

Introduction

Thank you for purchasing this product which has been designed and manufactured to give you many years of trouble-free service.

About This User Guide

This user guide contains all the information you need to know about how to setup and watch available free view Channels using your set top box.

What is DVB-T?

It works like traditional TV, but because the signals are Digital you need a set top box to convert them. This means more channels can be transmitted with extra features such as interactivity and wide screen pictures.

PVR (Personal Video Recording) Instruction:

It supports up-to-55-hours recording time with 80G hard disk. If more than 55 hours recording time needed, you should change the hard disk with higher capacity one easily by yourself. In the case of that, it is necessary to format new HDD. Please refer to the section of PVR setting on page 15 for detail.

Accessories In the Box

Remove your Digital set top box carefully from the box and remove the packaging from each part.

You will find the following items:

- Digital set top box with fitted mains plug
- Remote Control with 2xAAA batteries (not installed)
- User Manual



Look out for this symbol. It indicates useful and important tips.



Trade Mark of the DVB Digital Video Broadcasting Project(1991 to 1996)

Safety Information

Safety is Important



To ensure your safety and the safety of others, please ensure you read the Safety Instructions before you operate this product.

Keep this information in a safe place for future reference.

Please read all the safety information before using the product.

Safety Considerations

- Position the cables so that they cannot be walked on or pinched by items placed on or against them.
- Do not use the set top box in humid or damp conditions.
- Do not allow the set top box to get wet.
- Do not expose the set top box to dripping or splashing.
- Do not place water filled objects such as vases on top of the set top box.
- Do not place naked flame sources, such as candles, on the top of the set top box.

Cleaning

- ALWAYS unplug the set top box before you clean it.
- Do not use liquid or aerosol cleaners.
- Clean the set top box with a soft, damp (not wet) cloth.

Ventilation

- The slots and openings on the set top box are for ventilation. Do not cover or block them as it may cause overheating.
- NEVER let children push anything into the holes or slots on the case.

Servicing

- There are no user serviceable parts in this set top box.
- When servicing, refer to qualified service personnel.
- Consult your dealer if you are ever in doubt about the installation, operation or safety of this unit.

Battery Disposal

- Please ensure batteries are disposed of safely.
- Never dispose of batteries in the fire or with household waste.
- Check with your local authority for disposal regulations.

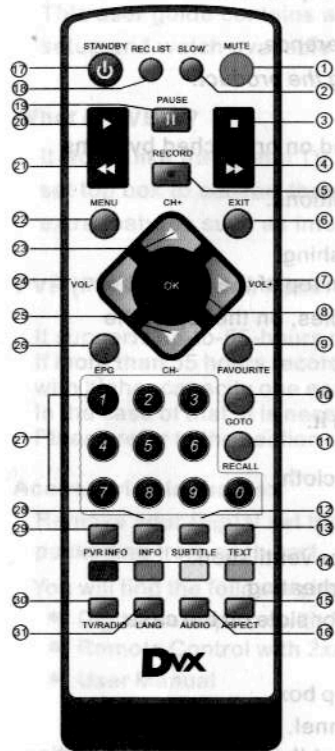


This symbol indicates that this product incorporates double insulation between hazardous mains voltage and user accessible parts. When servicing use only identical replacement parts.

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or cords.

Remote Control

Safety Information



Remote Key Function:

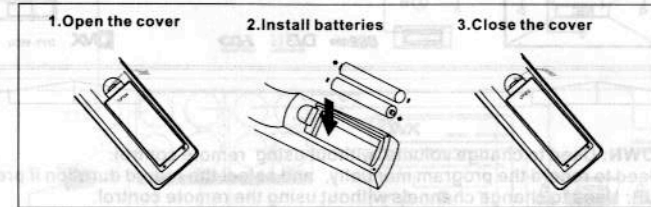
- 1) **MUTE**: Used to turn the sound on or off.
- 2) **SLOW**: Used to adjust the slow speed in HDD playback mode.
- 3) **STOP**: Used to stop the current recording or stop the HDD playback in DTV mode.
- 4) **FAST FORWARD**: Used to adjust the forward speed if in HDD time shifting playback in DTV mode.
- 5) **RECORD**: Used to record the program manually, and select the record duration if pressed again. The user can change the channel being watched when recording another program.
- 6) **EXIT**: Used to return to the previous screen or menu.
- 7) **VOL+**: Used to move around the menu screens or changing the volume in non-menu state.
- 8) **OK**: Used to confirm a selection within a menu.
- 9) **FAVOURITE**: Used to access your favourite channels.
- 10) **GOTO**: Used to select the playback start time in HDD playback mode.
- 11) **RECALL**: Used to switch between the last two viewed channels.
- 12) **SUBTITLE**: Used to switch between different subtitles that are broadcasted.
- 13) **TEXT**: Used to open teletext OSD display if teletext available in the broadcasted stream.
- 14) **COLOUR KEYS (RED/GREEN/YELLOW/BLUE)**: Used to operate different functions in TEXT screen or other menus.
- 15) **ASPECT**: Used to adjust the aspect ratio of the picture.
- 16) **AUDIO**: Used to set the sound output, the available settings are STEREO, LEFT, RIGHT, MONO.
- 17) **STANDBY**: Used to switch the set top box to on and off.
- 18) **RECORD LIST**: Used to view the recorded program.
- 19) **PAUSE**: Used to pause or playback the program being viewed.
- 20) **PLAY**: Used to resume the playback if stopped or in time shifting mode (FF, FB, SLOW etc).
- 21) **FAST BACKWARD**: Used to adjust the backward speed if in HDD time shifting playback mode.
- 22) **MENU**: Used to open the main menu window.
- 23) **CH+**: Used to move around the menu screens or selecting the channels in non-menu state.
- 24) **VOL-**: Used to move around the menu screens or changing the volume in non-menu state.
- 25) **CH-**: Used to move around the menu screens or selecting the channels in non-menu state.
- 26) **EPG**: Used to display information about the program being viewed and what's on next.
- 27) **NUMBER KEYS**: Used to select channel numbers or input numbers in menus.
- 28) **INFO**: Used to display information about the channel being viewed or further information about the program when in small EPG screen.
- 29) **PVR INFO**: Used to display the time information and progress bar and play state in HDD playback mode.
- 30) **TV/RADIO**: Used to switch between TV channels and Radio stations.
- 31) **LANGUAGE**: Used to switch between different audio languages that are broadcasted.

Note: SUBTITLE/TEXT/LANGUAGE may not available for all channels

Front Panel and Rear Panel Illustration and Safety Information

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

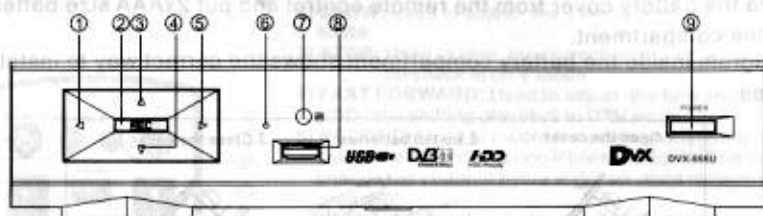
To use the remote control, point it towards the front of the digital set top box. The remote control has a range of up to 7 metres from the set top box at an angle of up to 60 degrees. The remote control will not operate if its path is blocked.



Sunlight or very bright light will decrease the sensitivity of the remote control.

