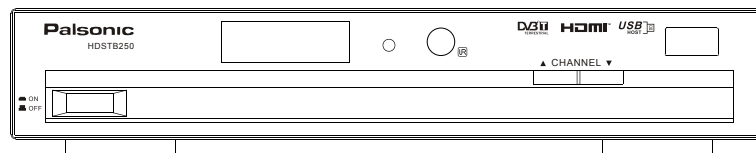


Palsonic

User Manual

High Definition Digital Set Top Box



HDSTB250

Please read this User Manual carefully to ensure proper use of this product and keep this manual for future reference.

Important Safety Instructions

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings, install in accordance with the instructions.
- 8) Do not install near any heat source such as radiations, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized plug. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 13) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 14) Mains plug is used as the disconnect device, the disconnect device shall remain readily operable.
- 15) The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloth, curtains, etc.
- 16) No naked flame sources, such as lighted candles, should be placed on the apparatus.
- 17) Attention should be drawn to the environmental aspects of battery disposal.
- 18) The use of apparatus in moderate climate.
WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
WARNING: The batteries shall not be exposed to excessive heat such as sunshine, fire or the like.



The symbol indicates that dangerous voltages constituting a risk of electric shock are present within this unit.



The symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.



This symbol indicates that this product incorporates double insulation between hazardous mains voltage and user accessible parts. When servicing use only identical replacement parts.



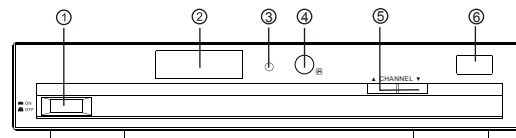
CAUTION:
When the apparatus was in electrostatic circumstance, it may be malfunction and need to reset by user.

Table of Contents

Front and Rear Panel.....	1
Remote Control.....	2
Connecting to a Television.....	3
Connecting to a DVDRecorder or VCR.....	3
Connecting to an Audio System.....	4
First Time Installation.....	4
Troubleshooting.....	9
Technical Specifications.....	9

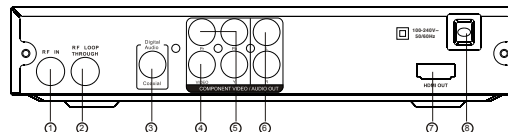
Front and Rear Panel

1. Front panel



- ① **POWER BUTTON:** Used to turn on/off the main power supply.
- ② **LED DISPLAY WINDOW:** Used to display channel number.
- ③ **STANDBY INDICATOR:** Used to visually show power state of the set top box, the LED will turn red if the set top box enter standby mode.
- ④ **REMOTE CONTROL SENSOR:** Used to receive the signal from the remote control.
- ⑤ **CHANNEL UP/DOWN:** Used to change channels without using the remote control.
- ⑥ **USB:** Data input from USB storage devices.

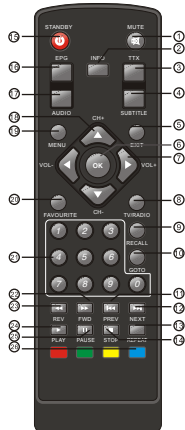
2. Rear panel



- ① **RF IN :** This socket connects to your external Aerial.
- ② **RF LOOP THROUGH:** This socket will bypass the RF signal to either your TV or another video system.
- ③ **COAXIAL:** This socket connects to a Coaxial cable on your surround sound system.
- ④ **VIDEO:** This socket outputs composite video signal.
- ⑤ **COMPONENT VIDEO OUT:** These sockets connect to your TV component input terminals.
- ⑥ **AUDIO L/R:** This socket outputs Analog Audio L/R signal.
- ⑦ **HDMI :** High definition audio and video output used to connect to a HDMI device
- ⑧ **MAINS CABLE:** This is used to connect to your main power supply.

