

avtex

TFT-LCD TV

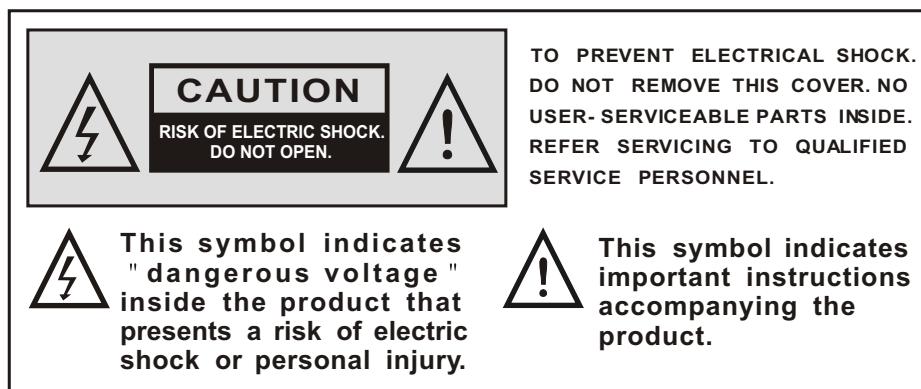
W193D

USER MANUAL

READ CAREFULLY
BEFORE OPERATION



IMPORTANT SAFETY INSTRUCTIONS



Please read this manual carefully before using this product.

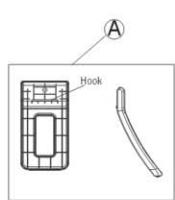
- Before connecting the AC power cord to the DC adapter outlet, make sure the voltage designation of the LCD TV corresponds to the local electrical supply. If you are unsure of your power supply, ask your local power company.
- Never insert anything metallic into the cabinet openings of the LCD TV; otherwise may cause the danger of electric shock.
- To avoid electric shock, never touch the inside of the LCD TV / adapter. Only a qualified technician should open the case of the LCD TV/adapter.
- Never use your LCD TV/adapter when the power cord has been damaged. Make sure there is nothing resting on the power cord, and keep the cord away from places where people can trip over it .
- Be sure to hold the plug, not the cord when disconnecting the adapter from an electric socket.
- Openings in the LCD TV/adapter cabinet are provided for ventilation. To prevent overheating, these openings should not be blocked or covered. Also, avoid using the LCD TV on a bed, sofa, rug, or other soft surface. As this, may block the ventilation openings in the bottom of the cabinet. If you put the LCD TV in a bookcase or some other airless space, be sure to provide adequate ventilation.
- Do not expose the LCD TV to extreme temperature conditions or to extreme humidity conditions.
- The apparatus should not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should be placed on the apparatus.

IMPORTANT SAFETY INSTRUCTIONS

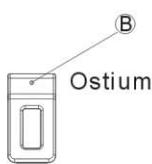
- Do not clean the front with keton-type materials (e.g. Acetone),ethyl alcohol, toluene, ethyl acide, methyl, or chloride-these may damage the panel.
- Locate your DC adapter near an easily accessible AC outlet.
- If your LCD TV does not operate normally in particular, if there are any unusual sounds or smells coming from it, unplug it immediately and contact an authorized dealer or service center.
- High temperature can cause problems. Don't use your LCD TV in direct sunlight, and keep it away from heaters, stoves, fireplaces, and other sources of heat.
- Unplug the DC adapter when it is going to be left unused for a long time .
- To reduce the risk of fire or electric shock, and annoying interference, use the recommended accessories only.
- If the LCD TV is broken, do not try to repair it yourself. Contact qualified service personnel.
- Unplug your DC adapter from the AC outlet before any service.
- Be sure the service technician uses authorized replacement parts or their equivalents. Unauthorized parts may cause fire, electrical shock, or other hazards.
- Following any service or repair, be sure the service technician performs safety checks to certify that your TFT-LCD TV is in a safe operating order.
- The apparatus with CLASS I construction shall be connected to a MAINS socket outlet with a protective earthing connection.

INSTALLATION

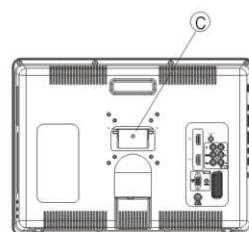
NORMAL INSTALLATION



Kickstand

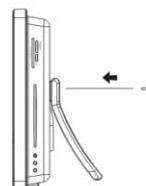
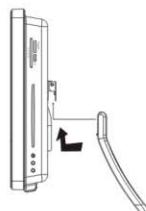


M4×10
Screw 1pcs

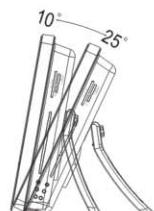
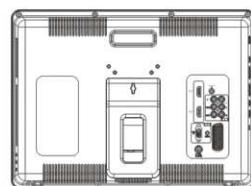


Rear viewing of LCD TV

- 1, Hook the tache (labeled A) of the kickstand onto the plate (labeled C).
- 2, Tighten the screws (M4×10) through the ostium (labeled B).
- 3, Figure ① shows the finished installation. The kickstand can rotate 15 -degree.

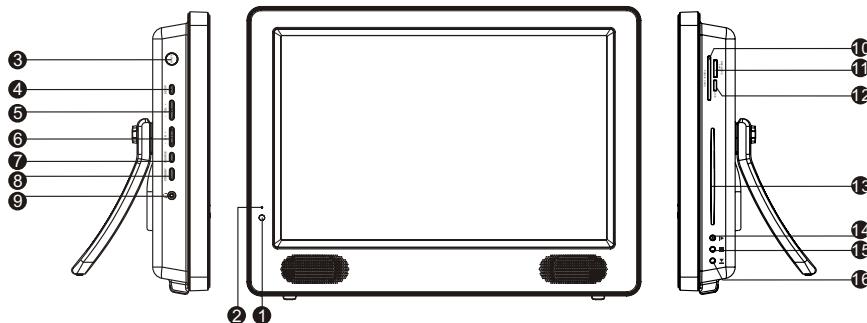


①



PANEL BUTTON FUNCTIONS

PANEL CONTROL



Front panel

- ① IR sensor window
- ② Indicator(Indicator is red when in standby mode, green when working normally.)

Left panel

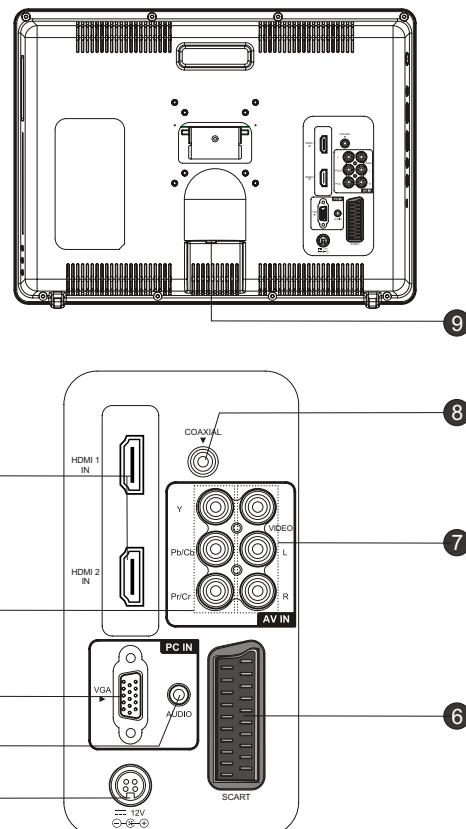
- ③ POWER(Turns on or off the power supply).
- ④ SETUP (Enter or exit setup menu)
- ⑤ VOL+/- (Increase or decrease volume)
- ⑥ CH+/- (Increase or decrease channel number)
- ⑦ SOURCE (Enter to exit source menu)
- ⑧ STANDBY (To switch between standby mode and power-on mode)
- ⑨ Headphone jack

Right panel

- ⑩ PCMCIA CARD(Slots for external Conditional Access (CA)-modules).
- ⑪ MEDIA CARD socket
- ⑫ USB jack
- ⑬ Disc in/out door
- ⑭ ▲ (Eject button)
- ⑮ ■ (Stop button)
- ⑯ ▶ (Play/pause button)

PANEL BUTTON FUNCTIONS

REAR PANEL

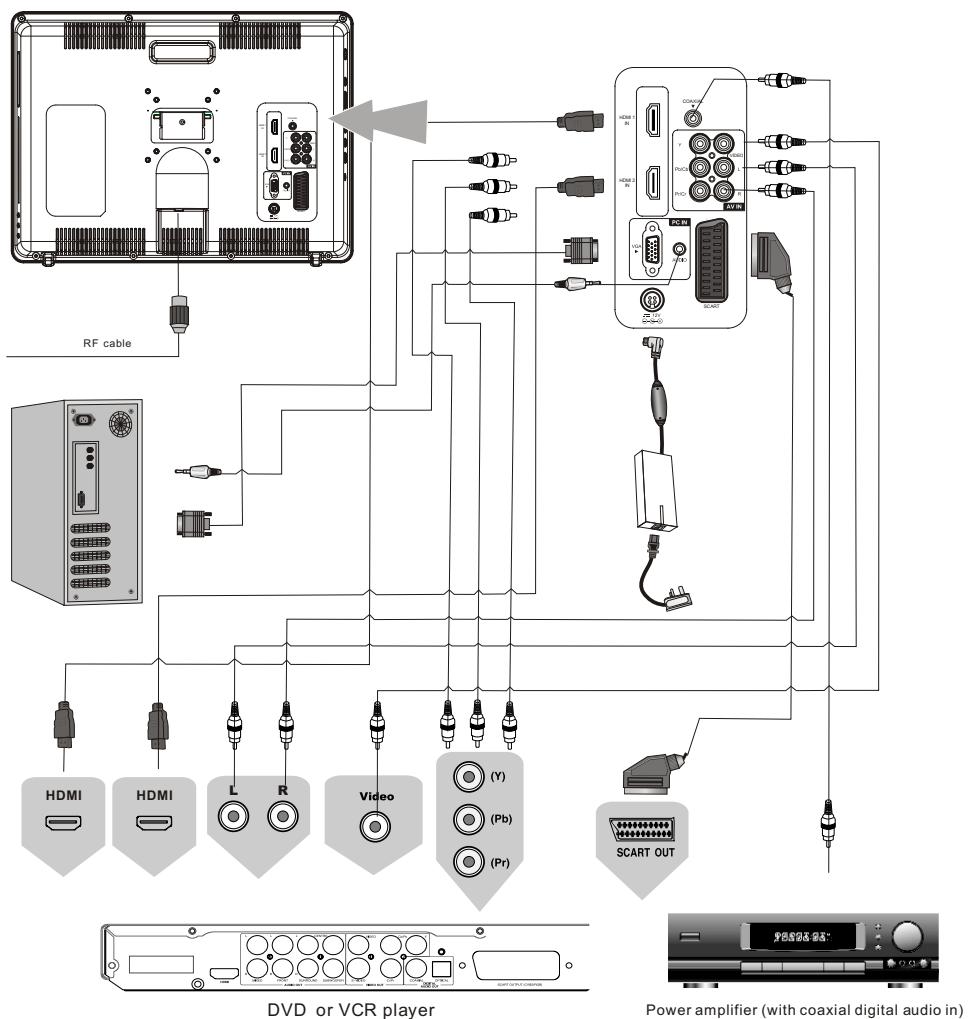


- ① HDMI 1/HDMI 2 input terminal
- ② YPbPr or YCbCr input terminal
- ③ VGA input terminal
- ④ PC audio input
- ⑤ 12V DC input terminal