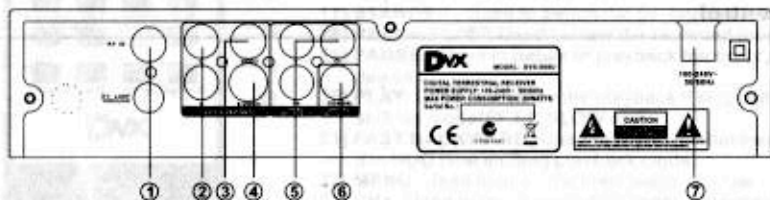
Front Panel and Rear Panel Illustration

1. Front panel



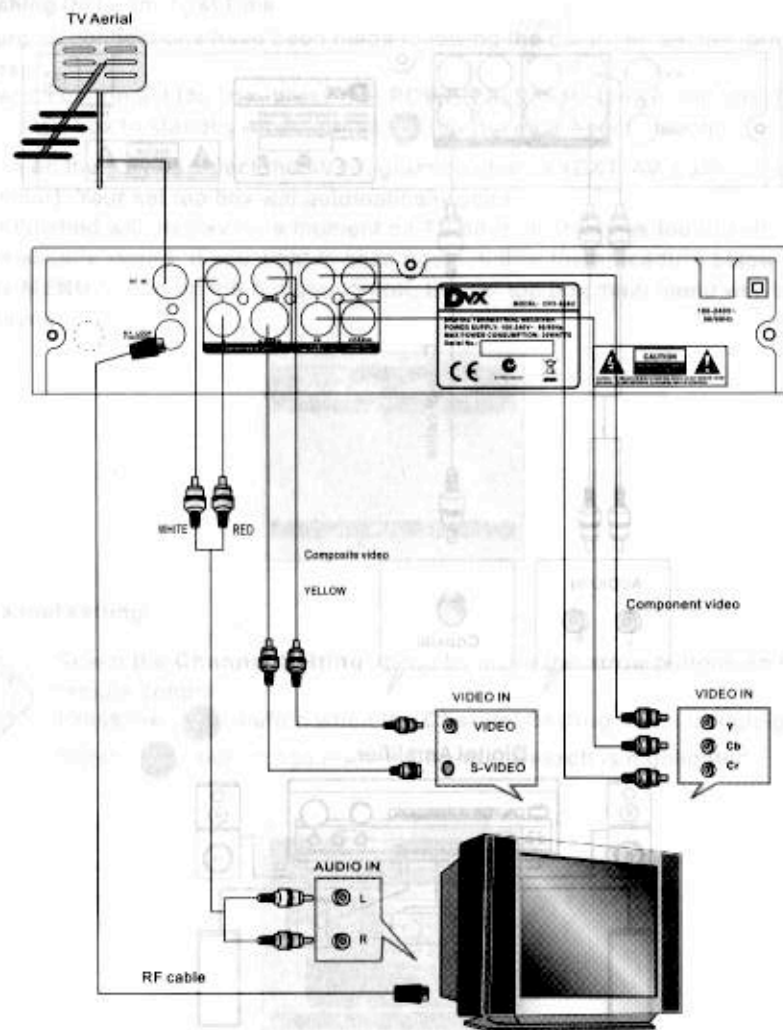
- 1) **VOLUME DOWN:** Used to change volume without using remote control.
- 2) **RECORD:** Used to record the program manually, and select the record duration if pressed it again.
- 3) **CHANNEL UP:** Used to change channels without using the remote control.
- 4) **CHANNEL DOWN:** Used to change channels without using the remote control. the user can change the watching channel if recording the specific program.
- 5) **VOLUME UP:** Used to change volume without using remote control.
- 6) **STANDBY INDICATOR:** Used to visually show power state of the set top box, the red LED will be light if the set top box entered standby mode.
- 7) **REMOTE CONTROL SENSOR:** Used to receive the signal from the remote control.
- 8) **USB:** Used to connect to an external USB device to playback the MP3/JPG files inside.
- 9) **POWER BUTTON:** Used to switch the main power of the set top box to on and off.