Remote Control

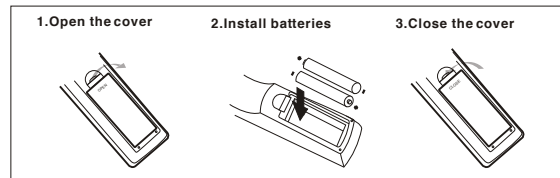
1. **MUTE**: Mute or Restore Audio Output.
2. **INFO**: Displays additional channel information.
3. **TTX**: Displays Teletext Information.
4. **SUBTITLE**: Selects Subtitles Language.
5. **EXIT**: Exits the current Menu or returns to the previous Menu.
6. **OK**: Confirms an entry or selection. Displays the list of channels.
7. **RIGHT /LEFT**: Navigates through the Menus. Increases or decreases volume.
8. **TV/RADIO**: Switches from TV function to Radio function and from Radio to TV.
9. **RECALL**: Used to switch between the last two viewed channels.
10. **GOTO**: Selects the playtime of media.
11. **PREV**: Skips to the previous track during playing media and skips to the previous channel during playing DTV.
12. **NEXT**: Skips to the next track during playing media and skips to the next channel during playing DTV.
13. **REPEAT**: Selects Repeat or turn off Repeat mode.
14. **STOP**: Stops media play.
15. **STANDBY**: Switch the product to on or standby.
16. **EPG**: (Electronic Program Guide) Turns the program guide on.
17. **AUDIO**: Selects an Audio Language or Audio Mode.
18. **UP /DOWN**: Navigates through the Menus. Selects the next or previous Channel.
19. **MENU**: Turns on Main Menu.
20. **FAVOURITE**: Turns on Favourite Menu.
21. **0-9 (Numeric Buttons)**: Selects a channel or setting.
22. **FWD**: Searches forwards during media play.
23. **REV**: Searches backwards during media play.
24. **PLAY**: Starts or resumes media play.
25. **PAUSE**: Pauses media play.
26. **COLOUR BUTTONS**: Operate different function in TEXT screen.



Installing the Batteries

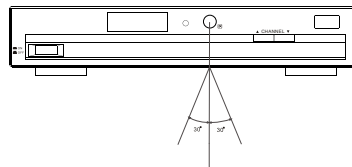
Remove the battery cover from the Remote Control and put 2xAAA size batteries inside the compartment.

The diagram inside the Battery Compartment shows the correct way to install the batteries.



Using the Remote Control

To use the Remote Control, point it towards the front of the Digital Set Top Box. The Remote Control has a range of up to 7 metres from the Set Top Box at an angle of up to 60 degrees.



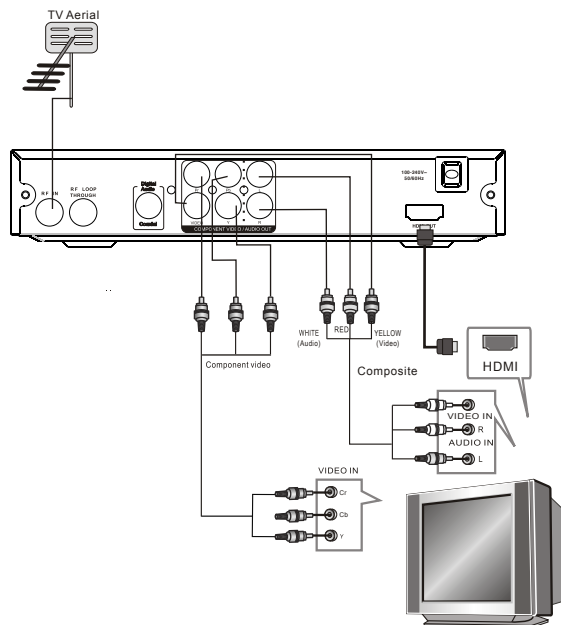
The Remote Control will not operate if its path is blocked.



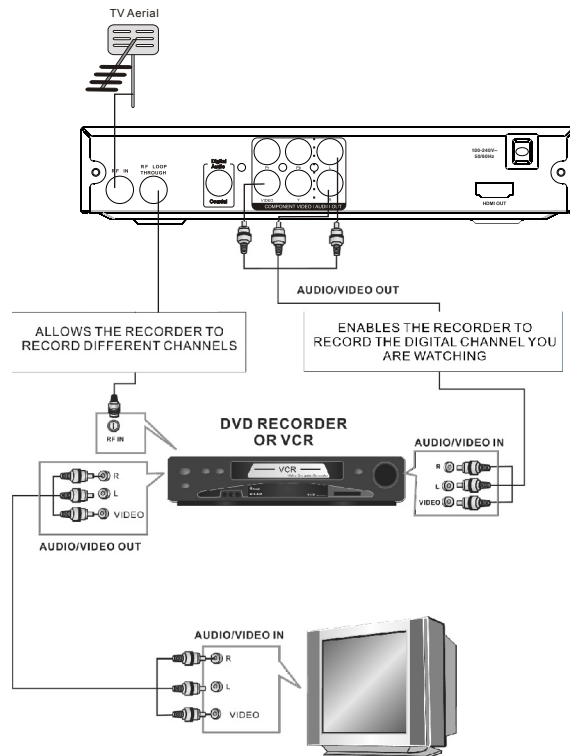
Sunlight or very bright light will decrease the sensitivity of the Remote Control.

