

PROSCAN

User Manual of digital Set Top Box



PAT102

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 sources 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) Protected 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.
 - 19) The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- 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.

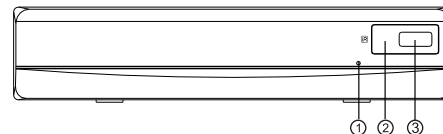
Warning!!! The USB memory stick should be plug in the unit directly. USB extension cable should not be used to avoid failing of data transferring and interference caused.

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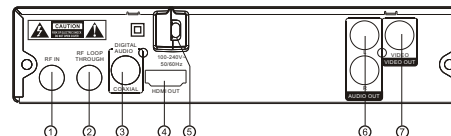
Front and Rear Panel

1. Front panel



- 1. STANDBY INDICATOR:** Used to visually show power state of the set top box, the LED will turn red if the set top box enters standby mode.
- 2. REMOTE CONTROL SENSOR:** Used to receive the signal from the remote control.
- 3. USB:** Data input from USB storage devices.

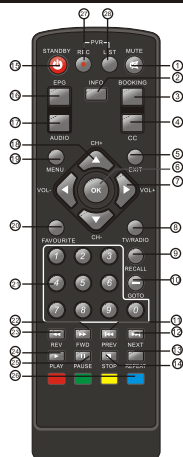
2. Rear panel



- 1. RF IN :** Connect the AirAntenna or CATV cable here.
(if the cable provider is passing through 8VSB signal.)
- 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 socket on your surround sound system.
- 4. HDMI OUT** This socket connects to HDMI in device.
- 5. MAINS CABLE:** This is used to connect to your main power supply.
- 6. AUDIO L/R:** This socket allows you to connect your Set Top Box to receive the Audio L/R signal.
- 7. VIDEO OUT:** This socket outputs composite video signal.

Remote Control

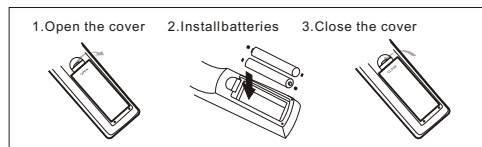
1. **MUTE**: Mute or Restore Audio Output.
2. **INFO**: Displays additional channel information.
3. **BOOKING**: Play channel, Press into schedule menu.
4. **CC**: When a digital signal is received, Service 1, Service 2,... or Service 6 can be selected, Cc1, CC2, CC3, or CC4 can be selected.
5. **EXIT**: 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 Radioto TV.
9. **RECALL**: Used to switch between the last two viewed channels.
10. **GOTO**: Selects the play time of media.
- : Press to input dash to select a channel, for example 14-1.
11. **PREV**: Skips to the previous track during playing media.
12. **NEXT**: Skips to the next track during playing media.
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.
(Green: Play channel, press this key to change the resolution <1080p, 1080i, 720p...>. Yellow: Play channel or movie, change the Aspect Ratio.)



27. **REC**: Used to record the program.
28. **LIST**: Used to show the record program list on the current disk.
(Also used with the USB play/record functions.)

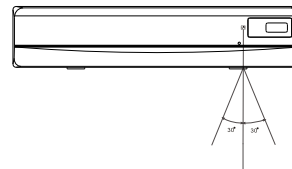
Installing the Batteries

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.



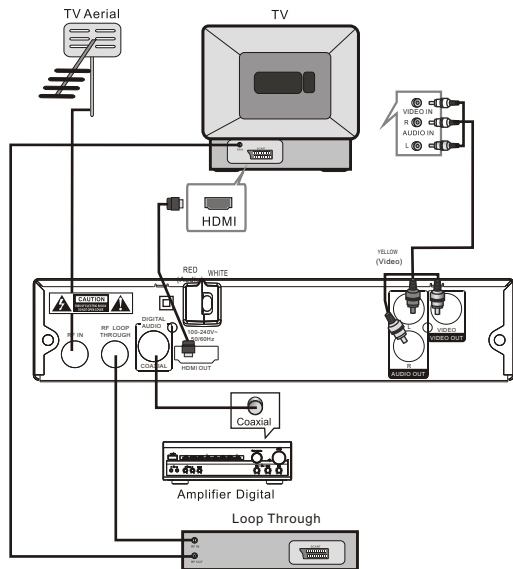
The Remote Control will not operate if its path is blocked.



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

Connections

Caution: Make sure to check the voltage specification of the wall outlet is the same rating with the receiver. To prevent the risk of electric shock, do not open the cover or the back of the receiver.



Note: When connecting the receiver to other equipment, e.g., TV, VCR and amplifier, make sure to refer to relevant user manual for instruction. Also, make sure you disconnect all the equipments from the mains supply before the connection.

First Time Installation

After all connections have been made properly, switch on TV and make sure the receiver is connected to the Main Power. 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.

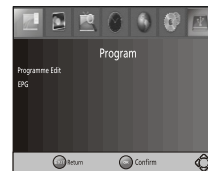


- (1) Select [OSD Language] and press RIGHT/LEFT key to select a language.
- (2) Select [Country] and press RIGHT/LEFT key to select your country of residence.
- (3) Select [Channel Search] and press RIGHT or OK key to begin Automatic channel search.
- (4) Once channel tuning is complete, you are now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

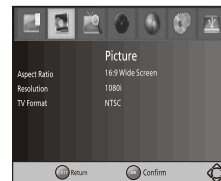
The EPG is an on-screen TV guide that shows scheduled programs seven days in advance for every tuned channel. Press the EPG button on the Remote Control to access guide.



