

# Operation Instructions



## Mobile Digital TV Receiver Box

HD DVB-T • MPEG2 • MPEG4 • HDMI • PVR • 2 tuner

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## 1. Precautions

1. Only the attached AC adapter and the automobile adapter (12V) are suitable.
2. For the sake of safety, when you do not intend to use the TV box, please plug off car power cord or car adapter.
3. Do not drop the small metal pieces like needle, nail etc. into the box.

### Warning!

1. For the sake of safety for yourself and others, please don't watch or turn on the TV set while driving.
2. It is very dangerous to watch or operate TV while driving.

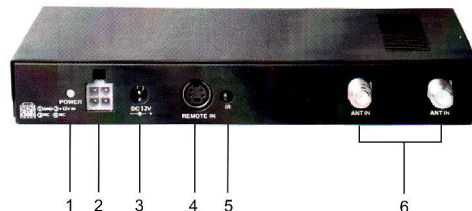
## 2. Accessories

1. Car power adapter
2. Car power cord
3. External remote control receive line
4. Installation iron piece and screw
5. Remote control
6. AAA type batteries (optional)
7. Operation Instructions
8. AV cable
9. Two pcs digital TV antenna (optional)

\* Open the package and make sure all the items are included.

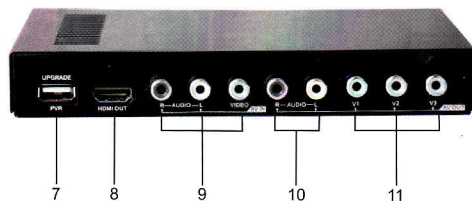
## 3. Appearance

Front view:



1. Power indicator
2. Quadrate car power input jack
3. Car power input jack
4. External remote control receiver input jack
5. IR sensor
6. Antenna input jack

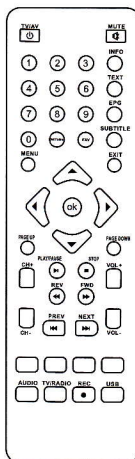
Rear view:



7. USB for software upgrade and PVR function
8. HDMI output jack
9. AV input jack for AUX
10. Left and right Audio output jack
11. 3X video output jack

## 4. Remote Control Application

1. : standby/off key.  
TV/ AUX AV input switch.
2. MUTE: Mute function keys.
3. 0~9: Digit keys.
4. : Return key, press this key for previous program.
5. INFO: Display Channel information.
6. CH+▲/CH-▼ : Channel +/Channel -.
7. VOL+▶/ VOL-◀ : Volume +/Volume -.
8. Ok: Press this key to confirm chosen option.
9. MENU: Main menu key.
10. EXIT: Exit Key; press this key to exit.
11. RED/GREEN/YELLOW/BLUE: This key can work only under TEXT state.
12. TITLE: Subtitles select key.
13. FAV: ON/OFF my favor channel function.
14. EPG: Press to display electronic program guide.
15. AUDIO: TV Sound track switch key.
16. TEXT: Press this key to enable TEXT function and view text information.
17. RADIO: Shift between TV/radio programs.
18. ● REC for TV program record.



## 5. Quick Installation Guide for First Use

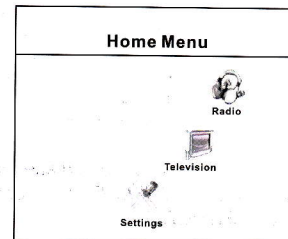
**Start the channel installation. At first time use, the automatic installation message will appear on screen.**

- a. Choose the menu display language
- b. Choose the reception country. Attention, make sure to choose the right reception country; otherwise, the channel search may not be carried out correctly.
- c. Then, select your time zone (GMT +1 for France)
- d. Please keep the LCN (Logical Channel Number) option ON (activated), so that the channels can be classified in the correct order.
- e. Press the Start button to begin the channel search. The DVB-T channels search starts immediately and will only take a few minutes..

First Installation	
OSD Language	English ▼
Country	Europe ▼
Time Zone	GMT ▼
LCN	Off ▼
Start	

If the automatic installation message does not appear:

- Press the MENU button on the remote control
- Select the option INSTALLATION
- Select the option AUTOMATIC SEARCH



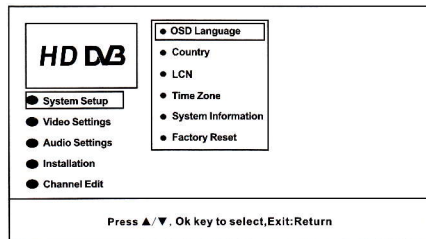
## 6. Basic Operations

### 6.1 System

Press [Menu] key on the RCU, the main menu will be shown on the screen.

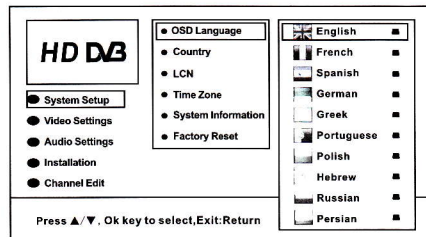
1).Select an option by pressing the UP and DOWN keys of the remote control, and press OK keys of the remote control to change the setting's value.

2).Press the button EXIT of the remote control to go back to the previous menu.



#### 6.1.1 OSD language

Use this item to select the language of the setup menu and screen display.



#### 6.1.2 Country

Make sure to select the correct country to make the installation successful: select FRANCE or EUROPE for other European countries such as SPAIN and PORTUGAL.

#### 6.1.3 Time Zone

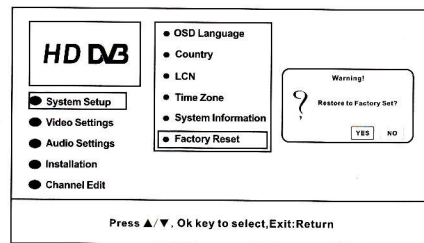
Go here to select your country's time zone, as well as Activate or deactivate summer time.

#### 6.1.4 System Information

Select this can display the system information.

#### 6.1.5 Factory Reset

Use this option if you encounter a problem after having changed some parameters. This option will reset the unit's data to restore it to the factory's value, thus deleting all channels. You will need to scan all Channels Afterwards.



### 6.2 Video Setting

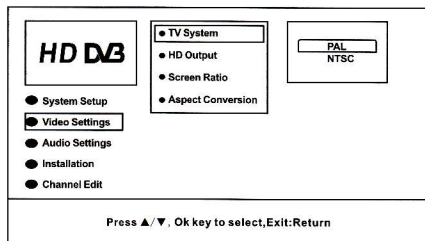
Press [Menu] key on the RCU, the main menu will be shown on the screen.

1).Select an option by pressing the UP and DOWN keys of the remote control, and press OK keys of the remote control to change the setting's value.

2).Press the button EXIT of the remote control to go back to the previous menu.

#### 6.2.1 TV System

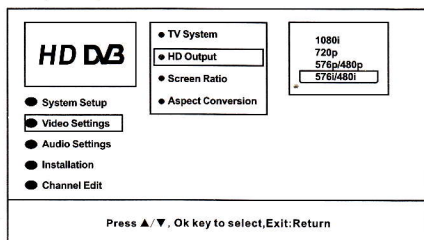
Use this option to define the TV system according to your country: PAL or NTSC.



### 6.2.2 HD Output

The High-Definition Multimedia Interface (HDMI) is a digital audio/video connector interface for transmitting uncompressed digital streams. HDMI supports, on a single cable (HDMI cable not supplied), all video formats including standard, enhanced, and high-definition, as well as multi-channel digital audio. To enjoy the enhanced audio and video quality that HDMI offers, you need an HD Ready television with HDMI connection. You then simply need to select the maximum resolution supported by your television in the menu:

- 1280x720p (720p)
- 1920x1080i (1080i)

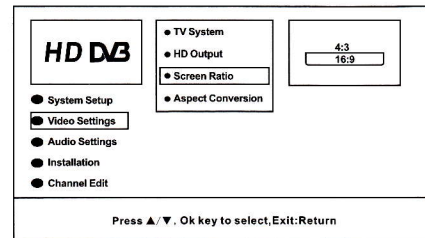


**Display problem in HDMI mode** - If you have selected a HDMI resolution which is not supported by your TV (for example, you have selected 1080i while your TV supports 720p resolution only), a black screen will appear and you will not be able to change the HDMI resolution in the SETUP menu. To solve this problem, press the HDMI button on the remote to change the HDMI resolution. You can also

connect your television with a SCART cable. The screen will become readable again then, and you can set the right resolution in the setup menu of the unit.

### 6.2.3 Screen Ratio

Select 4:3 or 16:9 according to the size of your TV screen.



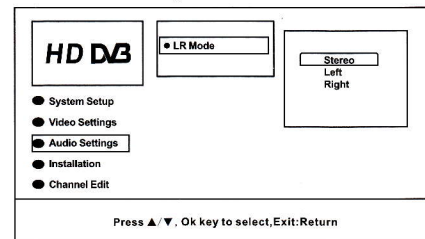
### 6.3 Audio

Press [Menu] key on the RCU, the main menu will be shown on the screen.

- 1). Select an option by pressing the UP and DOWN keys of the remote control, and press OK keys of the remote control to change the setting's value.
- 2). Press the button EXIT of the remote control to go back.

### 6.3.1 LR Mode

LR MODE can switch left/Right/Stereo





### 6.3.2 SPDIF optional, may not available in some version.

Selecting the SPDIF setting allows the user to adjust the audio output on SPDIF Ports to work in harmony with the audio equipment (e.g.receiver,speakers) connected to the player.

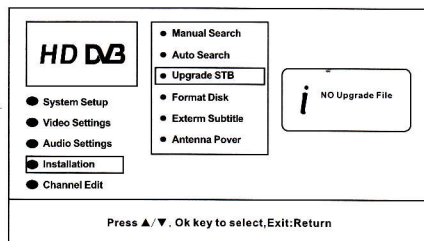
**PCM** Select this option when you are going to use stereo signals(2 channels).You should combine this option with the option"Lower sampling rate",which we explain further on.

**RAW** If you select this option the player will use the DVB's original audio track.Use this option when you want to use the Dolby Digital AC3 signals through the coaxial audio output.

## 6.4 Installation

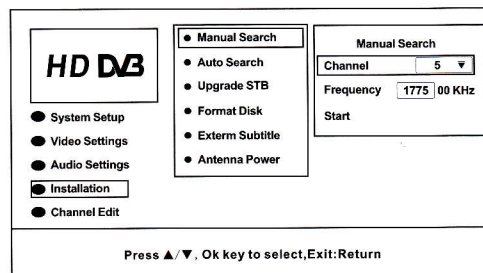
Press [Menu] key on the RCU, the main menu will be shown on the screen.

- 1).Select an option by pressing the UP and DOWN keys of the remote control, and press OK keys of the remote control to change the setting's value.
- 2).Press the button EXIT of the remote control to go back to the previous menu.



### 6.4.1 Manual Search

If any channel is missing after auto search, or you want to add newly launched channels, you can use Manual Search to scan the desired channels.



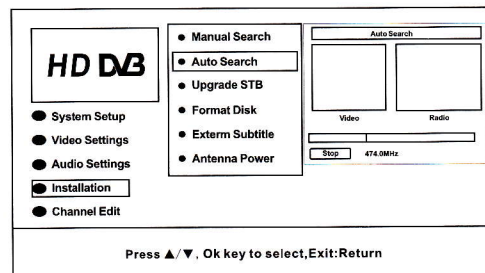
When move cursor to Channel, press OK then appear channel list. Through up/down to choose the channel you need search by manual scanning, besides, the choosing. After choosing, you can choose "Start" to start channel scanning.

When move cursor to Frequency, press OK button to confirm, then press left/right button to clear original frequency, next input your needed frequency, last choose "Start" to start channel scanning.

### 6.4.2 Auto Search

Auto search is a kind of intelligent and convenient mode of programs searching, which covers programs of all frequency points of target countries or regions.

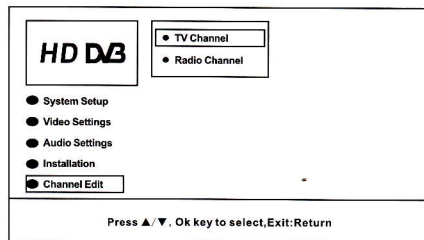
1. Enter the Auto search menu via Installation > Auto Search, Press OK to start Auto Search.



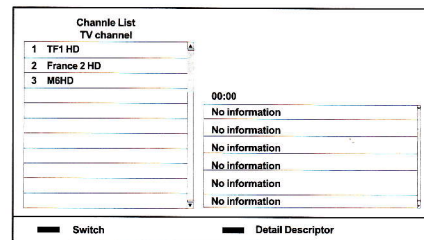
2. After entering into auto search page, system will scan all programs one by one under frequency points of current countries or regions selected automatically.
3. During scanning, press EXIT key to stop and exit scanning.
4. If any program is detected and the scanning process is finished, system will exit the scanning page and save the program, at the same time return to the "nstallation menu".

## 6.5 Channel Edit

This function allows you to define a list of favourite channels. When you select the option CHANNEL EDITION, a message will appear to ask you to choose whether you want to create a favourite list for DVB-T channels, or for radio stations. Choose the former option to continue (there are no radio stations broadcasted via the DVB-T network in most countries, including France).

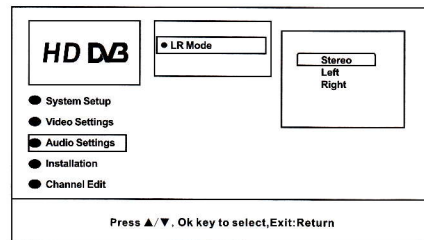


- A. Press button red to select a favorite list.
- B. Press the UP and DOWN keys to select a channel and press OK to select this channel to the favorite list. A confirmation logo will be displayed next to the selected channel.
- C. Press the EXIT key to quit the menu. You are now being asked to save the change or to cancel.



## 6.6 Audio Menu

Some channels may be broadcasted into multiple languages. To change the audio language, press the AUDIO key of the remote control.



Press the DOWN button to change the AUDIO TRACK and then press the RIGHT button to change the current audio language. Alternatively, you can also change the AUDIO MODE from this menu. Some channels may be broadcasted into AC3 format. You can choose AC3 if you have a home theater, and only if you have connected your DVB-T unit to your home theater with a coaxial cable.

Remarks:

- Language selection and AC3 availability depend on the channels. Some channels may offer only one language and no AC3. AC3 may also be broadcasted only for a few selected movies.
- When you choose AC3, the sound coming from the TV is cut. This



is normal, the sound is now transmitted to your home theater through the DVB-T's coaxial output. Please also check beforehand that your home theater can decode the AC3 signal.

- If you chose the AC3 format, and switching back to another channel in stereo format, the audio volume may actually increase depending on the DVB-T channel and your home theater equipment. This is normal; in that case, remember to reduce the volume beforehand.

## 6.7 SUBTITLES

Press the TITLE button of the remote control to activate the subtitles function. Subtitles may be available in different languages, depending on the channel.

## 6.8 EPG

The Electronic Program Guide (EPG) gives you immediate access to the channel TV program for the coming hours. To use it, press the EPG button of the remote control. The channel schedule appears immediately, as per the below illustration.

Use the UP and DOWN buttons to choose the desired DVB-T channel and then press the EPG button on the remote control to select the detail of a TV program in particular. Press EXIT to exit the EPG menu. Remark: EPG availability depends on the channels. This function may not be available when the channel does not broadcast this information.

## 7. Before you request for repair

Phenomena below does not necessarily mean failure with TV box set. Please check following before you request for repair.

Phenomena	Possible Causes
No picture, no sound	Improper connection with AC adapter or Car adapter. Use of unauthorized power supply. The TV Box is in protected status, Press CH+/CH- to normal playback.
No image	Whether antenna adjusted correctly; Whether the correct Channel or Country selected. May need to reset or search.
No sound	Check whether the volume is minimized; The signal quality is poor; The sound attenuation function is activated;
Diamonds in picture	Whether antenna adjusted correctly; Maybe too weak signal at the receiving place.
No signal	Whether the correct Country selected; Maybe signal too weak.
Mosaic appears or slack image and sound when the car moves	Unsteadily signal due to cars moving; the signal is not strong enough.

\* Please contact with your dealer if still has problem, or contact with manufacturer for repair guide or technology support.

## 8. Technical Parameters

Input frequency: VHF 177.5MHz - 226.5MHz

UHF 474MHz - 858MHz

Modulate: QPSK/16-QAM/64-QAM

Decode standard: MPEG2 ,MP@ML ,MP@HL ,H.264/AVC

Audio decode standard: MPEG-1,and-2, layer and2,MPEG-4,HE-AAC

4 Way Video Output:

Output Resistance: 75 ohm

Output Voltage:  $1.0 \pm 2.0$ mVp-p

Audio output: 2Vp-p

General Technical Parameters

Power Supply: DC 12V 8W

Connecting Terminal:

External antenna input jack, Quadrate car power input jack, Audio/  
Video , Audio/Video (AV) output jack,Extern remotecontrol cord jack,  
External power supply input jack, USBupgrade socketComponent  
output interface, High-definition output interface.

Applicable Power Supply: Car storage battery (12V)

Outer Dimension: 178mm × 116mm × 25mm

Weight: 515 G

Application Temperature: -5~40℃

Storage Temperature: -20~60℃

### **Warning**

This operation instruction is only intended for reference. No further notice is available to any modification of all information contained therein. Due to continuing improvements, the features and design are subject to change without notice.

### **Warning**

No repairable components exist in the machine. Don't try to dismantle and improve the TV box, and the high voltage in the machine may cause danger. Maintenance and adjustment of the TV box is subject to professionals.

## **WARNING**

- To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instruction.
- The mains plug is used as the disconnect device, the disconnect device shall remain readily operable, and it shall be disconnected
- The plug is used as disconnect device from the mains supply, the plug shall remain readily operable.
- The apparatus should not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- No naked flame sources, such as lighted candles, should be placed on the apparatus.