



Twin Tuner 500GB HDD PVR

Instruction Manual • Model Number AP-500HPV

After Sales Support
TEL: 1300 886 649



N13275



TEVION[®]
vision

Twin Tuner 500GB HDD PVR

What your 1 year warranty means

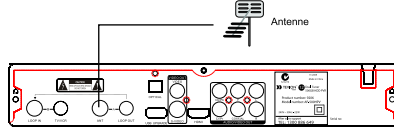
Great care has gone into the manufacture of this product and it should therefore provide you with years of good service when used properly. In the event of product failure within its intended use over the course of the first year after the date of purchase, we will remedy the problem as quickly as possible once it has been brought to our attention. In the unlikely event of such an occurrence, or if you require any information about the product please contact us via our after sales support services, details of which can be found in this manual and on the product itself.

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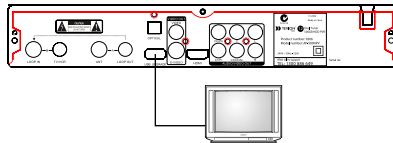
Quick installation guide for first time

- Connect the unit to your roof antenna (the antenna cable is not supplied).

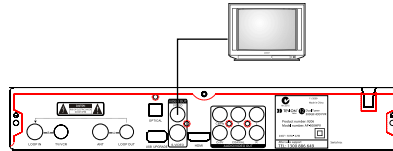


- Connect the unit to your TV. Depending on your TV, you may do it in several ways:

1. Connect the receiver with an HDMI cable (cable not included)



2. Connect the unit to the TV with a video cable.



3. Other connection possibilities exist. Please refer to the instruction manual for more details.

- Prepare the remote control. Insert 2 AAA batteries in the remote control following the polarities signs (+/-) as indicated.

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

1. Choose the menu display language.
2. Choose the reception country. Attention, make sure to choose the right reception country, otherwise, the channel search may not be carried out correctly.
3. Then, select your time zone (NSW/ACT for Australia).
4. Keep the LCN (Logical Channel Number) option ON, so that the channels can be classified in the correct order.
5. Press the Start button to begin the channel search. The DVB-T channels search starts immediately and will only take a few minutes.



if the automatic installation message does not appear:

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

NOTE: Using you remote control to access main functions.

- Press the MENU button to change the unit's configuration. You can also define your list of favourite channels, which will be directly accessible by using the FAV button on the remote control.
- Press the EPG button to view the electronic TV guide of DVB-T channels. Press this button again to view the details of a program (such information is provided by the channel and may not be always available). Press EXIT to quit the EPG menu.
- Press the AUDIO button to change the sound mode (choose "stereo" if you use the sound output from the television, or "AC3" if you have connected your home theatre to the unit with a coaxial cable), or change the audio track to another language if this option is available on the current DVB-T channel.
- To exit a menu or a sub-menu, press EXIT on the remote control to return to the previous screen.

Welcome

Congratulations on choosing to buy a TEVION® product.

All products brought to you by TEVION® are manufactured to the highest standards of performance and safety, and, as part of our philosophy of customer service and satisfaction, are backed by our comprehensive **1** Year Warranty. We hope you will enjoy using your purchase for many years to come.

Important Safety Instructions

Important safety instructions to be kept with the product, please read attentively.



To prevent fire and electric shock, do not expose this receiver to rain or moisture. In order to avoid any possible risk of electric shock, never attempt to open the unit. In case of a malfunction, reparation should be made by qualified technicians. No part of this unit should be repaired by users.

WARNING!

Presence of dangerous tension inside the appliance apparatus! Do not open. Risk of electric shock! No part should be repaired by users. The maintenance of the receiver should be carried out exclusively by qualified persons only.