- ⑥ SCART input terminal
- ⑦ Composite video/audio input
- ⑧ Coaxial digital audio output
- ⑨ RF input terminal

EXTERNAL EQUIPMENT

CONNECTING DIAGRAM

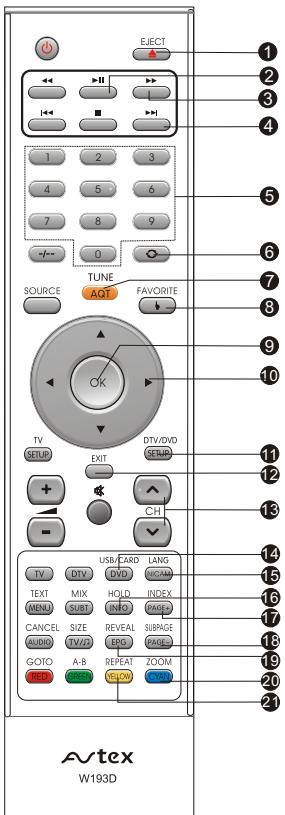


NOTE

You should connect the interconnecting cables BEFORE plugging in the power cord.

REMOTE CONTROLLER

REMOTE BUTTONS



18 SUBPAGE/PAGE-

To display the subpage of the teletext in TV; Browse the previous page of favorite table in DTV .

19 REVEAL/EPG

Display the hidden teletext information; To display the program guide in DTV.

20 ZOOM/CYAN

To zoom in or zoom out the picture in DVD; Teletext CYAN button in TV/DTV.

21 REPEAT/YELLOW

To repeat playback in DVD; Teletext YELLOW button in TV/DTV.

① EJECT

Disc in/out in DVD.

② [▶II] button

To play normally or pause playing in DVD .

③ [▶▶] button

To fast-forwards DVD playback in DVD .

④ [▶I] button

To select the next chapter or track in DVD.

⑤ Number button

To select program number.

⑥ RETURN

To exchange channel between the previous program and the current program in TV/DTV .

⑦ TUNE/AQT

Long press(more than 3 seconds) the button to start auto scan in TV/DTV.

⑧ FAVORITE/Q-PLAY

Display your favorite channel list in DTV; Play DVD directly in DVD .

⑨ OK button

To confirm the selections.

⑩ Left/Right cursor(menu adjustment)

To move leftward/ rightward or adjust the selected item in the menu, or adjust sound volume (invalid in DVD and DTV).

⑪ DTV/DVD SETUP

Enter or exit setup menu.

⑫ EXIT

To exit current menu except MUTE menu.

⑬ CHANNEL+/-

To increase or decrease program number in TV/DTV.

⑭ DVD/USB/CARD

To directly switch to DVD source at other source or switch between the USB mode, card reader, and DVD mode in DVD source .

⑮ LANG/NICAM

Switch in NICAM,A2 and mono channel (It is effective in TV signal input with NICAM or A2 function); To switch the output language in DVD /DTV.

⑯ HOLD/INFO

To hold teletext on current page in TV; To display the language and sound track in DVD/DTV.

⑰ INDEX/PAGE+

To display main content page when display the teletext in TV; Browse the next page off favorite table in DTV.

REMOTE CONTROLLER

② STANDBY

To switch between standby mode and power-on mode.

③ [◀◀] button

To fast backward playback in DVD.

④ [◀◀] button

To select the previous chapter or track in DVD.

⑤ [■■] button

To stop playing in DVD.

⑥ TWO-DIGIT NUMBER BUTTON

To switch between one or two-digit program number.

⑦ SOURCE

To select input source: TV, DTV, DVD, AV, SCART, YPBPR, HDMI1, HDMI2 and VGA.

⑧ UP/DOWN cursor

To select upward/downward in the menu or change the channel in TV/DTV.

⑨ TV SETUP

To display system menu.

⑩ MUTE

Sound mute switch.

⑪ Volume +/-

To increase or decrease sound volume.

⑫ TV

To directly switch to TV source at other sources.

⑬ DTV

To directly switch to DTV source at other sources.

⑭ TEXT/MENU

To enter or exit from teletext in TV/DTV; To display DVD Rootmenu in DVD.

⑮ MIX/SUBT

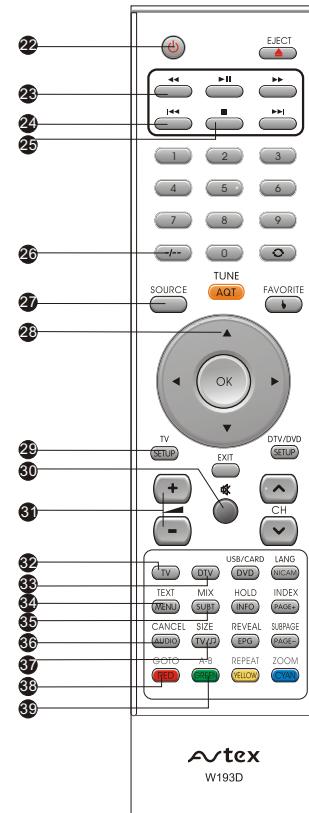
To display TV image and teletext simultaneously; Selects the subtitle language in DVD /DTV.

⑯ CANCEL/AUDIO

To cancel teletext in TV; To change the audio language and sound track in DTV.

⑰ SIZE/TV/□

To magnify teletext page; To switch between TV and Radio modes in DTV.



⑲ GOTO/RED

To play from a certain time point in DVD ; Teletext RED button in TV/DTV.

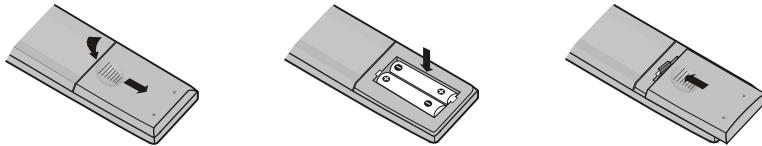
⑳ A-B/GREEN

To segment repeat in DVD; Teletext Green button in TV/DTV.

REMOTE CONTROLLER

BATTERY INSTALLATION

Remove the battery cover. Insert two SUM-4(AAA) batteries matching the -/+ polarities of the battery to the -/+ marks inside the battery compartment, as in the following figure:



BATTERY LIFE

- Generally speaking, the battery may be used for one year, but the battery life is also related to the usage times and remote controller operation.
- If the remote controller is still not operating when very near to the remote sensor window, please replace the battery.
- Please use SUM-4(AAA) battery.

NOTES

- Never use rechargeable battery.
- Never charge, short-circuit, disassemble and heat the battery, or throw it into fire.
- Pay attention not to fall or knock the remote controller, which may cause damage or function failure to it.
- Do not use new and old battery together.
- When not using the remote controller for a long time, please take out the batteries to avoid liquid leakage. Before replacing new batteries, please clean the electrolyte in the remote controller.
- If electrolyte splashes into body, please clean it with water.

CAUTION:

Please put the battery in a place children cannot access. If swallowed by accident, please contact your local doctor immediately.

POWER SUPPLY

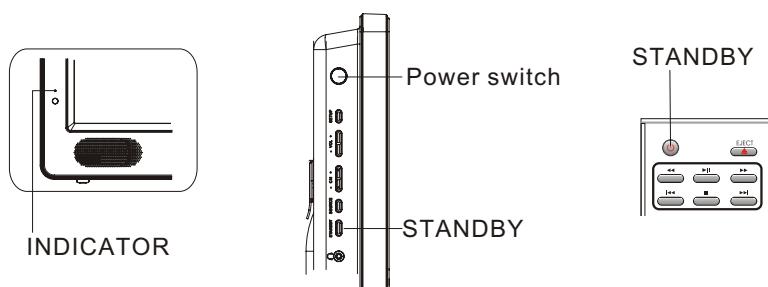
- Please confirm whether the accessories contain the power adapter.
- Please make sure to use power adapter within the specification range, otherwise it will cause damage.
- Use the car adapter in the accessories, connect one end to the socket in your car, the other to the DC socket in the TV.
- The input voltage of the car adapter should be 12V.

LET'S START

After this unit is well fixed on the desk or on the wall, and the cords are well connected for input and output, what you should do next is:

Firstly, connect the adapter to the LCD TV, and turn on the power switch then the unit will go into standby mode, you can see the indicator turn red.

Secondly, press [STANDBY] key on the left side of the LCD TV or [STANDBY] button on the remote control to make the unit switch into working mode, and you will see the indicator turns green. Now you can enjoy all exciting features of the whole new product.



CHANGE SOURCE OPERATION

You can change the input source by using the source Menu. Press [SOURCE] button or [SOURCE] key to show the menu as follows:



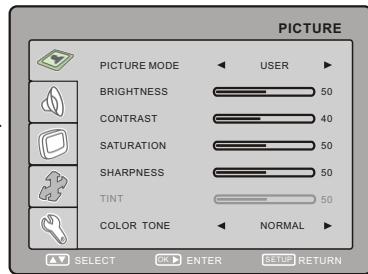
The current source item is highlighted. Press [Δ/∇] button on the remote control or [CH+ / CH-] key to select the source you want, Press [$\blacktriangle/\triangleright$] button, [VOL+/VOL-] key or [OK] button to confirm your choice .

TV MENU SETUP

This product can store up to 100-channel programs(0~99).