Connecting to a Television

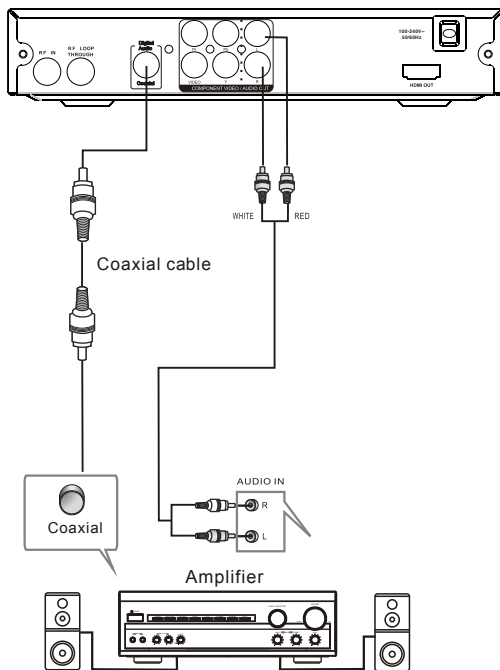
For a basic connection from your Set Top Box to the television, use the Composite connection outlined below.
For a higher quality connection, use the Component Video connection outlined below combined with the Composite Audio.
For the highest quality connection use a direct HDMI connection, see below.



Connecting to a DVD Recorder or VCR



Connecting to an Audio System



First Time Installation

After all connections have been made properly, switch on TV and make sure the receiver is connected to the MainPower. Press Power button to switch receiver on. If you are using the receiver for the first time or restored to Factory Default, the Main Menu will appear on your TV screen.



- (1) Select [OSD Language] and press RIGHT/LEFT key to select an language
- (2) Select [Country] and press RIGHT/LEFT key to select your country of residence
- (3) Select [Channel Search] and press RIGHT or OK key to begin Automatic channel search
- (4) Once channel tuning is complete, you are now ready to watch TV

Basic Operation

(1) Program Manage Settings

To access the Menu, press the MENU button and select [Program]. The Menu provides options to adjust the Program Manage Settings. Select an option and press OK or RIGHT to adjust that setting. Press the EXIT button to exit the Menu.



(2) Program Edit

To edit your program preferences (lock, skip, favourite, move or delete), you will need to enter the Program Edit Menu. This Menu requires a password to access. Enter the default password '000000'.



Set Favourite Program

You can create a shortlist of favourite programs that you can easily access. Set Favourite TV or Radio program:

1. Select the preferred program then press the FAVOURITE button. A heart-shaped symbol will appear and the program is marked as a favourite.
2. Repeat the previous step to select more Favourite programs.
3. To confirm and exit the Menu, press the EXIT key.
Disable favourite TV or Radio Program:
Press the FAVOURITE button on the Remote Control with the heart-shaped symbol.

View Favourite Program

1. Press the Favourite button and the Favourite Menu will appear.
2. Press UP/DOWN to select your Favourite Programs.
3. Press OK to select your favourite program.

Delete a TV or Radio Program

1. Select the Program and then press the BLUE button. A message will appear. Press OK to delete the program.
2. Repeat the previous step to select more programs to delete.

Skip TV or Radio Program

1. Select the program you would like to skip and press the GREEN button. A skip symbol is displayed. The program is marked as a skip.
2. Repeat the previous step to select more programs.
3. To confirm and exit the menu, press the EXIT key.
Disable a skip TV or Radio program:
Press the GREEN button on the skip program with the skip symbol.

Move a TV or Radio Program

1. Select the preferred program then press the RED button. A move symbol will appear.
2. Press UP/DOWN to move the program.
3. Press OK to confirm.
4. Repeat the above steps to move more channels.

Lock Program

You can lock selected programs for restricted view.

Lock a TV or Radio Program:

1. Select the preferred program then press the YELLOW button. A lock-shaped symbol is displayed. The program is now marked as locked.
2. Repeat the previous step to select more programs.
3. To confirm and exit the menu, press the EXIT button.
4. Press the YELLOW button to disable the locked program.
5. To view the locked program, you will be required to enter either the default password '000000' or your last set password.

