe version.
 - 2>.English, Deutsche, French, Czech, Persian, Arabic, Hebrew, Danish and Italian total 9 Languages for Middle East version.
- (2). the audio language support 26 kind of language.
 - 1>.Parental Guidance
enter password to get into age grade setting, you can select off or setting viewing age like 04 、05 、06……18years old.
 - 2>.Parental Lock
You can revise system Password, Enter Parental Lock menu.
 - A. Press the 0-9 number key on remote controller to input Old Password, the system defaults Password as “000000”.
 - B. Enter new password
 - C.Enter new password again.
 - 3>.Factory Default
Press OK to return original factory default setting.
You need enter password (Default password is “000000”)

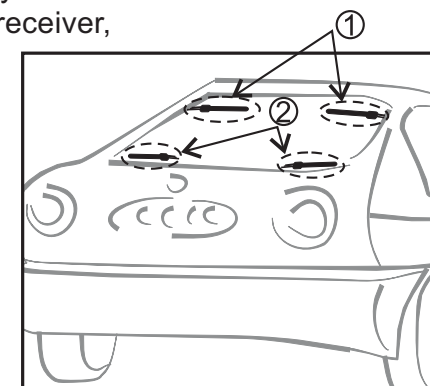
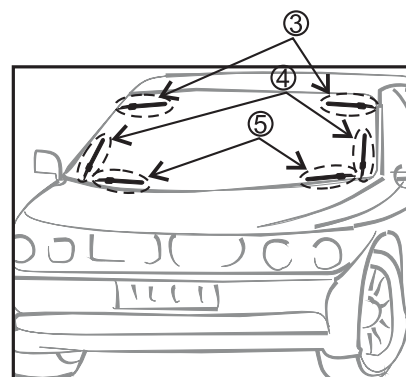
ANT Installation

1. ANT-350 /353/355 Structure (optional):



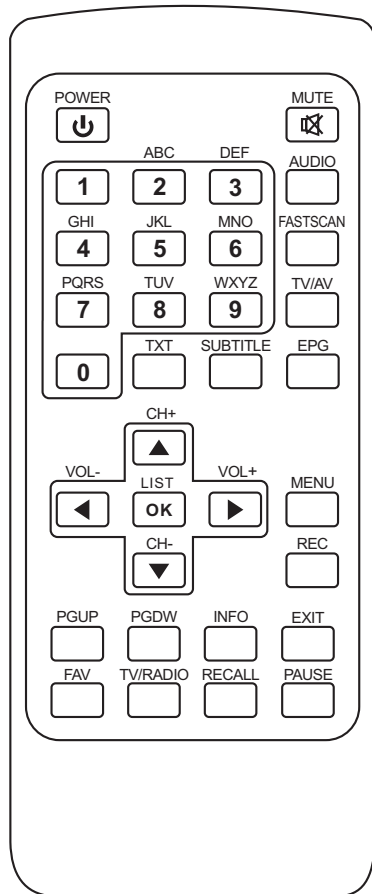
2.ANT-350/353/355 Installation:

- (1).Tint film (sunshine shield film) will cause poor reception due to it has a metallic coating. Install antenna on a clear window position.
- (2).Set the antenna power supply to "ON" in the setup manual of receiver, and go channel manager to check the signal strength and quality. Move antenna to a best position.



- 3.The five install locations are just for your reference.

Remote Control Unit (RCU)



- **POWER:** Switch the receiver between stand-by & on modes
- **MUTE:** Mute the audio output
- **Numeric Keys(0~9):** For direct entry of channel number or input of alphanumeric characters
- **Audio:** Switch the audio language if transmitting more than one language and Select the different audio modes
- **Fast scan:** Searching all channel quickly
- **TV/AV:** Select between TV and AV mode
- **EPG (Electronic Program Guide):** Call up the EPG function
- **TXT:** Display on the teletext contents of the viewed channel, if teletext is transmitted
- **Subtitle:** Switch the subtitle on if the subtitle is transmitted on this channel
- **CH(▲/▼):** Change channels sequentially up or down in viewing mode and move to the next higher or lower item in the menu
- **VOL(▲/▼):** Alter the Audio output level up or down in viewing mode or move to the left or right item in the menu

9. Recording

Insert the USB disk to USB port and press “REC” key to record the current viewing program into USB disk.

TV/AV

Press “TV/AV” key to switch between TV or AV IN function.

10. Main manual

Press “Manu” key to enter the Manu function of the system.

You can set or select all DVB-T functions by this Manu.

The bottom line shown all related key for the operation.

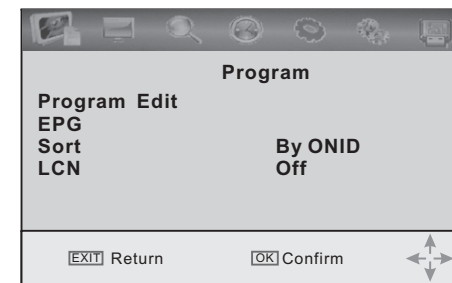


Figure 5

11. program edit

(1).System offer an efficient function of program edit such as channel move, skip, lock, delete, Favorite and rename.

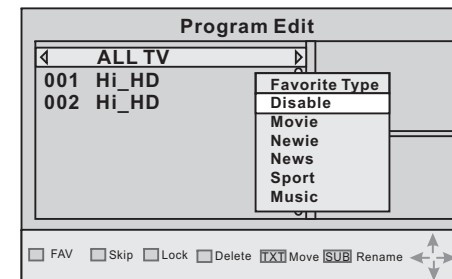


Figure 6

(2).Program listing

There are 3 kind of programs listing: channel name, service id or LCN.