In TV, press [SETUP]button and the setup menu will show as follows:

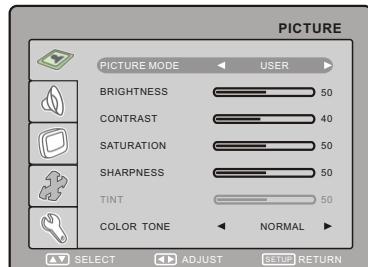
- Pressing [**▲/▼**]button on the remote control, you can select setup menu sections (setup menu consists of "PICTURE", "SOUND", "TV SETUP", "OSD SETUP", "FUNCTION"). Press [**►**] or [**OK**] button to enter this menu section.
- Press [**▲/▼**]button on the remote control to select the item, and then press [**◀/▶**] button to adjust parameters. Press [SETUP]button to return to main menu sections.



PICTURE

Select " " and menu will show as follows:

Press [**▲/▼**]button to select different items and [**◀/▶**] button to adjust them.



Item	Description
PICTURE	Can be changed between : "USER", "STANDARD", "DYNAMIC" and "SOFT".
BRIGHTNESS	To adjust brightness.
CONTRAST	To adjust contrast.
SATURATION	To adjust color saturation.
SHARPNESS	To adjust picture sharpness.
TINT	To adjust picture tint, only valid in N 3.58/N 4.43/PAL60 .
COLOR TONE	Select color temperature mode : "NORMAL", "WARM" and "COOL".

TV MENU SETUP

NOTE

Select "BRIGHTNESS" to adjust it, the sub item will show as follows:
press [$\blacktriangleleft/\triangleright$]button to adjust the value of brightness.

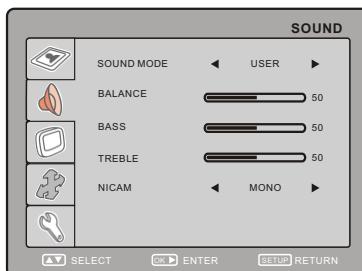


"CONTRAST", "TINT", "SHARPNESS", "SATURATION" are as the same.
If you have adjusted the upper items not at "USER" mode, the adjusted value
will automatically overlay the "USER" mode parameters.

TV MENU SETUP

SOUND

Select "SOUND" and menu will show as follows:



- Press [Δ/∇] button to select different items and press [$\blacktriangle/\blacktriangleright$] button to adjust them. The following are the descriptions of the sound item.

Item	Description
SOUND MODE	Can be changed between "USER", "MUSIC", "FILM" and "NEWS".
BALANCE	To adjust balance of left and right sound channels.
BASS	To adjust bass.
TREBLE	To adjust treble.
NICAM	Select NICAM mode (please refer to the notes).

NOTES

If you can receive Nicam/A2 signal, you can operate as follows to enjoy that.

- You can select Nicam stereo, mono channel or bilingual through NICAM button or in the upper menu. If Nicam/A2 signal is too weak, it will switch into mono channel automatically.
- Nicam/A2 function is only valid in TV while current program coming with Nicam/A2 signal.

TV MENU SETUP

TV SETUP

Select "  " and TV setup menu will show as follows:



- Press [**▲/▼**]button to select different items and press [**◀/▶**] button to adjust them.

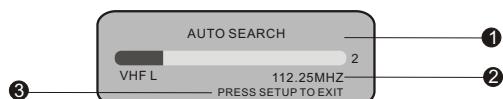
Item	Description
CHANNEL	To change the channel number.
COLOR SYSTEM	Can be changed between: "AUTO", "PAL " and " SECAM".
SOUND SYSTEM	Can be changed between: "AUTO", "BG ", "I ", "DK " and " L".
FINE TUNING	Adjust the channel frequency accurately to make the sound and picture effect better.
MANUAL SEARCH	Only scan program of current channel.
AUTO SEARCH	Scan all programs and store them automatically.
CHANNEL EDIT	Enter its submenu and use the correlative functions of the channels. Please refer to the next page.

NOTES

- Which "COLOR SYSTEM" mode and "SOUND SYSTEM" mode to use is related to the local TV broadcasting system.
- If the local system is SECAM L, the sound system must be selected as L, or else the search result is bad.

TV MENU SETUP

- Select "AUTO SEARCH ", the searching menu will show as follows:



- ① The number of programs have been found.
② The current searching frequency.
③ The current searching frequency Band, 3 Bands in total:"VHF L" , "VHF H", " UHF".

- Select "CHANNEL EDIT ", the menu will show as follows:



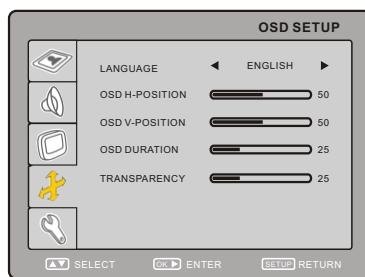
Item	Description
CHANNEL	To select current channel here.
SKIP	To select "YES" or "NO", you can select "YES" to make current channel unaccessible while using [CH+/-] button to browse channels (but you can access it in the TV SETUP menu or this menu).
SWAP	Select or directly input the channel number you want to swap with current channel.
SAVE	Press the [OK] button to confirm the swap operation.

TV MENU SETUP

OSD SETUP

You can adjust the relative parameters of OSD itself here.

Select "  " item and OSD SETUP menu will show as follows:



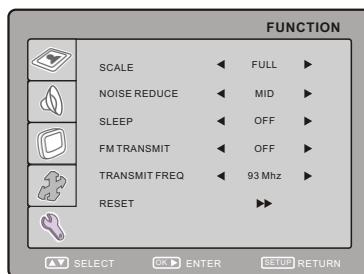
- Press [**▲/▼**]button to select different items and press [**◀/▶**] button to adjust them.

Item	Description
LANGUAGE	Set OSD language.
OSD H-POSITON	To adjust OSD horizontal position.
OSD V-POSITON	To adjust OSD vertical position.
OSD DURATION	To adjust the main menu display duration time.
TRANSPARENCY	To adjust transparency of OSD.

TV MENU SETUP

FUNCTION

Select "FUNCTION" item and FUNCTION menu will show as follows:



- Press [**▲/▼**]button to select different items and press [**◀/▶**] button to adjust them.

Item	Description
SCALE	To switch the video format between "FULL", "ZOOM1", "ZOOM2", "NORMAL" and "PANORAMA".
NOISE REDUCE	To reduce the noise of the image.
SLEEP	To set the sleep time.
FM TRANSMIT	To set enable or disable the FM transmit function.
TRANSMIT FREQ	To set FM transmit frequency(93MHz~100MHz).
RESET	To reset all parameters to default.

TELETEXT FUNCTION

TELETEXT FUNCTION

Most TV stations provide cost-free teletext information, including the latest news, weather information, TV program list and stock information, etc.

You just input the needed teletext page according to the teletext content.

TELETEXT DISPLAY

- ◆ Select the channel with teletext signal;
- ◆ Press [TEXT] button;
- ◆ Select the corresponding page according to the colorized buttons on the remote control;
- ◆ Press [TEXT] again and TV screen will display.

PAGE SELECTION

- ◆ You can input 3 digital numbers to enter the page you want to watch through number buttons. If the inputted number is invalid, you need to input correct 3 digital numbers again after you finished inputting this 3 digital numbers.
- ◆ You can select to turn pages forward or backward through [CH+/-] button.

MIX MODE

This function may let you enjoy TV and teletext information at the same time.

- ◆ When a certain teletext page displays, press [MIX] button, TV and teletext information will display on screen at the same time.
- ◆ Press [MIX] button again and only teletext image displays.
- ◆ In mix mode, the disturbance lines on teletext characters are easy to appear, so you are not recommended to select this mode.

NOTE: Press [CANCEL] button to cancel teletext.

LOCK

You can press [HOLD] button to lock teletext page. Press this button again to cancel locking.

INDEX

Pressing [INDEX] button to display content page.

Enter a certain teletext page through inputting number buttons.

ZOOM IN TELETEXT

- ◆ When teletext page shows, you may double zoom in to display this teletext page;
- ◆ Press [SIZE] button to zoom in the upper half part of teletext page;
- ◆ Press [SIZE] button again to enter the under half part of teletext page;
- ◆ Press this button for the third time to return to original display mode.

DISPLAY MODE

Press [REVEAL] button to display the hidden teletext information. Press this button again to cancel teletext information displaying.

SUBPAGE

User could press [SUBPAGE] button to select to the subpage of teletext.

COLORIZED BUTTONS (RED, YELLOW, GREEN, CYAN)

Select the corresponding teletext page through colorized buttons.

HDMI, AV ,SCART and YPBPR SETUP

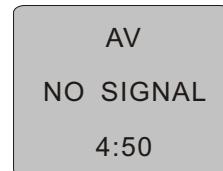
VIDEO SETTING MENU

The menu setup of HDMI/AV/SCART /YPBPR modes is much the same as that of TV mode, except the "  " section is invalid and a bit difference in sound mode. It is not repeated here. You can find it in preceding pages.

NOTE

If no signal input in HDMI,TV, AV, SCART, YPBPR the screen will show a similar signal to the following figure.

This unit will go into standby mode automatically with no signal input after 5 minutes.



- If the input source is SCART, this unit will automatically recognise its RGB and CVBS signal. If RGB is recognised, it will auto switch into RGB mode, or else it will work at CVBS mode. The relative information will be automatically displayed on the right upper of the screen.

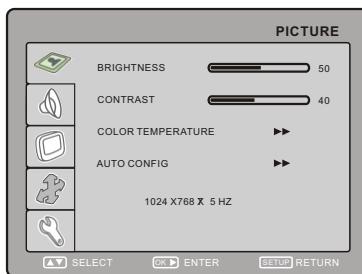
VGA SETUP

With the VGA mode supported up to 1152*864@75Hz, and speakers built in, you can use this unit as a multimedia PC monitor. When this unit works in VGA mode, the following setup can be done.

Press [SETUP] button to enter main section. Press [**▲/▼**] button to select sections and then press [**▶**] button or [OK] button to enter.

PICTURE

Press [**▲/▼**] button to select "", and press [**▶ /OK**] button to enter.

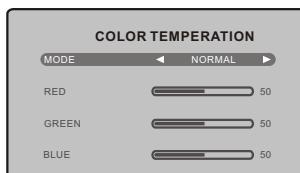


Press [**◀/▶**] button to adjust value of item.

Item	Description
BRIGHTNESS	To adjust brightness of picture .
CONTRAST	To adjust contrast of picture .
COLOR TEMPERATURE	Enter sub menu to adjust color temperature of picture. Press [▶ /OK] button to enter.(details refer to the next page)
AUTO CONFIG	Auto config horizontal/vertical position, phase and frequency. Press [▶ /OK] button to activate.
STATUS	The format of the input signal.

VGA SETUP

Here shows the color temperature submenu.



