DENVER DTB-136H
H.265 DVB-T2 RECEIVER

USER MANUAL

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Safety Information

To reduce the risk of fire or electric shocks, do not expose this product to rain or humidity. To avoid electric shocks, insert the plug firmly in the electric socket. The equipment must not be exposed to spills or splashes of liquid, and objects containing water, such as glasses, should not be placed on top of it.
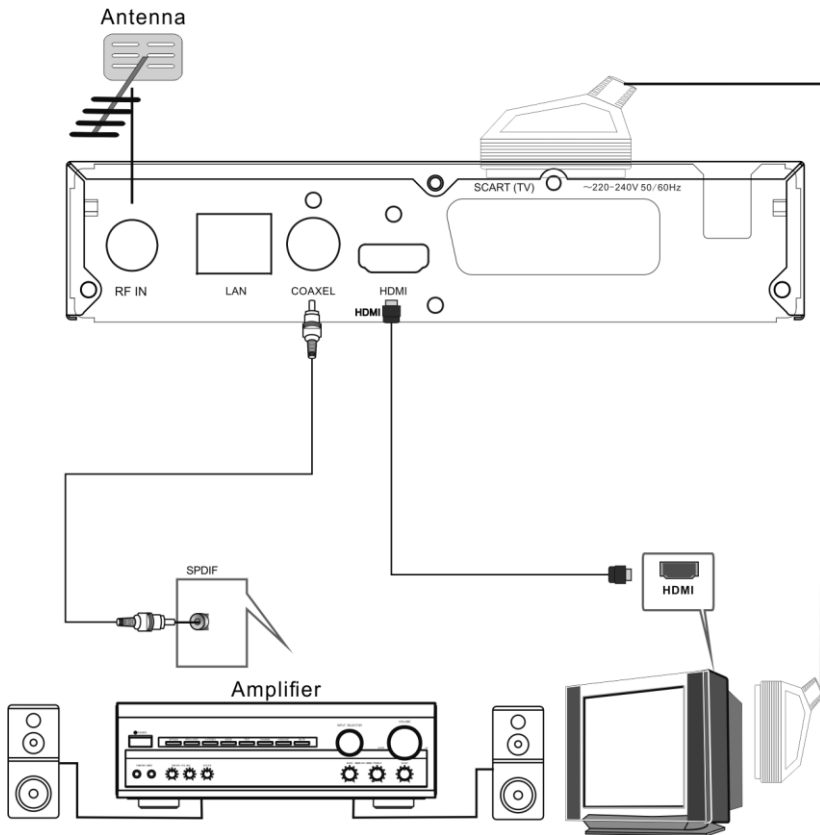
Package Contents

Before installation, please check the contents of the package. The package should contain the following items:

- DVB-T2 Receiver   1 pc
- Remote Control   1 pc
- AAA Battery for the Remote Control   1 pair
- User Manual   1 pc

DVB-T2 Receiver

Remote Control

AAA Battery

User Manual

System Connection

For a basic connection from you Set Top Box to your television set, you can use SCART connection. For a higher quality connection, use a direct HDMI connection, as shown below. Connect an audio amplifier use coaxial is an optional.

Remote Control

POWER: Switch the receiver in and out of standby mode.

SUB-T: Display subtitle options (availability depends on the channel).

TTX: Switch on Teletext, if current channel has this option, and use EXIT key to quit Teletext.

MUTE: Switch volume on/off.

EPG: Shows the Electronic Program Guide.

LANG:

PAGE-/PAGE+: To navigate inside the menus.

GOTO: Goto desired time in multimedia file.

REPEAT: Repeat play multimedia file.

VOL-/VOL+: To increase / decrease volume.

MENU: Display main menu on TV screen

EXIT: Use this key to quit current menu.

CH-/CH+: Program changing keys.

OK: To confirm current setting, or display channel list in no-menu model.

FAV: Displays your favorite channels list.

TV/RADIO: Switch between Digital Radio and Digital TV mode.

<0>-<9>: Numeric keys.

RECALL: Go back to the previous viewed channel.

INFO: Display information about the current channel.

◄◄/►►/ I◄◄/►►I/►/||/■: Used for multimedia playback.

V-FORMAT: Switch the HDMI resolution.

ASPECT: Switch 4:3/16:9

TIMER: Access Schedule Timer menu quickly.

First Time Installation

If you are using the unit for the first time the installation Guide Menu will appear on your TV screen.

- **OSD Language:** Press LEFT/RIGHT key to select a OSD menu language.
- **Country:** Press LEFT/RIGHT key to select the country of your residence.

- **Channel Search:** Press OK key to begin automatically search.

Once channel searching is complete, you can start watching TV programs.

Basic Operation

1. Change Channel

Press [CH-/CH+] key to switch to previous/next channel.

Input channel number by numeric key and then press [OK] key to switch to desire channel.

Press [OK] key first to display TV List menu, then select channel by [UP/DOWN] key and press [OK] key to switch to the channel.

2. Volume and Mute

Press [VOL-/VOL+] to decrease/increase volume.

Press [MUTE] key to switch off the audio output, press [MUTE] key again to restore normal audio output.

3. Subtitle/Audio Language

Press [SUB-T] key to open Subtitle Language menu, press [UP/DOWN] key to select Subtitle Language or TTX subtitle, press

[OK] key to select desired subtitle.