Electricity Supply

- Please unplug the receiver in case of prolonged non-use.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid hazard.
- This device must be connected to a 220-240V ~ 50Hz electrical network.
- The plug must remain readily accessible after the installation of the product.
- Danger of explosion if the battery is incorrectly replaced in the Remote Control.
- Only replace the battery with the same or equivalent type.
- Before obtaining access to terminals, all supply must be disconnected.
- This appliance is not intended for use by young children or infirm persons unless they have been adequately supervised by a responsible person to ensure that they can use the appliance safely.
- Young children should be supervised to ensure that they do not play with the appliance

Proper Installation

- Place the receiver on a flat, firm and stable surface. Do not put it on a carpet or rug.
- Do not place the receiver on top of another device, such as an amplifier. This may lead to overheating.
- Do not put anything above the unit (for example, CD's or magazines).

Sufficient Ventilation

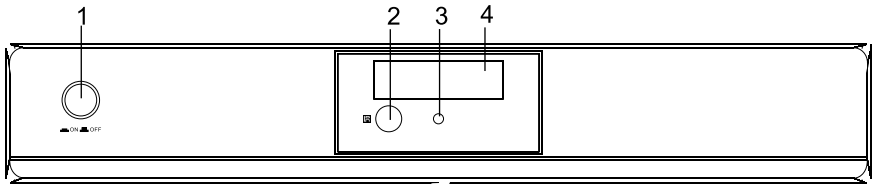
- Place the receiver in a well-ventilated location to prevent accumulation of internal heat. Allow a gap of at least 10cm to the rear and the top of the unit, as well as a space of 5cm to both sides to avoid overheating.
- Do not obstruct any ventilation openings with items such as newspapers, tablecloths, curtains, etc.

Protecting the Receiver from High Temperatures, Humidity, Water and Dust

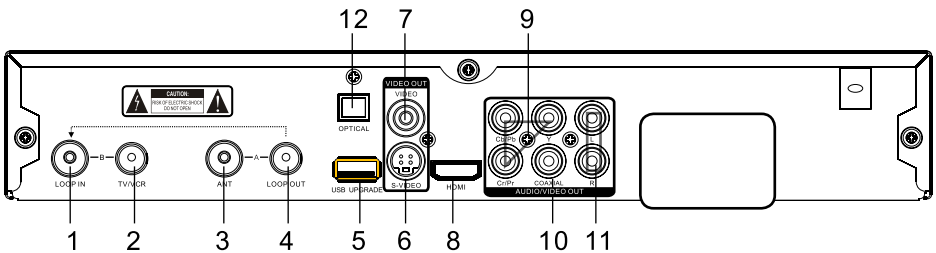
- The receiver should not be exposed to dripping water and not recommended for outdoor use.
- No objects containing liquid, such as vase is to be placed on the unit.
- Do not place any source of flames, such as lit candles on the receiver.
- This receiver should not be used outdoors where the temperature or humidity is excessive or in direct sunlight.

This product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the product by a person responsible for their safety.