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) 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 4:3 Full, 16:9 Pillar Box, 16:9 PanScan 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.

[1080P]: 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.

(5) 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.

a. Select [Auto Search] and press OK or RIGHT to start channel search.

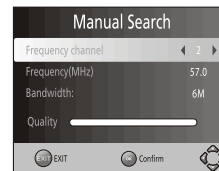
b. To cancel channel search, press EXIT.



2. Manual Search

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

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



b. Press the RIGHT/LEFT key to select the channel frequency.

c. 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.

(6) 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.



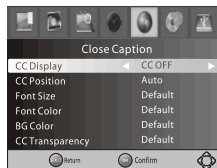
1. Time offset
Select auto or manual for GMT offset adjustments.
2. Country Region
Select the Country Region when [Time Offset] is set to Auto.
3. Time Zone
Select the Time Zone Offset when [Time Offset] is set to Manual.
4. Sleep
If this setting is off, this function does not work. If this setting is not off, but 1.2.3...hours, for example select 4 hour, a message will pop up after 4 Hours, that the device will go into sleep mode.
This message will appear under no any operation. Press STANDBY button to exit sleep/ auto-off mode.

(7) 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.



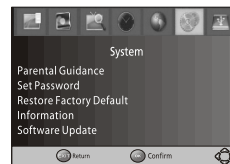
1. OSD Language
Select an OSD language.
2. Close Caption
When this item is highlighted, press the OK button will enter the Closed Caption menu as below.
In this menu, you can select CC display CC OFF/CC 1/CC 2.....
And the same you can change all above caption related parameters separately as you want.



3. Audio Language
Select the preferred audio language for watching TV channels.
If the language is not available, the default program language will be used.
4. Digital Audio
Select digital audio output mode.

(8) 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.



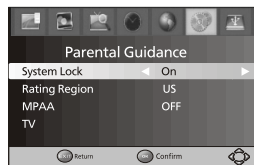
1. Parental Guidance

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.

This device support 2 rating systems used in the United States:

1). The Motion Picture Association of America's (MPAA) ratings include the following ratings: G (General Audiences-All Ages Admitted), PG (Parental Guidance Suggested. Some Material May Not Be Suitable For Children), PG-13 (Parents Strongly Cautioned. Some Material May Be Inappropriate For Children Under 13), R (Restricted, Under 17 Requires Accompanying Parent Or Adult Guardian), NC-17 (No One 17 And Under Admitted).

2). The TV Rating system include the following ratings: TV-Y (all children) and TV-Y7 (directed to older children), TV-G (general audience), TV-PG (parental guidance suggested), TV-14 (parents strongly cautioned), and TV-MA (mature audiences only). The letters FV (Fantasy Violence), V (moderate Violence), S (mild Sexual situations), L (mild coarse Language), D (mature themes suggestive Dialogue) were added to indicate the presence of violence, sex, language, suggestive dialogue respectively.



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

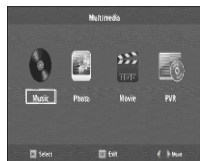
View model, hardware and software information.

5. Software Update

Upgrade software by usb, copy the upgrade file (eg: usb_upgrade_all_flash.bin) to the root directory of USB disk. Insert the USB disk to the USB jack of the machine. select the upgrade file, press [OK] button to start upgrade software.

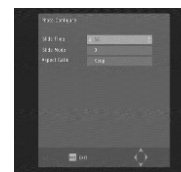
Note: please don't shut down the power of the machine during upgrade, otherwise it will destroy the machine.

(9) USB support movie playback :



To access the Menu, press the MENU button and select [USB] using the RIGHT/LEFT keys. The menu provides options to playback Music, Photo and Multimedia files. It can support AVI, MP3, WMA, JPEG and BMP formats.

1. Multimedia: When a USB device is attached you can select from the Music, Photo or Movie options in this menu using the RIGHT/LEFT keys and OK to select. If a USB device is not connected, the warning message "No USB device is Found" will appear.



2. Photo configure:

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

- Slide Mode: adjust slideshow effect as mode 0~59 or random.

- Aspect Ratio:

[Keep]: Play picture in its original aspect.

[Discard]: Play picture in full screen mode.

3. Movie Configure:

- Subtitle Font:

[Small]: Displays the subtitle as small mode.

[Normal]: Displays the subtitle as normal mode.

[Big]: Displays the subtitle as big mode.

- Subtitle Background:

[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 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 assume 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.

4. PVR Configure:

[Record Device]: Select the disk for the record.

[Format]: Format the selected disk.

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 shows "No Signal"	ATSC cable not connected	Plug in the ATSC 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 sound track
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 Set Top 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	57~213 MHz 473~803 MHz
	RF Input Level	-25~ -83dBm
	IF Bandwidth	6MHz
	Modulation	8VSB, 256QAM, 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, CVBS
Audio	Decoder Format	MPEG-1 (layer 1&2)
	Audio output	Digital audio: S/PDIF
Power	Voltage	100-240V~ 50/60Hz
	Power	Max 8W



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.