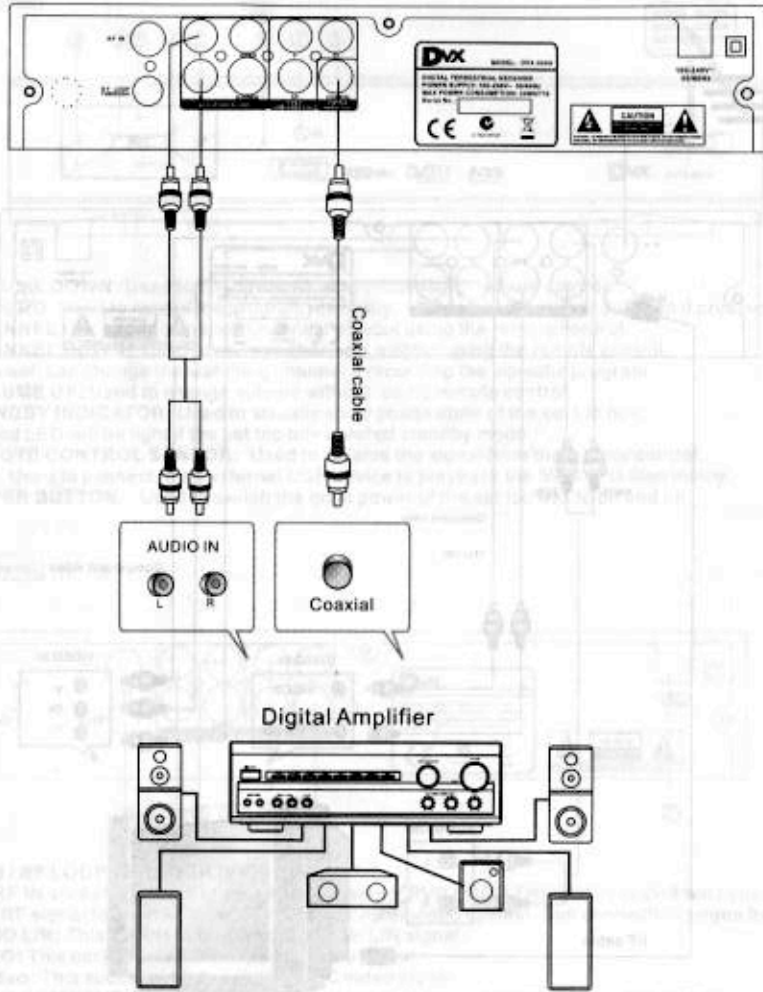
2. Rear panel



- 1) **RF IN / RF LOOP THROUGH (PVR tuner)**
PVR RF IN socket connects to your external aerial. PVR LOOP THROUGH socket will bypass the input RF signal to another tuner or your TV or other video system. See connection pages for details
- 2) **AUDIO L/R:** This socket outputs analog audio L/R signal.
- 3) **VIDEO:** This socket outputs composite video signal.
- 4) **S-Video:** This socket outputs separate Y/C video signal.
- 5) **VIDEO COMPONENT OUT (Y,Cb,Cr):** These sockets output component video signal.
- 6) **COAXIAL:** This socket connects to a coaxial socket on your surround sound system to output digital audio.
- 7) **MAIN POWER CABLE:** This is used to connect to your main power supply.

Connecting to a Television and Video





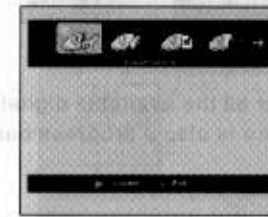
Switching On for the First Time

Ensure all connections have been made following the diagrams on the previous pages.

To switch on the set top box, press the **POWER** button on the set top box. (To turn the set top box to standby mode, press **POWER** button on the remote control).

Switch on the TV and select the AV programme channel (EXT, AV, External Source, or similar). Your set top box will automatically scan.

Scan finished will display for a moment on TV after all station is found and automatically stored. If you want to scan again, follow the procedure below: Press **MENU** button on the remote control, the set top box main menu will be displayed.



1. Channel setting



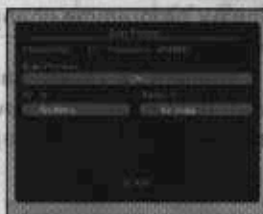
- Select the **Channel Setting** menu by using the arrow buttons on the remote control.
- Press the **OK** button when the **Channel Setting** menu is highlighted.
- Press **OK** button again when **Channel Search** is highlighted.





Select the **Auto Scan** tab by using the arrow and the **OK** buttons on the remote control.

Press the **OK** button when the **Start Search** tab is highlighted. The following menu will be displayed.



The set top box will scan for all the available digital TV and radio stations available in your area. There is also a progress bar shown as a percentage.



Do not turn off the set top box until the digital TV and radio stations have been stored. Otherwise you will need to scan for them again.

You are now ready to start viewing and listening to your digital tv and radio channels.

LCN On/Off

LCN(Logical Channel Number): A number that uniquely identifies a logical channel.

Select the **LCN** option in the **Channel Setting** menu using the arrow buttons. Press the **OK** button when selected. The following menu will be displayed.



The **LCN On/Off** option allows you to select how your channel number will be displayed in the channel list or selected when pressed the digits key.

2. System Setting

From here you can set the Time, SleepTimer, Language, Parental settings, A/V settings, PVR setting or revert to the factory settings.

① Time Setting

Press the **MENU** button and select **System Setting** option using the arrow buttons.

Press the **OK** button when selected. The following menu will be displayed.