Front Panel and Rear Panel



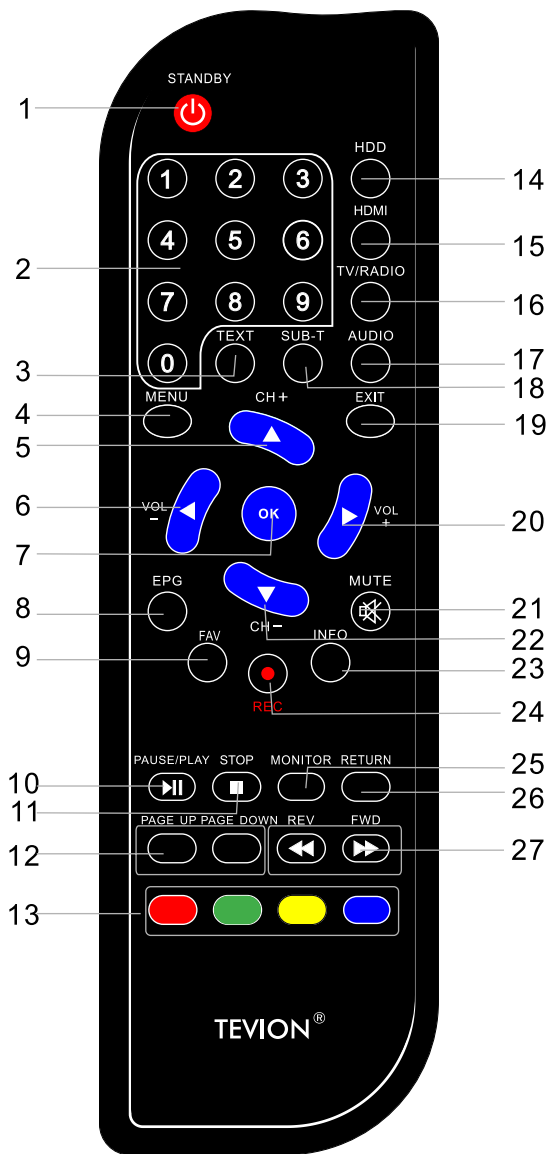
1. Power switch
2. Remote control sensor
3. Standby indicator
4. LED display



1. LOOP IN : In order to use the Two tuners function, connect the supplied antenna cable to connect the LOOP IN to the LOOP OUT socket.
2. TV/VCR : Antenna output, this connector allows you to connect your VCR or DVD recorder.
3. ANT : Antenna input, this connector allows you to connect your aerial antenna.
4. LOOP OUT : In order to use both tuners, connect to the LOOP IN socket by using the antenna cable supplied.
5. USB UPGRADE: It is used for software upgrade.
6. S-VIDEO OUTPUT : Use this output to get a picture quality higher than Composite video.
7. COMPOSITE VIDEO OUTPUT : Connect to your TV or VCR for recording or viewing signals from the receiver.
8. HDMI:High definition multimedia interface, 1080i picture quality.
9. COMPONENT OUTPUTS : If your TV does not have HDMI connection, you can use this for the highest picture quality.
10. COAXIAL: This socket connects to a coaxial socket on your home theater.
11. AUDIO OUTPUTS : Left/Right.
12. DIGITAL OPTICAL AUDIO OUTPUT : Allows you to connect a Home theater system and get a better quality sound.

Remote Controller

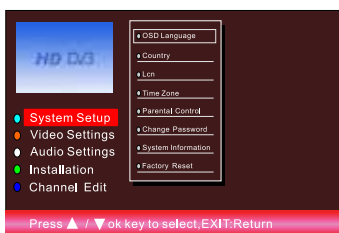
1. STANDBY : Press to place the unit in standby mode.
2. NUMBER KEYS : Used to select channel numbers or input numbers in menus.
3. TEXT : Used to open teletext OSD display if teletext available in the broadcast stream.
4. MENU : Display main menu on TV screen, press again to exit the menu.
5. CH+: Program changing keys. Move cursor up in menu item.
6. VOL- : To decrease volume. Or to move cursor left in menu item.
And to change date in the EPG environment.
7. OK : Used to confirm a selection within a menu.
8. EPG:Used to display information about the program being viewed and what's on next.
9. FAVORITE : Used to access your favourite channels.
10. PAUSE/PLAY:Used to play and pause multimedia files from HDD.
11. STOP: Stop playing HDD Media.
12. PAGE UP/PAGE DOWN:To navigate in the menu environment.
13. RED/GREEN/YELLOW /BLUE: Use to navigate between pages in teletext mode.
14. HDD: Play HDD media.
15. HDMI:Switch video output HDMI 480i/480p, 576i/576p, 720p/1080i.
16. TV/RADIO: Switch between Digital Radio and DVB-T modes.
17. AUDIO: Change the Audio language or switch to AC3 mode (availability depends on the channel).
18. SUB-T: Display subtitle options (availability depends on the channel).
19. EXIT: Use this key to quit the current menu.
20. VOL+: To increase volume. Or to move cursor right in menu item.
And to change date in the EPG environment.
21. MUTE: Mutes the volume.
22. CH- : Program changing keys. Move cursor down in menu item.
23. INFO: Display information about the current channel.
24. REC: Press "REC" button to record to HDD.
25. MONTITOR: Monitor the TV program that is recording.
26. RETURN : Go back to the previously viewed channel.
27. REV/FWD: Play HDD Media image REV/FWD speed up/down.