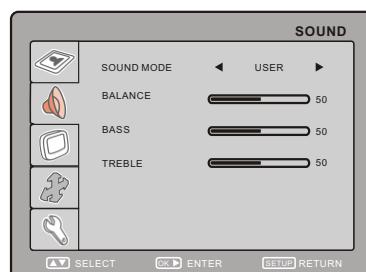
Press [**▲/▼**] button to select item and press [**◀/▶**] button to adjust the value of the item.

Item	Description
MODE	Select color temperature mode :"USER", "NORMAL", "WARM" and "COOL".
RED	Adjust red gain value of colortemperature.
GREEN	Adjust green gain value of colortemperature.
BLUE	Adjust blue gain value of colortemperature.

NOTE: The adjust value will be stored in "USER" mode.

SOUND

Press [**▲/▼**]button to select " " and press [**▶ /OK**]button to enter.

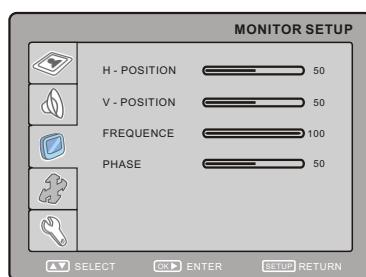


The operation of sound section here is the same as that in TV mode except the NICAM is invalid. Please refer to P11.

VGA SETUP

MONITOR SETUP

Press [**▲/▼**]button to select "  " and press [**▶ /OK**]button to enter.

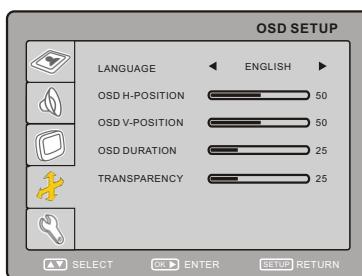


Item	Description
H - POSITION	To adjust screen horizontal position.
V - POSITION	To adjust screen vertical position.
FREQUENCE	To adjust frequency.
PHASE	To adjust phase.

VGA SETUP

OSD SETUP

Press [**▲/▼**]button to select "  " and press [**▶/OK**]button to enter.



Press [**▲/▼**]button to select different items and press [**◀/▶**]button to adjust.

Item	Description
LANGUAGE	Select OSD language.
OSD H-POSITION	To adjust OSD horizontal position.
OSD V-POSITION	To adjust OSD vertical position.
TRANSPARENCY	Transparency of OSD.

NOTE

If you use this unit as a PC-monitor:

If no signal input ,after 5 minutes, this unit will go into sleep mode .

In this mode, the indicator will turn red, and the screen is turned off.

You can wake it up by waking up your PC .

If the unit hasn't been connected with VGA line to external equipment, the NOTCONNECT menu will automatically display on the screen; and if the input signal is beyond the support scope, the UNSUPPORTED menu will automatically display on the screen.

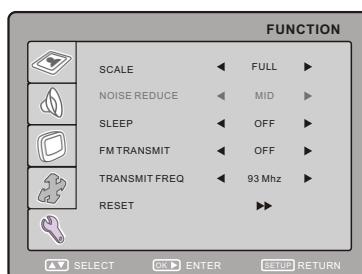
At these two occasions, after 5 minutes, the unit will enter real standby mode(you must use Power button or Power key to power it).



VGA SETUP

FUNCTION

Press [**▲/▼**]button to select "", and press [**▶/OK**]button to enter.



Press [**▲/▼**]button to select different items and press [**◀/▶**] button to adjust .

Item	Description
SCALE	To switch the video format between "FULL", "CENTER".
NOISE REDUCE	Invalid in VGA.
SLEEP	To set the sleep time.
FM TRANSMIT	To set enable or disable the FM transmit function.
TRANSMIT FREQ	To set FM transmit frequency(93MHz~100MHz).
RESET	Reset all parameters default .

DVD OPERATION

Brief Introduction to DVD

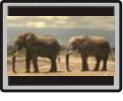
DVD is well known for its extraordinarily large capacity and outstanding audio-video effects. Its capacity is as high as 4.7-17 GB (approximately 7-26 times the CD capacity). With 500-line horizontal resolution of picture , it brings a new era to household AV products.

■ Comparison Between DVD and Other Discs

	DVD				LD	Super VCD	VCD	CD	CDROM
Recording Method	Digital/MPEG2				Analog	Digital/MPEG2	Digital/MPEG1	Digital	Digital
Capacity	Single-sided 1 layer 4.7G	Single-sided 2 layers 8.5G	Double-sided 1 layer 9.4G	Double-sided 2 layers 17G		650MB	650MB	650MB	650MB
Playback time	133min.	242min.	266min.	484min.	1 side 60min. 2 sides 120min.	45min.	74min.	74min.	
Disc Diameter	12cm				30cm/20cm	12cm	12cm	12cm	12cm
Horizontal Resolution	500 lines or more				430 lines or more	350 lines or more	250 lines or more		
Aspect Ratio	Multiple				One				
Subtitle	32 types				Max. 16 types				
Audio	Dolby Digital				Linear PCM FM modulation			Linear PCM	
Sound Quality	48kHz,96kHz/16,20,24bit				44.1kHz/16bit		44.1kHz	44.1kHz/16bit	

■ Function Introduction

- Multiple languages and subtitles
DVD disc can support as many as 8 dubbing languages and 32 subtitle languages.
- Multiple story plots
User can select to play the desired plots (the beginning, development or ending) of the same disc.
- Multiple aspect ratios
Multiple aspect ratios support various TV screens.

Disc Pictures	TV Screen			
	4:3		16:9	
	Pan-Scan	Letterbox		
4:3				
16:9				

DVD OPERATION

Features

This player has employed the new generation DVD decode chip with built-in Dolby Digital decoder which will bring you to a brand-new AV entertainment world. The 2-laser super error-correction mechanism supports CD-R.

Brand-new AV Effects

- ① 108MHz/12bit video DAC, with more vivid and brilliant pictures.
- ② Progressive-scan video outputs to eliminate the flickers hardly overcome by interlacing scan and therefore your eyesight will be well-protected. At the same time, the pictures definition is sharply enhanced and the pictures will be finer, smoother and stabler
- ③ Brightness, chroma and contrast adjustment functions to render your eyes more comfortable.
- ④ Dolby output for 2 channels(DOWNMIX).

High Quality Digital Audio

- ① Coaxial outputs for Digital audio.
- ② Dolby Digital, PCM Digital audio outputs to satisfy the higher acoustic requirements.

Many Convenient Features

- ① It's possible to select the desired beginning, development and ending of a story.
- ② Direct entry into desired scenes(title/chapter/track search).
- ③ Zooming function to zoom up any playing picture.
- ④ Capable of playing PAL/NTSC discs.
- ⑤ Parental lock function to prevent children from watching unsuitable discs.
- ⑥ Multiple dubbing languages and subtitle languages bring you the best entertainment status all the time.

Super Compatibility with super VCD, VCD, CD , CD-R ,HDCD, KODAK PICTURE CD etc.

DVD OPERATION

Compatible Disc Types

Types	Sizes	Recorded Contents
	12cm	CD-DA: Digital audio
	12cm	VIDEO CD: Compressed digital audio+compressed digital video (dynamic picture)
SVCD	12cm	SVCD: Compressed digital audio+compressed digital video (dynamic picture)
	12cm	DVD: Compressed digital audio+compressed digital video (dynamic picture)

NOTES

- Issues related to



These icons on the top banner indicate the disc types that the function described in this section applies to.

 Applies to DVD disc

 Applies to VCD disc

 Applies to SVCD disc

 Applies to CD disc

 Applies to MPEG4 disc

- This model does not support the 8cm disc. Do not insert that type of disc into this device to prevent disc jam.

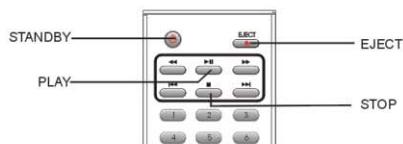
DVD OPERATION

PLAYBACK



1. Power on and place the disc (with label side facing users) to the door and the unit will draw in the disc and switch signal source to DVD mode automatically.

- The unit begins to read disc information.



2. Press [▶] button to begin playing disc.

3. Press [■] button to stop playing.

- When the unit is playing a disc, press [■] button the first time and the unit enters pre-stop state, press [■] button again and the unit enters stop state.
- At the pre-stop state, if you press [▶] button, the unit will continue to play from the stopped point.
- At the stop state, if you press [▶] button, the unit will play from the beginning point of the disc.
- Press [■] button when playing MPEG4 discs and the unit enters stop state directly.

4. Press [△] button to take out disc.

5. When finishing playing, switch signal source to other working state or press [⏻] button to make the unit enter standby state. Please pull out the power plug from power socket when not using the unit for a long time.

VOLUME CONTROL



1. Press [VOL+]/[VOL-] buttons to adjust volume.

2. Press [VOL+/VOL-] buttons on the remote control of this unit.

- Press [VOL+] button to increase volume; press [VOL-] button to decrease volume; the maximum volume is 100.



DVD OPERATION

PLAY/PAUSE PLAYBACK

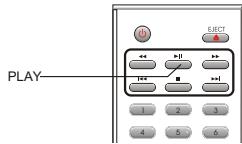


1. Press [■] button in playback status.

- Press [■] button once to pause playback, display on TV screen:



2. To restore playback, press the [■] button.



NOTE

When you set the screen save mode to ON(see Page 40 for details), the display on TV screen turns to screen saver status after the picture on TV screen keep still for about 2 minutes (in mode such as pause mode, stop mode, menu select, setup menu, no disc mode and soon).

INFORMATION



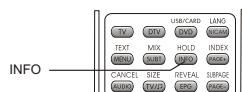
1. Press [INFO] button.

- Disc information and operation function hint display on TV screen when in operation.
- Press [INFO] button to display the following function:

DVD disc:



Super VCD, VCD, CD discs:



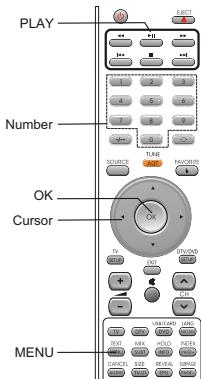
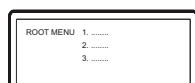
DVD MENU PLAYBACK



- Some DVD discs are made with title menu or chapter menu function.

DVD OPERATION

1. Press [MENU] button to display menu on TV screen for selection, operate according to the hint of menu and press number buttons to select.



2. Press cursor button to select track you desired, then press [\gg] button or [OK] button.

NOTE

- Press [MENU] button to return to initial menu.
- The return location varies with discs.

VCD, SVCD MENU PLAYBACK



- When playing SVCD, VCD2.0 discs with menu playback function, you may enjoy simple menu playback alternation function. You may set menu playback state in the setup menu and select menu playback or sequence playback.

For instance, VCD 2.0 disc menu playback.

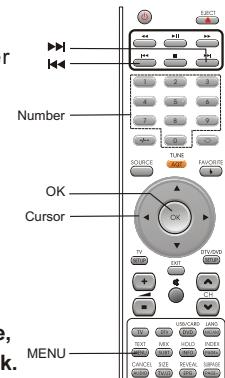
1. TV screen displays main menu.



- Press number buttons to select. For instance, press number button 1 to select main menu 1.



2. After entering main menu 1, TV screen displays submenu.



3. Press [\ll], [\gg] buttons to turn pages.

4. Press number buttons to select submenu content. For instance, press number button 5 and the unit begins to play the fifth track.



5. When playing, pressing [MENU] button to return to the root menu.

DVD OPERATION

PBC PLAYBACK

SVCD VCD

- Enjoy PBC alternate function when playing Super VCD, VCD2.0 disc with PBC function,
For example: play VCD2.0 disc.

1. Main menu displays on TV screen A:



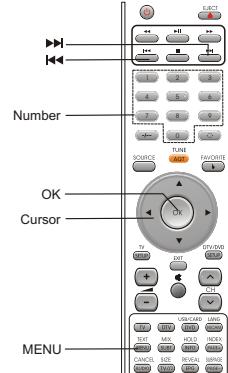
- Press number button to select. For example: select main menu 1. The TV screen as show in B:



2. Submenu displays on TV screen after enter into main menu 1.



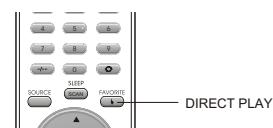
3. Press [\leftarrow] or [\rightarrow] button to turn to adjacent page.
4. Press number buttons to select submenu. For instance, press number 5, the player begin playback with track 5.
5. Press [MENU] button to submenu. Press again to return to main menu.
6. Press [MENU] button to shut off the PBC and start the sequence playback function.



DIRECT PLAY

Direct play is a creative function that very helpful for users to enjoy DVDs. With direct play function, you can play DVD directly, skipping the legal warning, advertisements, chapter selection and other thing that come before the movies start. You can enjoy pure movies without bothering.

When the disc is loaded and the legal warning, advertisements, chapter selection message shows, just press [\downarrow] button to activate direct play function and start a pure movies playback.



NOTE

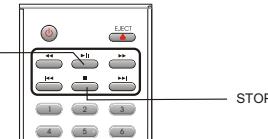
When you are enjoying VCD with PBC function, direct play can disable the PBC and VCD will be played in sequence.

DVD OPERATION

MEMORY



1. This player can save the currently played time point automatically when you leave the current DVD disc playback (switch from DVD signal source to other signal source, enter standby state in DVD mode).
2. When switching to DVD playback state again, this player can automatically search the time point saved last time to continue playing. If you want to play from the beginning, please press [■] button twice and then press [▶] button.



NOTE

- This player may save one DVD disc for one time.
- The DVD disc played the last time will be saved, and the former saved contents will be cleared by new saved contents.
- If power is cut off unexpectedly, the DVD disc played currently will not be saved.

SELECT TRACK TO PLAY DIRECTLY BY NUMBER BUTTONS



1. Insert disc, after disc reading and normal playback, press number buttons to select track to play directly.

- If track number is less than 10, press number buttons 1 to 9 to directly select. For instance, select the seventh track:
- If track number is more than or equal to 10, press [-/-] button and then number buttons 0 to 9. For instance, select the 16th track
- If track number is more than or equal to 20, press [-/-] button twice and then number buttons 0 to 9. The rest can be performed by analog.



SELECT LANGUAGE/AUDIO



1. Press [LANG] button.

- As for DVD discs with multiple languages, you may select the desired language when playing.

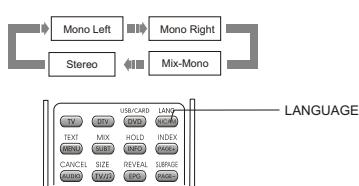
DVD OPERATION

DVD disc:



- As for VCD, SVCD or CD disc with multiple channels, you may select audio output from left or right channel or select stereo audio output. For VCD disc, left channel records dubbing and right channel records singing, and you may select left channel for dubbing.

VCD, SVCD, CD disc:



NOTE

Language type varies with disc recording.

- For VCD story disc with double languages, you may press [LANG] button to select the desired language.
- When playing some DVD discs, pressing [LANG] button to switch language may result in playing the track from its beginning.

REPEAT PLAYBACK

DVD MPEG4 SVCD VCD CD

- The repeat playback function enables a certain title/chapter/track/disc repeated.

1. Press [REPEAT] button. Each press of REPEAT button may realize different repeat functions.

■ DVD DISC:

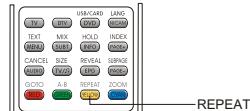


■ SVCD, VCD, CD discs:

- To SVCD, VCD2.0 discs, the repeat function is effective in sequence playback mode; to VCD1.1, CD discs, the repeat function may be directly operated.



- To SVCD, VCD2.0 discs, the repeat function cannot be operated in menu playback mode.



DVD OPERATION

REPEAT PLAYBACK OF SELECTED SEGMENT



- When playing disc, you may press [A-B] button to play your desired segment content repeatedly.

1. In normal playback, press [A-B] button at the beginning point (point A) of the segment that you desire to play repeatedly.



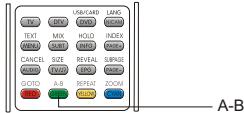
2. In normal playback, press [A-B] button at the ending point (point B) of the segment that you desire to play repeatedly.



- The unit automatically returns to point A and begins to play the selected segment (A-B).

3. Press [A-B] button for the third time.

- The unit restores to normal playback.



NOTE

- The A-B repeat function may be invalid to some discs. In menu playback mode, the segment can only be selected in the track.

FAST PLAYBACK



- When playing discs, you may select fast forward or fast backward playback to search a certain point.

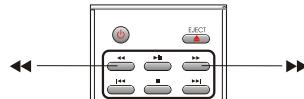
1. Press [\gg] button and the unit begins fast forward playback.

- Press [\gg] button each time and the disc playback speed switches in the following sequence circularly:



2. Press [\ll] button and the unit begins fast backward playback.

- Press [\ll] button each time and the disc playback speed switches in the following sequence circularly:



DVD OPERATION

PLAY FROM THE DESIRED POSITION



■ Play DVD disc

- Inputting a certain time, title number or chapter number directly may search in the disc fast and then play forward from this position.

1. Search title and chapter. For instance, search the 2nd chapter in title 6.

- Press [GOTO] button and TV screen displays:



- Press [◀/▶] button to move cursor and lighten the title number, shown in the figure:



- Then press number button 6 to select Title 6, shown in the figure:



- Finally press number button 2 to select Chapter 2, shown in the figure:



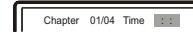
2. Search title time

- Press [GOTO] button until TV screen displays the following figure. Then press number buttons to input hour, minute and second.



3. Search chapter time

- Press [GOTO] button until TV screen displays the following figure. Then press number buttons to input hour, minute and second.



■ Play MPEG4 disc

1. Select track

- Press [GOTO] button until TV screen displays the following figure. Then press number buttons to input the track.



2. Search track time

- Press [GOTO] button until TV screen displays the following figure. Then press number buttons to input hour, minute and second.



■ Play SVCD, VCD and CD discs

1. Search disc time

- Press [GOTO] button until TV screen displays the following figure. Then press number buttons to input minute and second.



2. Search track time

- Press [GOTO] button until TV screen displays the following figure. Then press number buttons to input minute and second.



DVD OPERATION

3. Select the track

- Press [GOTO] button until TV screen displays the following figure. Press number buttons to input track.



ZOOMING THE DISPLAYED FRAME

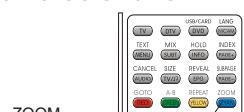


- Zoom in/out the player frame.

1. When playing a disc, press the [ZOOM] button can open the zoom in/out function, and the TV screen displays(take X2 mode as an example):



- The frame is magnified to 2 times of the normal size.
- 2. Press the [ZOOM] button continually, all the magnified/ minified modes display on the screen in turn. The magnified/ minified modes includes:2X,3X,4X,1/2,1/3,1/4.
- 3. When the mode is on 1/4, press [ZOOM] button to close the zoom in/ out function, and the frame restores normal size.
- 4. When the fame is magnified, press the [Δ / ∇ / \leftarrow / \rightarrow] buttons to move the frame.



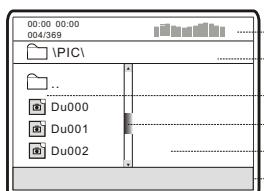
MPEG4 AND JPEG FILE PLAYING

MPEG4 is the video/audio standard published by MPEG(Moving Pictures Experts Group) in November, 1998. As the discrepant parts between frames of the picture only are processed and the same parts are deleted, the data quantity is greatly decreased. The most distinct feature of MPEG4 is the high compression and clear imaging. Furthermore, MPEG4 provides elastic specifications to adjust the stream according to the user requirements. The larger stream can be used when collecting private films; and the small stream can be used in network transferring, which make MPEG4 widely used.

JPEG(Joint Photographic Experts Group) is the most widely used picture compression and storage format today. Utilizing high efficiency compression algorithm, JPEG compresses the original picture 15 to 20 times with excellent picture quality. JPEG features small size data, convenient application and is supported by most picture processing software, so it is very suitable to store photos.

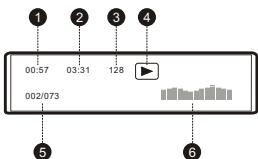
The strong decoding capability of this unit can decode and play the files with the above formats. In the course of playing, an operation menu will appear and its construction is shown as follows.

DVD OPERATION



- ① State window
Display the current state information.
- ② DIR window
Display the current path.
- ③ File window
Display the current path's file.
- ④ Scroll bar window
Indicate the current file's position.
- ⑤ Preview window
JPEG image preview.
- ⑥ Information window
Display the current operation prompts.

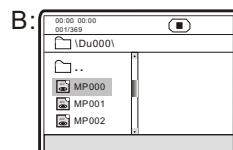
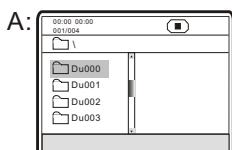
The state information in state window is as follows:



- ① Elapsed playback time
- ② Total playback time
- ③ The audio bit rate (generally the bit rate is 128kbps, sometimes it is VBR).
- ④ Current playback mode indicator
- ⑤ Track indicator
- ⑥ Dynamic frequency spectrum indicator

1. Play MPEG4 file

After you put a MPEG4 formatfile into the unit, it will search disc information and display the operation menu as figure A (The displayed content varies with disc.).