The time zone can't be changed. The time zone information. That means the best setting will only take effect if there is no time zone information in the stream.



TimeZone Setting

Select **TimeZone Setting** option using the arrow button. Press the **OK** button when selected. The following menu will be displayed.



Press the  or  buttons until the correct time zone is displayed.


Press the **OK** button to confirm your selection.





The time zone can't be changed if the broadcast stream have time zone information. That means the user setting will only take effect if there is no time zone information in the stream.

Sleep Timer Setting

Open the **Time Setting** menu as previously explained. Highlight the **SleepTimer setting** option using the arrow buttons.

Press the **OK** and  button until the below menu is displayed.



Press the  or  button to select the sleeptime.

Press the **OK** button to confirm your selection.

② Language Setting

Select the **Language Setting** option using the arrow buttons.

Press the **OK** button when selected. The following menu be displayed.





③ Parental Setting

Select the **Parental Setting** option using the arrow buttons. Press **OK** button when selected.




Enter the right Pin Code then press the **OK** button. If the Pin code is entered incorrectly, **Pin Code Error** will be displayed.


Use the  or  buttons to select the required option, then press the **OK** button to confirm.

Change Pin Code

The Change Pin Code menu allows you to change the password, which currently defaults as **6666**.

Enter your new **PIN** code using the numerical buttons on the remote control.


Press the  button and enter the new PIN code again.

Press the  button to confirm the new PIN code.







Please note that your new PIN code must contain 4 digits.

④ A/V Setting

Select the **A/V Setting** option using the arrow buttons. Press the  button when selected. The following menu will display.



To change the settings, first use the  or  buttons to select the required menu, then use the  or  buttons to select the new option required.

TV Shape

You can select either 4:3 or 16:9 format. 4:3 should be used for standard square shaped television screens, and 16:9 should be used for wide screen rectangular shaped television screens.

Conversion

You can select Full Frame, Pan Scan or Letterbox. Choose the setting which best matches your television.

Standard

The standard setting is used to set the signal input to your TV. There are two different standards available on your set top box, PAL and NTSC.

In Australia PAL is the standard format.



If NTSC is chosen for your television you may experience interference and picture rolling.



Video Output

The Video Output setting is used to set the colour signal to your TV. There are 3 different settings available on your set top box. S-Video, CVBS, YCbCr. If you are unsure which setting to use consult the manual for your television.




If S-Video/YCbCr is chosen for a non compatible television, you will typically experience a washed out or a ghosted effect picture.

Brightness and Contrast/Saturation

You can use  and  buttons to adjust the brightness and contrast or saturation of the video output.

⑤ PVR Setting

Select the PVR setting option using the arrow buttons. Press the  button when selected. The following menu will display.



Time Shift Enabled/Disabled

This enables or disables the time shift function. The duration is up to 1 hour.

Format Hard Disc

Formatting is necessary when using the hard disc for the first time. The system will auto reset after the successful formatting

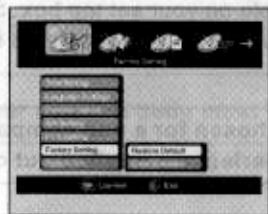
HDD Information

It will show the HDD capacity.

⑥ Factory Setting

Select the **Factory Setting** option using the arrow buttons.

Press the **OK** button when selected. The following menu will be displayed.



Restore Default

The **Restore Default** menu allows you to reset the menu settings.

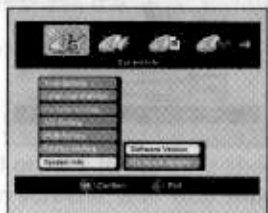
Clear Channels

The **Clear Channels** menu removes all channels from the Channel list.

To restore the channel list, you will need to rescan.

⑦ System Info

The **System Info** menu displays the software version and hardware version.



3. Channel List

The channel list is used to look at all the broadcasting TV or Radio channels received by the set top box.

To access the channel list only without edit, press the **OK** button directly in non-menu state.

To edit the channel list, press the **MENU** button and select **Channel List** using the arrow keys, press the **OK** button when it's highlighted.



To view a different channel, press either the **Left** or **Right** button, each channel selected will be previewed in the right up box.

To switch between TV and Radio channels, press the **RED** button.