System Setup

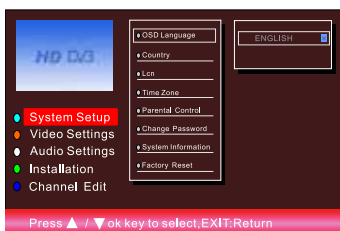
Press [Menu] key on the RCU, the main menu will be displayed on the screen.

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



• OSD language

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

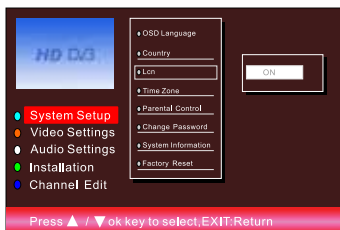


• Country

Make sure to select the correct country to make the installation successful.

• LCN (Logical Channel Number)

Used to classify DVB-T channels in the predefined order. In most of the countries, including Australia, this option must be enabled.

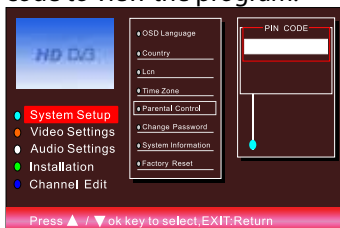


- Time Zone

In this menu adjust the time zone to NSW/ACT+10:00, QLD+10:00, SA+9:30, WA+8:00, TAS+10:00, NT+9:30.

- Parental Control

Select Parental Control to set a block based on program ratings. Highlight Parental Control and press OK. A PIN CODE Dialogue box will be displayed, enter your PIN (default code is "1234") and press OK. Once in the Parental Control sub-menu environment use the up and down arrow keys to select the level of program rating to be blocked. All programs with this rating and above will require the PIN code to view the program.



- Change Password

To change your password (PIN Code) follow these simple steps:

1. Highlight Change password and press OK to activate the Change PIN dialogue box.
2. Enter the current PIN (default is "1234") and press OK.
3. Enter your new PIN and press OK.
4. Enter your new PIN once again then press OK to verify the change.

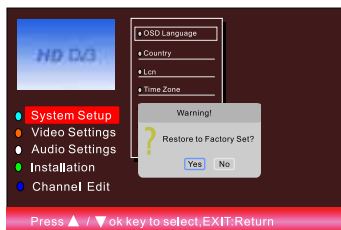


- System Information

Select this can display the system information.

• Factory Reset

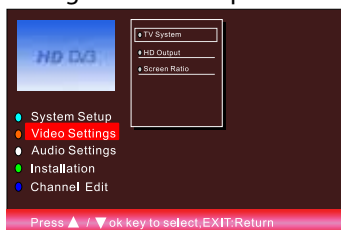
Use this option if you encounter a problem after having changed some parameters. This option will reset the unit's data to restore it to the out of factory value, thus deleting all channels. You will need to scan all Channels Afterwards.



• Video settings

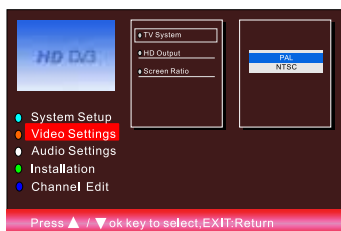
Press [Menu] key on the RCU, the main menu will be displayed on the screen.