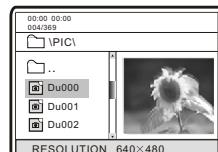


- Press [Δ/∇] button to select the directory you desired and press [OK] button to confirm. For instance, you select the directory Du000 in Figure A, press [OK] button and TV screen displays as in Figure B. The window returns to the previous directory when you select [...] or press [\blacktriangleleft] button.
- In Figure B, press [Δ/∇] button to select the MPEG4 format file you desired and press [OK] button to confirm. The unit begins to play MPEG4 format movie.

2. Play JPEG file

After you put an JPEG formatfile into the unit, it will search disc information and display the operation menu as in the following figure. After selecting JPEG file, the preview window will appear this file's preview image to facilitate you to select.

After you select the JPEG file you desired and press [OK] button to confirm, the picture will display in full screen.



DVD OPERATION

■ Other basic operation methods

1. Press [◀],[▶] button may turn to the next or last page.

■ Other functions of JPEG file

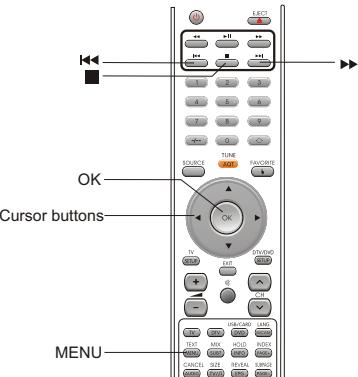
1. When playing JPEG file, pressing [■] button will achieve preview playback function.

At the same time, all JPEG files are displayed on TV screen. One page can display up to 12 pictures at most. The remaining ones are shown on the next page. Pressing [▶] button will enter the next page and [◀] button will enter the previous page. You may press number buttons or [▲/▼] button to select the picture you desired and press [OK] button to confirm.

2. When in preview playback, pressing [MENU] button will exit preview playback function.

NOTE

When buttons are invalid, TV screen displays:



- Please press effective button again.

Headphone Enjoying



1. If you want to use headphone to enjoy all by yourself, adjust the master volume to the minimum firstly, then insert the headphone plug into the headphone jack of this player and adjust the master volume until suitable.



When the button is invalid, the TV screen displays:



- Press the effective button again.

CARD READER AND USB OPERATION

USAGE OF USB DEVICE AND 3-IN-1 CARD READER

USB refers to Universal Serial Bus. Most of USB devices on the market are USB1.1 or USB2.0. Here are some common types of USB 1.1 devices:

Monitors, Communication devices, Audio Human Input Device(HID), Mass storage drives etc. Most flash memory, USB HDD etc. belongs to Mass Storage Class. Mass Storage Class includes 2 transportmanners:

1. USB 1.1 Mass Storage Class Control/Bulk/Interrupt (CBI) Transport
2. USB 1.1 Mass Storage Class Bulk-Only Transport

This unit supports USB 1.1 Mass Storage Class Bulk-Only Transport.

When using USB 1.1 Mass Storage Class Bulk-Only Transport devices, please note that the file operation system only supports Windows FAT, it does not support FAT32 and NTFS file system. The 3-in-1 card reader of this player can read SD Card (Secure Digital Card), MMC Card (Multi Media Card) MS Card (Memory Stick Card).

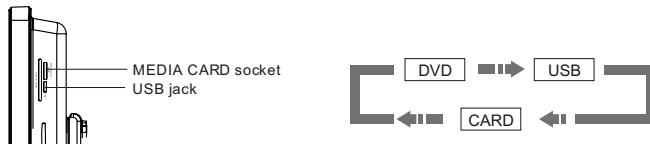
**Important: Before you use the USB or card reader function, you should change the input source of the TV to DVD and press [DVD] button.
This unit can only support the USB HDD which has one partition, if you USB HDD has several partitions, error maybe occur.**

1. Using USB devices:

Please insert USB devices into the USB jack of this unit then press [DVD] button.

After correctly reading USB devices data, the screen will display an operation menu.

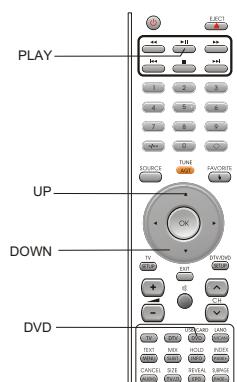
Please refer to the part of "MPEG4 and JPEGFILE PLAYBACK" on page 34 for details.



2. Play 3-in-1 CARD READER

In DVD mode, press [DVD] button thrice, the TV set will detect and read card. If there is a supported card in the card port, after reading card data correctly, an operation menu will be displayed on the screen.

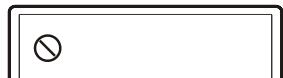
If you want to switch to DVD state, please press [DVD] button to exit USB and card reader state.



CARD READER AND USB OPERATION

NOTES

- This player can play USB devices and MPEG4 and JPEG files in SD, MMC and MS cards.
- When reading MPEG files with large size in USB device or mediocard, pause may appear.
- If there is no files in USB devices or media card ,on-screen appears "Empty Device". If USB devices or media card have a problem, or the operation is incorrect, the screen displays "Device Error". Please check USB device or media card, or else unplug them then insert them again.
- If a USB device or media card which are unsupported by the machine have been connected, the unit may 'lock-up' and won't respond to commands. In this event please switch off the power, take out USB equipment or media card, and then switch the power back on to reset the machine.
- This unit does not support USB On The Go(OTG) technology, so any devices with OTG data exchange mode may not work correctly. Check this out before operation.
- When inserting a media card, you should insert it in the right direction: If you are facing the TV screen, make sure you plug-in the card with its connector facing away from you.
- Please take off the USB while it stops playing. Never take off it while it's playing.
- When the button is invalid, the TV screen displays:

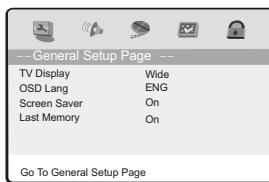


Press the effective button again.

DVD FUNCTION SETUP

Turn on this TV, press [SOURCE] button to change source to DVD, press [SETUP] button, then press [**◀/▶**] button to choose DVD item, the DVD setup menu will be displayed as follow:

GENERAL SETUP



1. TV Display: This item is used to set the output picture ratio of this unit.

- Optional settings: Normal/PS, Normal/LB, Wide, Wide Squeeze; Default: Wide.

2. OSD language: This item is used to set the OSD language .

- Optional settings: English; Default: English

3. Screen Saver: Open or close the screen saver.

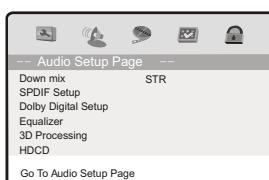
- Optional settings: On, Off; Default: On

4. Last Memory: This player can save the currently played time point automatically when you leave the current DVD disc playback (switch from DVD signal source to other signal source, enter standby state in DVD mode).

- Optional settings: On, Off; Default: On

NOTE: When switching to DVD playback state again, this player can automatically search the time point saved last time to continue playing. If you want to play from the beginning, please press [**■**] button twice and then press [**▶▶**] button.

AUDIO SETUP

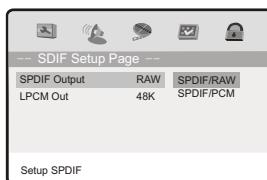


1. Down mix mode: this item is used to set this unit's DOWN MIX mode to change multi channel audio into 2-channel audio output.

- Optional settings: LT/RT, Stereo; Default: Stereo

2. SPDIF Setup: Press [OK] or [▶**] button to enter the submenu of SPDIF setup.**

DVD FUNCTION SETUP



SPDIF output: This item is used to set the bit stream type of the digital output.

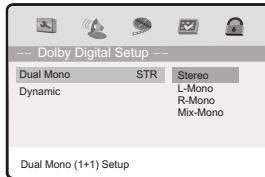
- Optional settings: SPDIF/RAW, SPDIF/PCM; Default: SPDIF/RAW

LPCM output: This item is used to set the output frequency of LPCM audio data to fit for different power amplifiers.

- Optional settings: 48K, 96K; Default: 48K.

NOTE: Only when the SPDIF output is set the SPDIF/PCM, the frequency of LPCM audio data is optional.

3. Dolby Digital Setup: Press [OK] or [▶] button to enter the submenu.



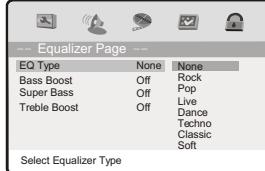
Dual Mono:

- Optional settings: Stereo, L-Mono, R-Mono, Mix-Mono ;Default: Stereo.

Dynamic:

- Optional settings: Off, 1/4, 1/2, 3/4, Full; Default: Off.

4. Equalizer : Press [OK] or [▶] button to enter the submenu to adjust the items.



- EQ Type: Set equalizer type, optional settings: None, Rock, Pop, Live, Dance, Techno, Classic, Soft; Default: None.
- Bass Boost: Enhance low frequency sound level, optional settings: On, Off; default: Off.
- Super Bass: Enhance very low frequency sound level, optional settings: On, Off; default: Off.
- Treble Boost: Enhance high frequency sound level, optional settings: On, Off; default: Off.

5. 3D Processing: Set reverberation mode .

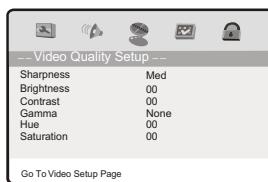
- Optional settings: Off, Concert, Living Room, Hall, Bathroom, Cave, Arena, Church; Default: Off.

6. HDCD: Set filter mode.

- Optional settings: Off, 1X, 2X; Default: 1X.

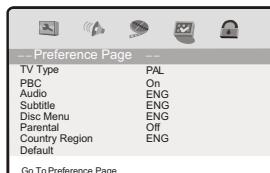
DVD FUNCTION SETUP

VIDEO SETUP



1. **Sharpness:** This item is used to set the sharpness of video outputs.
 - Optional settings: High, Medium, Low; Default: Med.
2. **Brightness:** This item is used to set the brightness of video outputs.
3. **Contrast:** This item is used to set the contrast of video outputs.
4. **Gamma:** This item is used to set the color temperature of video output.
 - Optional settings: High, Medium, Low, None ; Default: None
5. **Hue:** This item is used to set the hue of video outputs.
6. **Saturation:** This item is used to set the saturation of video outputs.

PREFERENCE SETUP



1. **TV Type:** To set the output video system of this player.
 - Optional settings: PAL, Auto, NTSC; Default: PAL.
2. **PBC:** To set the PBC status.
 - When playing SVCD, VCD2.0 discs, if PBC is set On, this unit enters PBC playback mode; if PBC is set Off, the unit plays the disc according to track sequence.
Optional settings: On, Off; Default: On
3. **Audio:** This item is used to set the preference audio language when playing.
4. **Subtitle:** This item is used to set the preference subtitle language when playing.
5. **Disc menu language:** This item is used to set the preference disc menu language when playing.
 - Default of disc menu language: English

DVD FUNCTION SETUP

NOTE

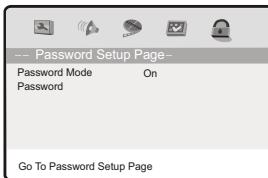
- Audio, subtitle and disc menu language are only effective in DVD mode.
 - If the disc is not recorded with the language you appointed, the unit will apply the language that the disc appointed to play.
 - Select other languages: press [**▲/▼**] button to move cursor to "OTHER" item, press [OK] button and then number buttons to input the language code you desired. After input finishes, press [OK] button again.
- 6. Parental:** this item is used to set the parental control ratings to prevent children from watching restricted contents. (In the event the disc supports this function)
- Optional settings: KID SAFE, G, PG, PG 13, PGR, R, NC17, ADULT, Off; Default: Off

NOTE

- When changing the parental control ratings, a password is needed. Please refer to the following password item for details.
- 7. Country Region:** Set the country region according to your country.
- 8. Default:** This item is used to restore all settings to the default value except "Parental control" and "Password" in the setup menu.

PASSWORD SETUP

Password : This item is used to set a six digit password to enable you to change the parental control ratings.



- Password Mode: To set whether parental control function needs a password, optional setting: On, Off; Default: On.
- Password : To change the password of the parental control function, default :000000.

DTV MENU OPERATION

Press the [MENU] button, then the Main Menu will be displayed, you can set your preferences in that, such as search channels, edit the channel list or your favorite list, view Programme Guide Information.

It is easy to see that the Main Menu is composed of six parts: General Setting, Channel Install, Channel Manage, Advanced Setting, EPG, System Info.



Note: Select different item using the [\blacktriangle/∇] button, and press [OK] or [\blacktriangleright] to enter it.

GENERAL SETTING

You can set the base environment of the DTV.

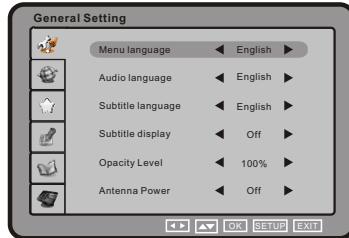
Menu Language: Set the default menu language.

Audio Language: Set the default audio language.

Subtitle Language: Set the default subtitle language.

Subtitle Display: Set the default subtitle as show or not.

Opacity Level: Set the default menu opacity level.



Antenna power: Set the default antenna power turn on or off.

Note: When you connect an active antenna to the "RF input" connector, please turn on the antenna power so that the signal quality could be improved.

CHANNEL SEARCH

You can select the auto search or manual search.



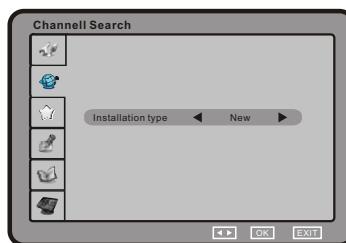
DTV MENU OPERATION

• Channel Search

You can set the search mode as new or add.

Then press [OK] button to confirm it.

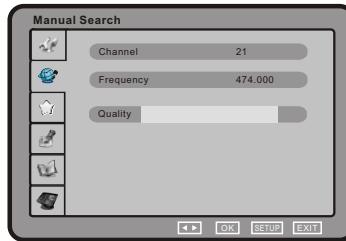
Note: If the mode is new, will delete the old channel the current frequency.
If the mode is add, do not delete the old channel the current frequency.



• Manual Search

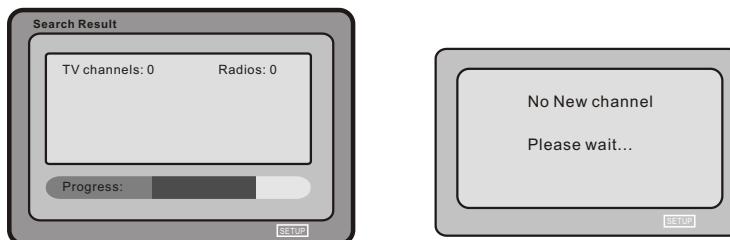
Select the Chanel item you can select the frequency by the [◀] or [▶] button.

Then press [OK] button to search the channel.



• Search Result

You can see all TV and Radio channels found while the channel search is in progress.
A pop-up will indicate you that the automatic installation is finished. This pop-up will disappear automatically after a few seconds.



DTV MENU OPERATION

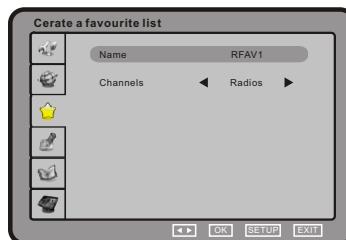
CHANNEL MANAGE

The Favorite lists menu allows you to create, modify and delete your own favorite lists but not the two default service lists (TV, Radio). Four TV favorite lists and four radio favorite lists can be created.



• Create a favourite list

This screen allows you to create a new favorite channels list with selection criteria. The name of the list is set to "FAV x" for TV services and "RFAV x" for Radio.



• Modifying a Favourite List

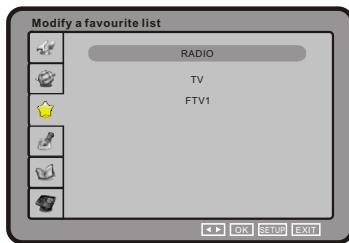
This screen allows you to modify a favourite list. The current favourite list name is displayed on the top of the screen.

All the channels matching the criteria selected at the creation of the favourite list are listed. Each favourite list has its own channel numbering.

In case of a favourite list, you can lock or unlock a channel, skip or add some channels or all channels. You can also sort the channels by alphabetical order, by providers or manually. All these actions are performed using screen color buttons (RED, GREEN, YELLOW, CYAN).

If the list is the default TV and Radio lists, only the "Lock/Unlock" option is available. At the top of the list, the favourite list name and type, the provider name are displayed. The last viewed service is displayed in the video window.

Warning : The only modification you can make in the two default TV and Radio lists is to lock or unlock a channel.



DTV MENU OPERATION

Default TV/Radio lists

On these lists, only the "Lock/unlock" option is available: a press on the [RED] button will lock the highlighted channel if unlock and vice-versa (toggle behavior).

TV/Radio favourite lists

For all these lists, a few actions are available:

Add/Skip: Toggle behavior on the [GREEN] button, in front of the channel list a color icon indicates the status (white for skipped, blue for added).

Lock/Unlock: Toggle behavior on the [RED] button, in front of the channel list a color icon indicate the status (red for locked, blue for unlock), this option is only available if channel is added.

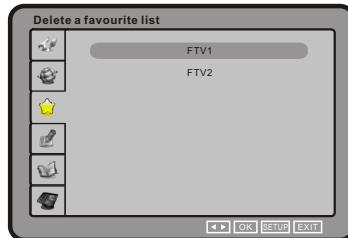
Sort/Move: Accessed by a press on the [YELLOW] button. Sort can be made in a few different ways, by alphabetical or by provider. In this screen, the selected services will be sorted and placed at the beginning of the list, and the other(not selected) will be sorted and placed at the end of the list.

Move actions consistin highlighting the channel to move, pressing the [OK]button to select it, moving the cursor to the destination item and pressing the [OK] button to finalize the move operation.

Add All/Skip All: accessed by a press on the [CYAN] button . Allows you to generalize the Add or Skip operations to all channels.

• Delete a favorite list

This screen allows you to delete a favorite list.



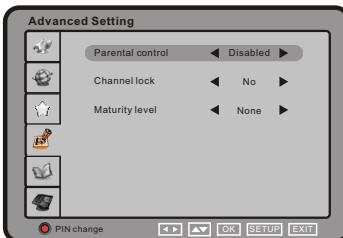
This pop-up allows you to confirm or not the deletion of a favorite list:



DTV MENU OPERATION

ADVANCED SETTING

The parental control item allows you to enable or disable the locking management.



• Parental Control

If the parental control item is disabled then all the locking are deactivated, If it is enabled then all the locking are applied according to your choice.

• Channel Lock

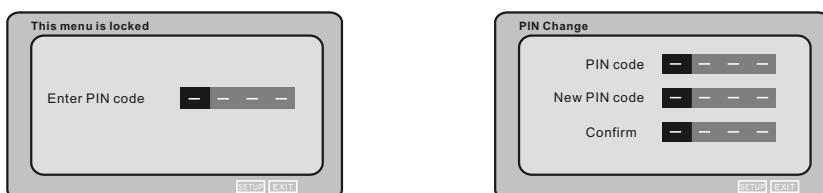
Allows you to lock a specific service (the PIN code is requested when you zap to the locked services). To lock / unlock a service, see "modify a favorite list").

• Maturity Level

A parental rating (between 1 and 18 years) is available. In this case, all services which are not in the age limits become inaccessible unless enter the PIN code. This parental rating depends of the information forwarded or not by the broadcaster.

WARNING: If maturity level access control is activated, all access to timer feature request the PIN code.

A press on red button allows you to modify the PIN code which will be asked when try to access to a protected part defined just above.



The menu to modify PIN code is protected by requesting PIN code access.
The default DTV PIN code (after the "First Time Installation" or "Factory System Reinstallation") is "**0000**".

Then enter the new wanted PIN code, enter it a second time in Confirm item, just to be sure that there is no typing fault.

DTV MENU OPERATION

ELECTRONIC PROGRAM GUIDE (EPG)

By pressing the Guide button, an Electronic Program Guide is displayed. The EPG supplies information, such as program lists, start and end times of all available channels. In addition, the detailed information about the program is often available in the EPG. (The availability and the amount of program details will vary depending on the broadcaster.) A press on the [Δ/∇] buttons allows you to consult all event pages for the days, a press on the [∇] button when last event of the list is highlighted displays the next event page. A press on the [$\blacktriangleleft/\blacktriangleright$] buttons allows you to change to previous/next day of event presentation. The [CH+/-] or [Δ/∇] button allows you to change to another channel in the current channel list. By pressing the [TIMER] button, you can set a timer on the highlighted program of the current channel (see add timer description).