(3) EPG (Electronic program guide)

The EPG is an on-screen TV guide that shows scheduled programs seven days in advance for every tuned channel. Press the EPG button on the Remote Control to access guide.



You can use the UP/DOWN key to select the preferred program. If there is more than one page of information, use the BLUE button for page up and the YELLOW button for page down.

(4) Sort

Sort your channels from the following options:

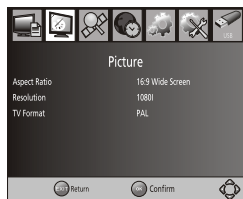
- [LCN] - Sort the channels in ascending order
- [Name] - Sort the channels in alphabetical order
- [Service ID] - Sort the channels according to the station

5 (5) LCN (Logical channel number)

Set LCN on or off.

(6) Video Setting

To access the Menu, press MENU then select [Picture]. The Menu provides options to adjust the video settings. Press UP/DOWN to select an option and press RIGHT/LEFT to adjust that setting. Press EXIT to exit the menu.



(1). Aspect Ratio

You must set the display format to either 4:3 PanScan, 4:3 Letter Box, 16:9 Full Screen or Auto to get the maximum display when watching TV.

(2). Resolution

If the video does not appear correctly, change the setting. This setting is to match the most common setting for HDMI.

[480i]: for NTSC system TV.

[480P]: for NTSC system TV.

[576i] for PAL system TV.

[576P]: for PAL system TV.

[720P]: for NTSC or PAL system TV.

[1080i]: for NTSC or PAL system TV.

(3). TV format

If the video does not appear correctly, you need to change the settings. This should match the most common setting for TVs in your country.

[NTSC]: for NTSC system TV.

[PAL]: for PAL system TV.

(7) Channel Search

To access the menu, press MENU and select [Search Channel]. The Menu provides options to adjust the Search Channel settings.

Select an option and press RIGHT/LEFT to adjust the settings.

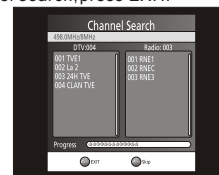
Press EXIT to exit the Menu



1. Auto Search

Search and install all channels automatically. This option overwrites all preset channels.

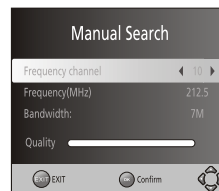
1. Select [Auto Search] and press OK or RIGHT to start channel search.
2. To cancel channel search, press EXIT.



2. Manual Search

Install new channels manually. This option adds new channels without changing the current channels list.

1. Select [Manual Search] then press OK or RIGHT. The channel search screen will appear.



2. Press the RIGHT/LEFT key to select the channel frequency
 3. Press OK to start searching channels
 If a channel is found, it is saved and added to the channels list. If channels can't be found, then exit the menu.

(3) Country

Select your country of residence.

(4) Antenna power

Enable Antenna Power if an external active antenna is connected.

(8) Time Setting

To access the Menu, press MENU then select [Time]. The Menu provides options to adjust the time settings.

Press UP/DOWN to select an option and press RIGHT/LEFT to adjust the settings. Press EXIT to exit the menu.



(1) Time offset

Select auto or manual for GMT offset adjustments.

(2) Country Region

Select the Country Region when [Time Offset] is set to Auto.

(3) Time Zone

Select the Time Zone Offset when [Time Offset] is set to Manual.

(4) Sleep

If this setting is off, this function does not work. If this setting is not off, a message will popup after your preferred time to inform you, that the device will go into sleep mode.

This message will appear under no any operation. Auto-off function can be set in a time period at 0-12 hours.

Standard setting is 3 hours.

Press STANDBY button to exit sleep / auto-off mode.

(9) Option

To access the Menu, press MENU and select [Option]. The menu provides options to adjust the OSD Language, Subtitle Language and Audio Language.

Select an option and press RIGHT/LEFT to adjust the setting.

Press EXIT to exit the Menu



(1). OSD Language

Select an OSD language

(2). Audio Language

Select the preferred audio language for watching TV channels.

If the language is not available, the default program language will be used.

(3). Subtitle Language

Select the preferred subtitle language.

(4). Digital Audio

Select digital audio output mode.

(10) System Setting

To access the Menu, press MENU and select [System]. The menu provides options to adjust the system settings.

Press the UP/DOWN key to select an option and press RIGHT/LEFT to adjust the setting.