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



• TV system

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



- **HD Output**

The High-Definition Multimedia Interface (HDMI) is a digital audio/video connector interface for transmitting uncompressed digital signals. HDMI supports, on a single cable (HDMI cable not supplied), all video formats including standard, digital, 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:

- 576i/480i
- 576p/480p
- 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 **FORMAT** button on the remote to change the HDMI resolution.

- **Screen Ratio**

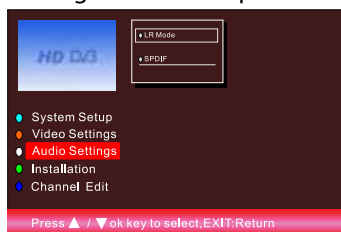
In this environment you can select the aspect ratio to match your TV, for a widescreen TV or panel select 16:9.

Highlight Screen ratio and press OK. Press OK again to activate the selection window. Use the arrow keys to select between 16:9 and 4:3 then press exit to return to the previous menu level.

- Audio setting

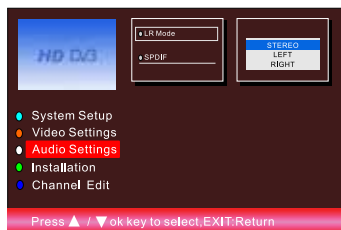
Press [Menu] key on the RCU, the main menu will be displayed on the screen.

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



- Audio LR mode

LR mode can switch left, right and stereo.



- Audio SPDIF

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

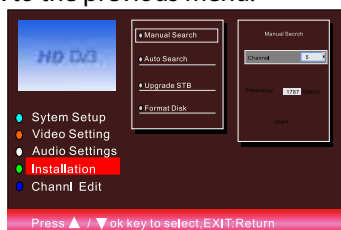
PCM Select this option when you are going to use stereo signals(2 channels).

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

Installation

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

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



• Manual Search

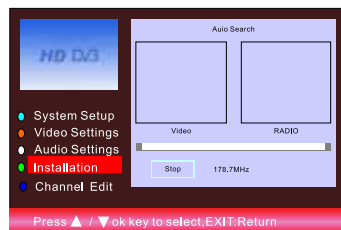
In this environment you can set the parameters to manually search for channels. Highlight the Manual Search option and press Ok to activate the Manual Search dialogue box.

1. Use the arrow key to choose between "Channel" or "Frequency", press OK to select the drop down box in either environment.
2. Use the arrow keys to make your channel selection in the Channel environment.
3. If you know the frequency to be scanned use the number keys to enter directly into the frequency dialogue box.
4. Use the arrow keys to select Start then press OK to commence Manual scanning.

• Auto Search

Auto search will scan for digital channels in your region.

1. Use the arrow keys to select Auto search in the Installation menu and press OK.
2. Auto search will automatically commence and add the scanned digital channels to the channel list.
3. Press OK at any time during the Auto Search function to stop scanning.



• Upgrade STB

This product can be upgraded by USB.

1. If or when an upgrade is required copy the upgrade file onto a thumb drive and insert into the USB port at the front of the unit.
2. Use the arrow keys to highlight Upgrade STB in the Installation menu. Press OK.
3. The system will search for an upgrade file from the USB Port and commence the upgrade process.
4. When the upgrade is complete it is recommended that you perform a Factory Default .

• Format Disk

This option allows you to format your HDD support.

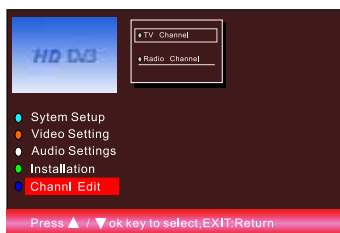
This is useful for:

- Freeing the entire disk space to make recordings.
- Making your HDD support compatible with the unit in case of problems.

NOTE: Formatting will erase all your data. It takes about 60 minutes to format the HDD.