To view/listen to a channel, press the **OK** button.

To Lock&Unlock/Delete/Move a channel, press the **Right** button.

To lock a channel to prevent other people from watching them, highlight the channel that you want to lock by using either **Left** or **Right** button,

press the **Right** button, press the **OK** button when highlighting Lock&Unlock in the

pop up menu, enter the right PIN code in the following PIN code form, the

channel will be locked, a lock icon will be displayed at the back of the channel

name after a successful lock operation, if the PIN code is entered incorrectly,

the "Pin Code Error" message will be displayed which indicate the operation

failed. Unlock operations work is similarly to the above lock operations.

4. Favorite List

The favorite list is used to store your frequently watched channels without having to search them in the Channel List or EPG menus.

To edit the favorite list, press the MENU button and select Favorite List using the arrow keys, press the **OK** button when it's highlighted.



Adding a Favorite Channel

First use the RED button to select a favorite group, the choices are News, Movie, MTV, Finance and Other. Then press the **▶** button and **OK** button to enter the pop up Add menu, select the channel you want to add to the specific favorite group then press the **OK** button, the added channel will be displayed in the left hand column. Repeat the same procedure until all your wanted channels have been added to the specific favorite group. Follow the same procedure for each group until all your favorite channels have been added to the favorite list.

Deleting a Favorite Channel

Follow the similar procedure of adding favorite channels, select the channel that you want to delete in the favorite list menu using the **◀** or **▶** button, press the **▶** and **◀** button to enter the pop up Delete menu, then press the **OK** button to enter delete confirmation menu, press the **OK** button to delete the selected channel from the favorite list and press the EXIT button to cancel the delete.

Viewing a Favorite Channel

To access the favorite list quickly without edit, press the FAVORITE button directly in non-menu state or other menus. To change the favorite group, press the RED button. Select the wanted favorite channel using the **◀** or **▶** button, press the **OK** button to confirm when highlighted, now you can watch the selected channel.

5. Booking List

The booking list is used to display all the booking events you booked in the EPG menu or added by user manually. The maximum booking events is up to 15.

The booking list menu as below:



It will display the event ID, start time, duration, purpose (playback or record) for each event.

To add a booking event manually, press the **OK** button in booking list menu, the event list menu will display:



The user can change the event ID using the **▶** button to start a new booking event, press the **OK** button to select the booking channel, the booking type can be ONCE, DAILY, WEEKLY, the start time and start date and duration should be valid, the booking purpose can be Record or Playback, after all the above selection is ok, switch the booking to on, the booking will take effect if the selection is valid, otherwise the related error message will be displayed.

6. EPG Menu (Electronic Programme Guide)

The EPG menu is used to look at what is being broadcast on a TV or Radio channel later in the day.

To access the EPG menu, press the **MENU** button and select the EPG menu using the arrow keys. When it is highlighted press the **OK** button to access. The following menu will be displayed:



A preview of your current channel will be displayed in the left up box. The detailed program information of your current viewed channel will be displayed in the right up area.

To see what is going to be broadcast after this programme, press the **▶** button to change the time. Each press of the **▶** button will increase by half an hour. Pressing the **◀** will move the time back half an hour.

To view a different channel, press either the **◀** button or **▶** button.

Each channel selected will be previewed in the left up side box.

To book a wanted channel for later watching or recording, press the **OK** button.

To exit the EPG menu and watch the selected channel, press the **MENU** or **EXIT** button.

Record Operations

The RECORD button.

Pressing the **RECORD** button, the record will start.

The STOP button

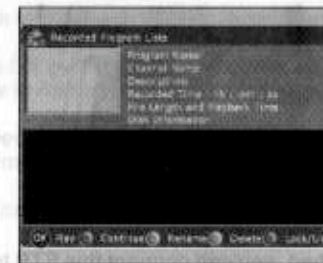
Press the **STOP** button will stop the current recording if exist.

The PVR INFO button

Press this button, the detail time information and progress bar will be displayed. When recording or playback the program.

The REC List button

Press this button the recorded program list will be displayed. You can Play/Continue/Rename/Delete/Lock&Unlock the recorded program.



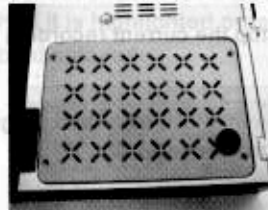
The **◀▶** button, SLOW and PAUSE button.