4. Program list

- (1). Press "CH+/-" to switch to the previous or next program.
- (2). Press "OK" to switch to the speediness program list, Select different program as you want and Press "OK" to confirm program Selection.
- (3). Press number keys to input program number.

5. Information

press "INFO" key to show the information of current programs when it is in normal playing state. Press again to show more detail information.

6. Program Return

Press "RECALL" key under state of full-screen to return to the previous program played.

7. Audio language switch and L/R channel switch

Press "AUDIO" key to switch the language of current programs and switch among "stereo" → "Left" → "right" .

8. Electronic programs guide(EPG)(option)

You can press "EPG" key on the remote controller to enter into the EPG page the bottom Line showshint information for keys, corresponding to the functions.

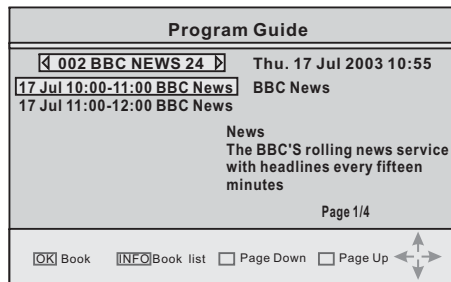
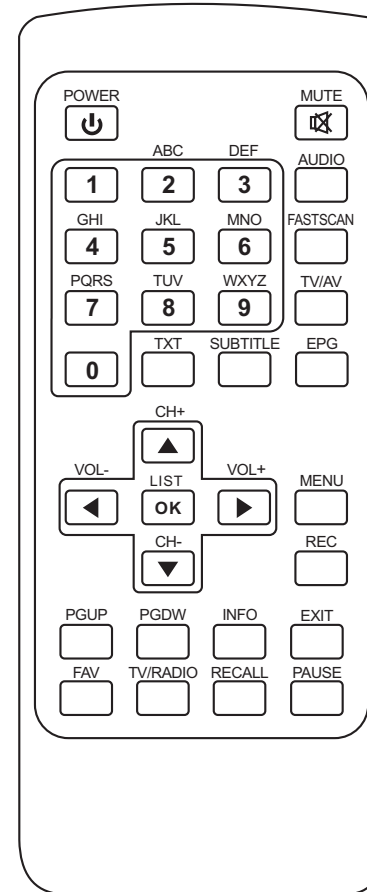


Figure 4

Remote Control Unit (RCU)



- OK/LIST: Select an item or confirm a choice. A list will enter the channel in viewing mode
- MENU: Access the main menu
- PgUP/ PgDN: Move up/down a page in the channel list. Shown movie playing speed while playing .
- INFO: Display information on viewed channel
- EXIT: To return to previous status or exit
- REC: Records the programs to USB disk
- FAV (RED): Select the favorite or all channels
- TV/RADIO(GREEN): Switch between TV and radio mode
- RECALL(YELLOW): Go back to the previously viewed channel
- PAUSE(BLUE): Press once to pause the screen picture, press once again to resume normal mode

Basic Functions

1. Enter into system and power on-off

Before start the system, pls check all wiring and ANT installation.

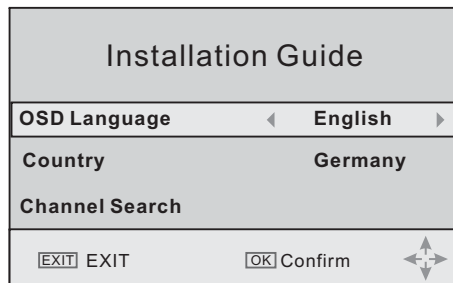


Figure 1

When power on the unit in first time, the picture will show the OSD language, country and channel search. After language and country setting. then go channel search to scan all available TV programs.

There are three kinds of scan mode as follow:

(1).Auto Search

Press "OK"key to start.

(2).Manual Search

(3).fast scan.

Auto Search

You can move the cursor to "auto search" and press the "ok" key to start scan all available programs in the area you are.



Figure 2

Manual Search

If you know the frequency channel, after set the country.

You can select manual search.

(1).You can move the cursor to "manual search" via press "CH+/-" key

(2).select the country via press "vol+/-" key.

Then you need set antenna power to "on" .

1>.enter channel no. by press key no.0-9.

2>.Press "OK" key after configuration of start manual scan.

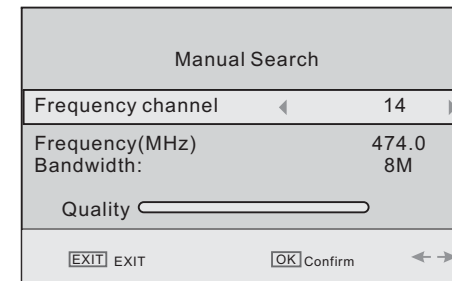


Figure 3

Fast Search

press "fast scan" key on remote controller to start.

If any program is detected and scanning process is finished, system will exit the scanning page and to play them in window automatically.

2. Volume Adjustment and Mute

(1).Press "VOL+/-" to adjust volume when system is in normal playing mode: and it will show volume bar on the image.

(2).Press "MUTE" to enter into the mode when in normal playing and repress "MUTE" to back the normal state.

3. TV/RADIO Programs Switch

Press "TV/RADIO" to switch the programs.