Press EXIT to exit the Menu .



(1) Parental Guidance

You can restrict access to channels that are unsuitable for children. To restrict/lock the channel you will need to enter either the default password '000000' or your own password.

(2) Set Password

Set or change the password for locked programs. Enter your old password or the default password '000000'. You will then be asked to enter your new password. To confirm re-enter your new password. Once it is confirmed, press EXIT to exit the Menu.

(2) Set Password

Set or change the password for locked programs. Enter your old password or the default password '000000'. You will then be asked to enter your new password. To confirm re-enter your new password. Once it is confirmed, press EXIT to exit the Menu.

(3) Restore Factory Default

Reset your Set Top Box to the Default Factory Settings.

In Main Menu select [Restore Factory Default] and press OK or RIGHT to select. Enter your password or the default password '000000' and press OK to confirm. This option will delete all preset channels and settings.

(4) Information

View model, hardware and software information.

(5) Software update

If the status is set 'ON', it will scan new software from broadcast according to your preferred time in 'Start time'.

(11) USB

To access the Menu, press the **MENU** button and select [USB]. The menu provides options to playback Music and Photo files, it can support MP3, WMA, JPEG, BMP files, The unit will only support USB device with FAT and FAT32 file system. It will not support NTFS file system.



(1) Multimedia: if no USB device plug in, a warning message "No USB Device is Found" displays, otherwise you can select the Music or Photo type in this menu and press OK to enter the file browser and select the file to playback.



(2) Photo configure:

- **Slide Time:** adjust slide show interval to 1~8 seconds.

- **Slide Mode:** adjust slide show effect as mode 0~59 or random.

- **Aspect Ratio:** **Keep** displays the picture as its original aspect, **Discard** displays the picture in full screen mode.

(3) Movie Configure

- **Aspect Ratio:**

[Keep]: Play movie as its original aspect.

[Discard]: Play movie in full screen mode.

- **Subtitle Specific:**

[Small]: Displays the subtitle as small mode.

[Normal]: Displays the subtitle as normal mode.

[Big]: Displays the subtitle as big mode.

- **Subtitle BG:**

[White]: Displays the subtitle in white background.

[Transparent]: Displays the subtitle in transparent background.

[Grey]: Displays the subtitle in grey background.

[Yellowgreen]: Displays the subtitle in yellowgreen background.

- **Subtitle Font Color:**

[Red]: Displays Subtitle in red font.

[Blue]: Displays Subtitle in blue font.

[Green]: Displays Subtitle in green font.

Note:

- We cannot guarantee compatibility (operation and/or bus power) with all USB mass storage devices and assumes no responsibility for any loss of data that may occur when connected to this unit.

- With large amounts of data, it may take longer for the system to read the contents of a USB device.

- Some USB devices may not be properly recognized.

- Even when they are in a supported format, some files may not play or display depending on the content.

Troubleshooting

Problem	Potential Reasons	Whatto do
No picture	Power isn't connected	Connect the power
	The power switch is not on	Switch on the power
Screen shows "No Signal"	DVB-T cable not connected	Plug in the DVB-T cable
	Incorrect setting	Reset setting
No sound from speaker	No or incorrect connection with audio cable	Connect the audio cable correctly
	Sound on mute	Turn off mute function
	Incorrect sound track	Try another soundtrack
Only sound, no image on the screen	No or incorrect connection with AV cable	Make sure cables are connected correctly
	The program is a radio program	Press <TV/RADIO> key to shift into TV mode
Remote Control is not responding	The battery is exhausted	Change battery
	Remote Control is not facing or close enough to the SetTop Box	Adjust the position of the Remote Control and move closer to the unit
The image stopped suddenly or mosaic	The signal is too weak	Strengthen the signal

Technical Specifications

Item	Sub Item	Parameter
Tuner	Input Frequency	170~230MHz 470~860MHz
	RF Input level	-25~-82dBm
	IF Bandwidth	7MHz and 8MHz
	Modulation	QPSK, 16QAM, 64QAM
Video	Decoder Format	MPEG4 AVC/H.264 HP@L4 MPEG2 MP@ML.HL
	Output Format	576P, 720P, 1080i, 4:3 and 16:9
	Output Port	HDMI
Audio	Decoder Format	MPEG-1 (layer1&2)
	Audio output	Digital audio: S/PDIF
Power	Voltage	100-240V~ 50/60Hz
	Power	Max 8W