If the Time Shift enabled in System Setting/PVR Setting, you can use these buttons to do time shifting feature.

Hard Disk Installation

For a new hard disk, you must format it first before using it.

1. Turn off the main power of your STB and upside down it and you will see there is a trap with 4 screws at the bottom of this STB, you need loosen them off then pull up the flap which is situated on the border of the trap to open the trap.



2. You will see 2 wires which you can connect to your hard disk (80GB or 160GB or whatever size with the jumper in MASTER position). Connect the 4 pin power cable to the female power supply port of your hard disc and 40 pin flat cable to the ATAPI interface of your hard disc. You can close the trap and tighten all the screws after these 2 wires are properly connected.



3. When the assembly is finished, you can connect this STB to your TV and antenna properly and turn on it to proceed.

- 1). Press the OK button on the remote controller enter main menu, press the OK button again to enter the System Setting menu.
- 2). Press the UP or DOWN button to highlight the PVR Setting item, then press the OK button to enter its submenu.
- 3). Choose Format Hard Disk option and press OK button, you will see a warning, press the OK button, then you have to input 4 digits pin code (default is 6666) to proceed, after you pressed the OK button, the hard disk will be formatted and the box will be reset in few seconds.
- 4). Now you can use the hard disk to do recording or time shift operations when the box is turn on again.

USB Operations

This STB have a USB1.1 jack, you can playback Audio file /JPEG files or upgrade the software version via this USB port.


When you insert a USB disc with Audio file/JPEG files, you can press the MENU button to enter main menu of the STB, using LEFT/RIGHT button to highlight the MediaPlayer item, then press the OK button to enter the below USB playback interface.



The function icons listed at the bottom of the menu are described as below:

1. Return to home page: Press the OK button to return to DTV mode when it highlighted.
2. Play: Press the OK button to playback the above selected file.
3. Add to play list: Press the OK button to add the above selected file to the relevant play list, for example, Audio file to Audio List, JPG file to Image List.
4. Play list: 3 options included: Audio List, Image List, File List, you can enter to the selected play list if it's not empty.
5. Select filter content: you can select filter as Audio, Image, All Types to get different play list.
6. Play mode: You can select Play one, Play all, Shuffle, Repeat one, Repeat all, Repeat shuffle.
7. Slide show with background music: You can select Play without music, Play from current folder, Play from play lists to start playback JPG file with or without play audio file in background.

Problem	Probable cause	What to do
Standby light not lit	Mains lead unplugged Mains fuse blown	Check mains lead Check fuse
No signal found	Aerial is disconnected Aerial is damaged/misaligned Out of digital signal area	Check aerial lead Check aerial Check with dealer
Encrypted channel message	It is a pay per view channel	Select an alternative channel
No response from remote control	Set top box is switched off Remote control is not aimed correctly Front panel obstructed Remote control batteries inserted incorrectly Remote control batteries exhausted	Plug in and turn on set top box Aim remote control at front panel Check for obstructions Check batteries are inserted correctly Replace remote control batteries
Square blocks in picture or picture freezes	Aerial may not be compatible Aerial is damaged/misaligned	Check with dealer Check aerial

 If none of the above suggestions seem to work, try switching your set top box off and then on again. If this does not work, contact either your supplier or a qualified repair technician. Never attempt to repair your set top box yourself.

Power Supply

Input Voltage 100-240V~ 50/60Hz.
Power Consumption Maximum 20W, Standby 5W.

Decoder

Video Formats SD, 4:3/16:9 Switchable.
Audio Format MPEG Layer I & II, 32/44.1/48Khz.
Video Outputs CVBS, S-Video, YCbCr

Connections

Main Power Cable Fixed Type
Tuner 1 Antenna Input/ 1 Therefore Output
RCA 1 CVBS output
1 R/L output
1 COAXIAL SPDIF digital audio output
1 YCbCr output
S-VIDEO 1 S-VIDEO output
USB 1 USB1.1 PORT



This symbol on the product or in the instructions means that your electrical and electronic equipment should be disposed at the end of life separately from your household waste. There are separate collection systems for recycling in the EU. For more information, please contact the local authority or your retailer where you purchase the product.