• Channel edit

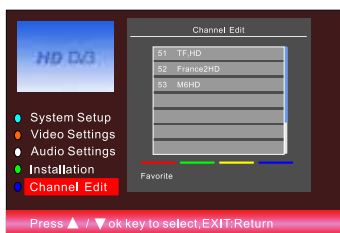
This function allows you to define a list of favourite channels. When you select the option CHANNEL EDIT, a message will appear to ask you to select whether you want to create a favourite list for DVB-T channels, or for radio stations. Select the former option to continue.



1. Press the red button to select a favorite list 1, press the red key a second time for favorite list 2, and a third time favorite list 3.

NOTE: many programs can be stored into each folder.

2. Press the UP and DOWN keys to select a channel and press OK to add this channel to the selected favourite list. A confirmation logo will be displayed next to the selected channel.
3. Press the GREEN button to enter Lock function. Press YELLOW button to enter Move function. Press BLUE button to enter Delete function.
4. Press EXIT key to quit the menu.



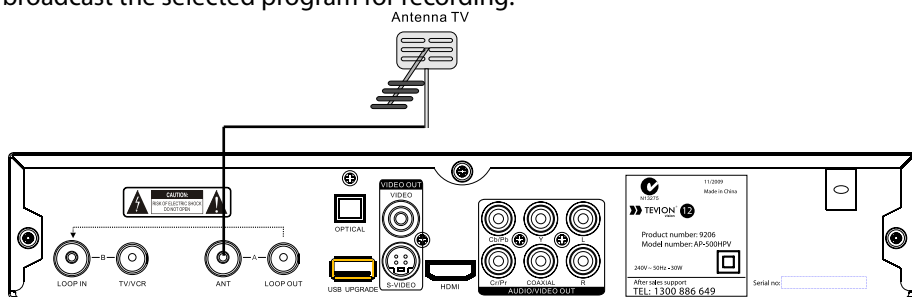
• Recording

- To record a program, press the [REC] button and the recording will commence.



NOTE: The cable between two tuners must be connected correctly when recording.

- Select the DVB-T channel you want to record and view it using CH+/- keys or the numeric keys. The A tuner broadcast information on your TV.
- Can watch another channel using CH +/- keys or the numeric keys. A tuner will broadcast the new selected channel on your TV, the B tuner will continue to broadcast the selected program for recording.

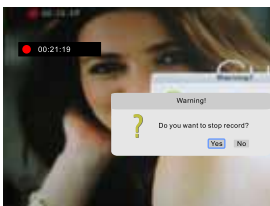


- Press [MONITOR] key to monitor the TV program that is recording, press [MONITOR] key to exit.

NOTE: if you press the STOP button within 30 sec, a message will be displayed advising you that you cannot stop the recording within the first 30 seconds.



- To stop the recording, press the [STOP] button.



- Press[HDD] key to enter playback, use the arrow key to select Video, then select PVR. Use the arrow keys to select the file you want to play and press OK. It is recommended to use a high speed device for recording.



- HDD

While the unit is on, press the HDD button to access the list of all recordings made on the HDD.

- File explore

Red button - delete: Delete the selected folder.

Yellow button - Make dir: Create a new folder.

Blue button - Delete all: Delete all contents within the folder.

Green button - Set record path: Setup the default record path.



- To create a folder

Select the yellow button and the drop down keyboard will appear. Enter the folder name by moving the cursor.

When you enter the folder name and you have made a mistake and wish to change it, do not press the enter button. If you press enter and the folder name is incorrect, you can select the folder name and then press the red button, this will then delete the folder. Then create a new folder.

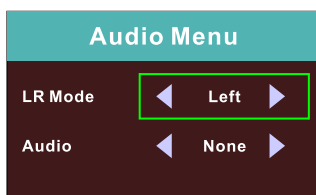
NOTE: If you have recorded to the folder and wish to delete it, you can only do this by selecting FORMAT HDD in the main menu.

- HDD playback

When playing a recorded program, you can press the INFO button during play and view the recorded time.