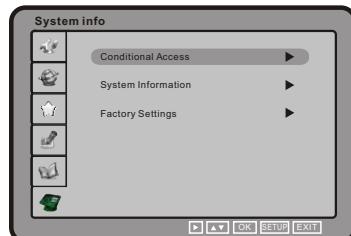


SYSTEM INFO

• Conditional Access

You can view the current status of CI module.

Select "Conditional Access" using the [Δ/∇] button and press the [OK] button, if Common Interface is available, you can view the conditional Access information.



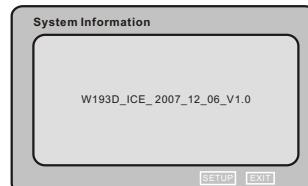
Note1: CAM also called CA-module(CA=Conditional Access) or CI-module (CI=Common Interface). Is used together with a Smart Card to decode and view the content of certain program providers. Can be purchased from your dealer or from the program provider/operator.

Note2: Scrambled transmissions: the contentor some parts of the content transmitted in the terrestrial network may be scrambled. For this DTV is equipped with PCMCIA CARD slots to connect the de-scrambling modules(Conditional Access Modules). Module, smart-card and subscription may be obtained from your local dealer or directly from the service provider.

DTV MENU OPERATION

• System Information

This screen gives you some information about the DTV (Device Version and Software Version).

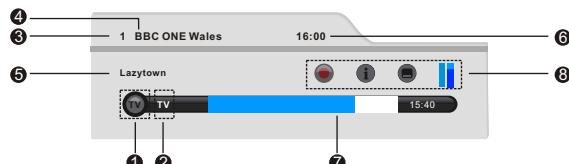


• Factory Settings

This acknowledge pop-up allows you to erase all the custom parameters. If it is confirmed, all services lists and user preferences are deleted and the DTV restarts as for a "First Time installation".



PROGRAM INFORMATION



At the end of the first installation or after the validation of a service in the service selector, the DTV turns into viewing mode. This mode is also called "TV/radio mode" according to the selected channel (TV or Radio).

After each channel change or after a press on the [INFO] button, a banner is displayed at the bottom of the screen for a few seconds, including service type (1), current list (2), channel number in the list (3), channel name (4), event name (5), current time (6), event duration bargraph with start and stop times (7) as well as specific icons relative to the service properties (8) (from left to right : maturity level, extended event information / teletext presence / service locked / multitrack audio / scrambled program / Subtitle presence).

Information about present and following events of the current service are available. By default, the present event is displayed. The following event is displayed by pressing the [$\blacktriangleleft/\triangleright$] buttons (toggle between present and following events).

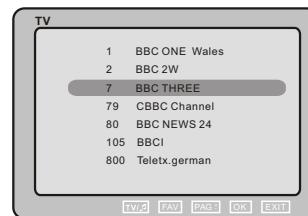
DTV MENU OPERATION

The Channel selector is activated by a press on the OK button while in viewing mode. This screen presents the channels of the current default/favourite lists. When selecting a channel of this list with the OK button, the DTV changes the video background accordingly. When you press the OK button on the selected service, the DTV switches to viewing mode and changes the selected channel accordingly. Zapping can also be done by entering channel number using digit keys.

The channel list is displayed and is automatically removed from the screen after few seconds.

The screen below corresponds to the TV list.

You can toggle from TV lists to Radio lists using the [TV/R] button and between different TV lists using [FAVORITE] button.



MHEG5

If your chosen channel has MHEG5 features, you can access them. Teletext services often load automatically shortly after the Digital Teletext window is displayed. In which case, simply follow the given instructions (press color buttons).

1. Press [TEXT] or [RED] button to access MHEG5 features.
2. Press [TEXT] or [RED] button again to return to normal viewing.
3. Press the [CH+/-] button to exit this service.



TROUBLESHOOTING

Please check for causes of problems in accordance with the following chart before contacting maintenance personnel.

DISPLAY TROUBLESHOOTING

Symptom	Causes and Correction
Black screen, power indicator light off	<ul style="list-style-type: none">◆ Check whether the power cord is well connected, and whether this unit is powered on◆ Check whether the signal cord of input device is well connected◆ Check whether input device is powered on
Image display flicker, unstable	<ul style="list-style-type: none">◆ Check whether the input device signal is in this unit's specification◆ Check computer output mode: control panel-display-setup◆ If the setup does not accord with this unit's specification, please change the display setup◆ Horizontal scanning frequency: 30kHz~75kHz◆ Vertical scanning frequency: 50 Hz~75Hz◆ Max display mode: 1152X864@75 Hz

SOUND AND TV TROUBLESHOOTING

Symptom	Causes and Correction
Cannot power on	<ul style="list-style-type: none">◆ Please make sure the power cord is correctly connected
No sound	<ul style="list-style-type: none">◆ Please make sure the audio cord is correctly connected◆ Check volume◆ Make sure there is nothing plugged into the headphone jack
Volume too low	<ul style="list-style-type: none">◆ Check volume◆ If volume is still too low when adjusting volume to maximum, please check whether the input device is correctly
Snowy picture	<ul style="list-style-type: none">◆ Please make sure the antenna is well connected
Remote control failure	<ul style="list-style-type: none">◆ Check whether remote control battery is full charged◆ Whether battery installation is correct◆ Whether obstacles exist between remote control and the unit's receiving window◆ Check whether receiving window has strong light
Unstable image or abnormal picture color	<ul style="list-style-type: none">◆ Correct the TV set settings◆ Reset the TV set to default setting

TROUBLESHOOTING

DVD TROUBLESHOOTING

Symptom	Causes	Correction
Not play	1. Condensation on laser head 2. Disc not properly loaded 3. Disc not compatible with the unit	1. Switch on power and wait for 1 to 2 hours 2. Make sure label side of the disc facing up 3. Confirm whether this unit is compatible with the placed disc
Sound distortion	1. Too large volume of connected device 2. Sound field mode not suitable for disc	1. Adjust the device volume 2. Adjust appropriate sound field
No sound	1. Disc warped or dirty 2. The unit in mute state	1. Clean the disc 2. Press MUTE button to cancel it.
No image	1. TV not set for proper system	1. Reset AV/TV state of TV
No color	1. TV system not right 2. TV color not well adjusted	1. Reset the TV color
No disc reading	1. Disc warped or dirty 2. Disc not correctly placed 3. Condensation on laser head	1. Clean the disc 2. Reload a disc with label side facing up 3. Switch on power, unload disc and leave it for about 1 hour
Temporary function failure	1. Mal-fabricated disc used 2. Wrong buttons pressed 3. Static leakage into the unit from outside	1. Wait for 5 to 10 seconds to restore to normality automatically 2. Operate again 3. Power off for 1 to 2 minutes to power on again
No subtitle	1. No subtitle recorded on disc 2. The unit subtitle is turned off	1. Disc problem 2. Press SUBT button to select it
Image rolling	1. System setup not suitable for disc	1. Adjust system mode

- If the above methods still cannot solve the problem or the troubles are not listed, please contact local maintenance personnel.

SPECIFICATIONS

Panel	Type Class Size Display Size (mm) Pixel Pitch (mm) Response time (ms) Brightness (Cd/m ²) Contrast ratio Viewing Angle (H) Viewing Angle (V) Panel Life (Hours)	TFT color II (ISO 13406-2) 19" 410.4(H) x 256.5(V) 0.285(H) x 0.285(V) 8 300 500:1 150 130 40 000
Frequency	Vertical Horizontal Display Color	50 Hz – 75 Hz 30 kHz – 75 kHz 16.2 M
Display Mode	Optimum Mode	1024x768; 75 Hz
Inputs	Video Composite VGA SCART YPBPR Audio Stereo Other interface HDMI USB CARD	1 1 1 1 1 2 1 1
Outputs	Audio Headphone Digital Coaxial	1 1
Color Systems	TV tuner Video inputs	PAL, SECAM PAL, SECAM, NTSC 3.58, NTSC 4.43, PAL60
Sound Systems	TV tuner	AUTO, BG, I, DK, L
DVD	Disc type	CD-R/RW, DVD-R/RW, DVD+R/RW
	Formats	DVD-Video, DivX, XviD, SVCD, VCD, CD-DA, HDCD, WMA, Kodak Picture CD, JPEG
Power adaptor	Input	~100 V – 240 V; 50/60 Hz
	Output	~12 V, 4.5 A; 54 W
Environmental Consideration	Operating Temperature Operating Humidity Storage Temperature Storage Humidity	+5°C...+35 °C 10% – 80% -20°C...+45 °C 5% – 95%
DVB	Input connector Frequency range (UHF) Channel range(UHF)	IEC-Type, IEC 169-2, Female 474MHz~858MHz 8 MHz
Dimensions (W x H x D)	498 mm x 371 mm x 82.5 mm	
Net Weight	7.1 kg	

- These items are depended on the TFT panel, Design and specification are subject to change without notice.
- Because of disc quality and format differences we cannot assure the unit will read all. Some functions cannot be utilized on some discs, but this is not a fault with the machine.

DISPLAY MODE

SUPPORTED PC INPUT MODE				
Resolution	Hor scanning frequency (KHz)	Ver scanning frequency (Hz)	Pixel frequency (MHz)	Format
640×350	31.5	70.0	25.17	DOS
720×400	31.5	70.0	28.32	DOS
640×480	31.5	60.0	25.18	DOS
640×480	37.9	72.0	31.50	VESA
640×480	37.5	75.0	31.50	VESA
800×600	35.1	56.2	36.00	VESA
800×600	37.9	60.0	40.00	VESA
800×600	48.1	72.0	50.00	VESA
800×600	46.9	75.0	49.50	VESA
1024×768	48.4	60.0	65.00	VESA
1024×768	56.5	70.11	75.00	VESA
1024×768	60.0	75.0	78.75	VESA
1152×864	67.5	75.0	108.00	VESA

NOTES

- This product does not support the display mode not listed above. In order to achieve the best display effect, please select the above-listed 13 display modes input signal.
- Because of the difference of display card output signal (especially non-standard signal output), the display image may appear little disturbance which can be adjusted through "AUTO CONFIG" in the "PICTURE" menu by users.
- To prolong this unit's service life, you are suggested to use power management function of computer.

DISPLAY MODE

SUPPORTED VIDEO INPUT MODE			
Format	Hor scanning frequency (KHZ)	Ver scanning frequency (HZ)	Vert scan type
720X480	31.5	60	480P
720X480	15.6	60	480i
720X576	31.2	50	576P
720X576	15.6	50	576i
1280X720	37.5	50	720P
1280X720	45.0	60	720P
1920X1080	28.1	50	1080 i
1920X1080	33.7	60	1080 i

NOTE

Specifications and designs are subject to change without notice.

ACCESSORIES

Please check the following accessories.