Press [LANG] key to open Audio Channel menu, press [LEFT/RIGHT] key to change audio channel, press [OK] key to confirm and press [EXIT] key to exit Audio Channel menu.

4. Teletext

Teletext is a television information retrieval service. Press [TTX] key to access Teletext pages. Press the corresponding 3-digit page number to go to a page that you have selected. [RED/YELLOW/GREEN/BLUE] areshort cut keys that allow you quick access a particular page. Press [EXIT] key to return to TV program.

5. TV/Radio

Press [TV/RADIO] key to switch between TV program and Radio program.

6. EPG and Timer

The EPG is an on-screen TV guide that shows scheduled programs. Press [EPG] key to open EPG menu.

You can use the [UP/DOWN] key to select the preferred program. If there is more than one page of information, use the [BLUE] key for page up and the [YELLOW] key for page down. You can select another channel's EPG by [LEFT/RIGHT] keys.

7. USB

USB device can be used for media player and software upgrade.

Note: Please use a DC adaptor for the USB device if current consumption of the USB device is larger than 500mA.

7.1. Media Player

Access Main Menu -> USB -> Multimedia menu you can playback

Music/Photo/Movie on USB disk.

7.2. Software Upgrade

You can upgrade receiver software by access Main Menu -> System Setting -> Software Upgrade -> USB update.

8. Network Apps

8.1. Network Setting

You can change IP Setting by access Main Menu -> System -> Network Setting -> IP Setting. Normally, DHCP on is recommended, STB can get IP Address automatically.

8.2. Network Apps

The receiver supports RSS reader and Weather forecast.

9. Password

Some operation need password, the default password is "000000", you can change password by access Main Menu -> System -> Set Password.

If you forget the password, you can unlock the system by master password "888888".

Main Menu

You can change the system setting by access Main Menu. Press [MENU] key to open the Main Menu. Press [UP/DOWN/LEFT/RIGHT/OK] to navigate inside the menus, press [MENU] key to return previous menu, press [EXIT] key to exit main menu. Following is Main Menu and Sub Menu items:

Program	Program Edit	Option	OSD Language
	EPG		Subtitle Language
	Sort		Audio Language
	LCN		Digital Audio
Picture	Aspect Ratio	System	Parental Guidance
	Resolution		Set Password
	TV Format		Restore Factory Default
	Video Output		Information
Channel Search	Auto Search		Software Update
	Manual Search		Network Setting
	Country	USB	Multimedia
	Antenna Power		Photo Configure
Time	Time Offset		Movie Configure
	Country Region		Network Apps
	Time Zone		
	Auto Standby		
	Power On/Off		

Troubleshooting

Problem	Potential Reasons	What to do
No Picture	Power isn't connected	Connect the power
	The power switch is not on	Switch on the power
Screen show "No Signal"	Antenna cable not connected	Plug in the antenna cable
	Aerial cable is faulty	Check aerial cable and connections
No sound from speakers	No or incorrect connection withaudio cable	Connect the audio cable correctly
	Sound on mute	Turn off mute function
Only sound, no imageon the screen	Resolution not supported by TV set	Press V-FORMAT button to change resolution
	No or incorrect connection with AV cable	Make sure cables are connectcorrectly
	The program is a radio program	Press [TV/RADIO] key to shift into TV mode
Remote control is notresponding	The battery is exhausted	Change battery
	Remote control is not facing or close enough to the set top box	Adjust the position of the RemoteControl and move closer to the unit
Picture is breaking up	The signal is too weak	Check aerial cable and connections

Specifications

Item	Sub item	Parameter
Standard	DVB-T	ETSI EN 300 744
	DVB-T2	ETSI EN 302 755
Tuner	RF in Connector	IEC 60169-2 Female
	Input Frequency	174 ~ 230 MHz, 470 ~ 862 MHz
	RF Input Level	-78 ~ -20 dBm
	IF Bandwidth	7 MHz and 8MHz
	Modulation	QPSK, 16QAM, 64QAM, 256QAM
Video	Decoder Format	MPEG2, MPEG4 H.264, HEVC/H.265
	Output Format	PAL: 576i/576p/720p/1080i/1080p NTSC: 480i/480p/720p/1080i/1080p
	Output Port	SCART，HDMI
Audio	Decoder Format	MPEG1 (Layer 1&2&3), AC3, E-AC3,HE-AAC
	Audio Output	COAXIAL, L/R (SCART)
USB 2.0	Supported Capacity	500 GB
	Supported Media	WAV, JPEG, BMP, AVI, MKV
Power	Supply Voltage	~220-240V 50/60Hz
	Maximum Power Consumption	< 6 W
	Standby Power Consumption	<1 W (with LED screen)
Weight	0.35kg	
Size	168 x 95 x 38 mm	

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Notice about recycling

Electric and electronic equipment and included batteries contains materials, components and substances that can be hazardous to your health and the environment, if the waste material (discarded electric and electronic equipment and batteries) is not handled correctly.

Electric and electronic equipment and batteries is marked with the crossed out trash can symbol, seen below. This symbol signifies that electric and electronic equipment and batteries should not be disposed of with other household waste, but should be disposed of separately.

As the end user it is important that you submit your used batteries to the appropriate and designated facility. In this manner you make sure that the batteries are recycled in accordance with legislature and will not harm the environment.

All cities have established collection points, where electric and electronic equipment and batteries can either be submitted free of charge at recycling stations and other collection sites, or be collected from the households. Additional information is available at the technical department of your city.

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