- Audio menu

Some channels may be broadcast in 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.

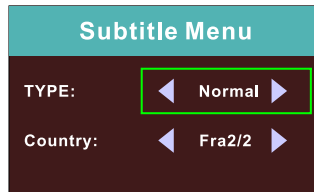
Alternatively, you can also change the AUDIO MODE from this menu. Some channels may be broadcast into AC3 format. You can choose AC3 if you have a home theater, and only if you have connected your DVB-T unit to your home theater with a coaxial cable.

NOTE:

- 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 choose 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.

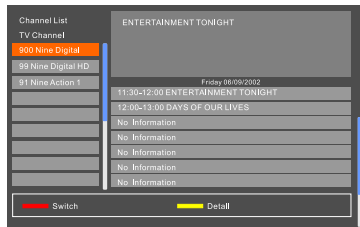
- Subtitles

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



- EPG

The electronic program guide (EPG) gives you immediate access to the channel TV program for future TV programs. 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.

NOTE: EPG availability depends on the channels. This function may not be available when the channel does not broadcast this information. To select next day, press Red Button. To select details, press the Yellow button.

FAQ's

Symptom	Possible Cause	Remedy
LED on front panel does not light.	AC power cord disconnected	Connect power cord properly into the power socket
No picture or sound	Wrong connection of the video/audio output to TV input terminal	Connect two terminals correctly with RCA or Scart cable
	Wrong Connection of antenna cable	Connect the antenna cable correctly
	Wrong direction of antenna	Adjust the direction of antenna
	No signal or weak signal	Check the cable connections, TV and other equipment connected between the TV and the receiver or adjust the antenna
	Wrong setting of channel information in menu screen	Type the setting value correctly
Black and white screen or V-Hold	Your TV mode is different from Set Top Box broadcasting mode	Use AV mode
The remote controller is not working	Battery exhausted	Change the batteries
	Fluorescent light interfering with the remote controller	Switch off the light
	Remote controller is incorrectly aimed	Select clear flow between remote and the STB
Distorted menu screen	Too high brightness and contrast level of TV set	Adjust brightness and contrast to low level
Not working	Process Down	Unplug the power from the wall and plug back into the wall.
Remote control locking or you cannot access any function	If you press 2 buttons at the same time or incorrect selection	To turn the unit OFF and then turn it back ON. This will reset any function.

Technical Specification

Item	Specification	
Tuner	Frequency Range	VHF:174MHz to 230MHz UHF:470MHz to 860MHz
	Input Impedance	75 Ohms unbalanced
	Signal Input Level	-78~-25dbm
	Bandwidth	6/7/8MHz
Demodulation	Demodulator	COFDM
	DFDM Modulation	2K,8K FFT,SFN and MFN
	Packet Carries	2K/8K
	Guard Interval	1/4,1/8,1/16,1/32
Connectors	RF IN	IEC 169-2 female connector
	RF LOOPTHOUGH	IEC 165-2 male connector
	COAXIAL	RCA,for SPDIF digital audio output
	HDTV Output	HDMI 1.3
	USB	USB UPGRADE
	Composite Video	RCA
	Compoent Video	RCAX3
	S-Video	Mini DIN 4
Power	Optical	SPDIF Digital Audio Output
	Input	240V~ 50Hz
Display	Consumption	22W max
	Decoder Module	PAL,NTSC
	Resolution	720×576(PAL);720×480(NTSC)
Decoding	Aspect Ratio	4:3,16:9
	Video	MPEG-2:MP@ML,MP@HL H.264/AVC:HP@L4.1, MP@L4.1,3.2 VC-1:AP@L3, L2
	Audio	MPEG-1 and -2,layer 1 and 2 MPEG-4 HE-AAC
Other	Compliance	ETSI EN 300 744 DVB-T Compliance
	Sound Mode	Right,Left,Stereo
	Hard Disk	500GB SATA HDD

NOTE:
