

Technika

EXCLUSIVELY FROM **TESCO**

Freeview

DVB-T

HD
ready
1080p

USB Universal Serial Bus
Personal Video Recorder
PVR

digital

23.6" HD Ready 1080p LCD/DVD TV with USB record

WATCH UP TO 50 DIGITAL FREEVIEW™ CHANNELS OR PLAY LATEST DVDS

- ▶ Sleek Mirror Finish Design
- ▶ FREEVIEW™ Built-In
- ▶ USB Record & Media Player (USB 2.0)
- ▶ Integrated DVD Player



Model LCD 24-621

User Guide

Technika

EXCLUSIVELY FROM **TESCO**

INTRODUCTION

HDMI.....	5
SAFETY IS IMPORTANT.....	5
IN THE BOX.....	5

SAFETY INFORMATION

KEEP THIS INSTRUCTION.....	6
IMPORTANT.....	6
ELECTRICAL INFORMATION.....	7

TV FUNCTIONS / TV CONNECTORS

TV FRONT CABINET FUNCTIONS.....	8
TV CONNECTIONS.....	9
CONNECTING THE TV ANTENNA.....	10
CONNECTING EXTERNAL DEVICES.....	10
CONNECTING DIAGRAM.....	11

COMMON INTERFACE SLOT

COMMON INTERFACE.....	12
-----------------------	----

WALL MOUNTING

WALL MOUNTING.....	13
--------------------	----

REMOTE CONTROL

REMOTE CONTROL.....	14
REMOTE BUTTONS.....	15
BATTERY INSTALLATION.....	17

LET'S START

SWITCHING ON.....	18
SELECTING SOURCE OPERATION.....	18
FIRST TIME INSTALLATION.....	19
CHANNEL LIST.....	19

ANALOGUE TV GUIDE

TV INFORMATION.....	21
PICTURE.....	21
SOUND.....	22
SETTING.....	23
FUNCTION.....	23
CHANNEL.....	25

TELETEXT FUNCTION

TELETEXT FUNCTION.....	27
------------------------	----

DIGITAL TV GUIDE

CHANNEL.....	29
MANUAL PROGRAM.....	29
PROGRAM EDIT.....	30
CI MENU.....	32
TIMER.....	33
EPG.....	34
SUBTITLE.....	34
FAV.....	35

VGA & PC SETUP

PC SETUP.....	36
PICTURE.....	37

MULTIMEDIA & USB PVR FUNCTIONS

MULTIMEDIA.....	38
MY ALBUM.....	38
MY MUSIC.....	39
MY MOVIE.....	40
MY RECORDER.....	40
USB PVR RECORDING & PLAYBACK FUNCTION.....	42
PVR TIME SHIFT.....	42
USB PVR FUNCTION ATTENTIONS.....	43

DVD OPERATION

BASIC OPERATION.....	44
SUPPORTING DVD FORMAT.....	45
DVD FUNCTIONS OPERATING INSTRUCTIONS.....	46
MP3 / JPEG PLAYBACK.....	48
FUNCTION SETTINGS.....	49
DVD FUNCTION GENERAL SETUP.....	49
SYSTEM SETUP.....	49
LANGUAGE SETUP.....	52
AUDIO SETUP.....	53
DOLBY DIGITAL SETUP.....	54
CARE AND MAINTENANCE.....	55

TROUBLESHOOTING

DISPLAY TROUBLESHOOTING.....	56
SOUND AND TV TROUBLESHOOTING.....	56
DVD TROUBLESHOOTING.....	57

SPECIFICATIONS

SPECIFICATIONS.....	58
---------------------	----

DISPLAY MODE

ANALOGIC RGB FORMAT TABLE.....	59
YPBPR FORMAT TABLE.....	59

ADDITIONAL INFORMATION

DISPOSAL.....	60
WARRANTY.....	60

Thank you for purchasing this Technika HD Ready 1080p LCD/DVD TV which has been designed and manufactured to give you many years of trouble-free service.

You may already be familiar with using a similar product but please take time to read these instructions which have been written to ensure you get the very best from your purchase.

Throughout the remainder of this user guide the Technika HD Ready 1080p LCD/DVD TV will be referred to as the 'TV'.

HDMI

HDMI (High Definition Multimedia Interface) is the next generation of digital interface. Unlike conventional connections, it transmits uncompressed digital and audio signals using a single cable. This TV supports high-definition video input (720p and 1080i) via the HDMI sockets on the back of the TV.

Safety is Important

To ensure your safety and the safety of others, please read the Safety precautions **BEFORE** you operate this product.

Keep this information in a safe place for future reference.

In the box

You will find the following:

- **HD Ready 1080p LCD/DVD TV**
- **User Guide**
- **Power Cable**
- **Remote Control**
- **2 x AAA Batteries**



Note: If any of the items listed are damaged or missing, please contact the TESCO electrical help line on 0845 456 6767.

IMPORTANT SAFETY INSTRUCTIONS - READ CAREFULLY BEFORE USE

Take note of the following safety information which appears on the back of this TV.



**CAUTION! RISK OF ELECTRIC SHOCK
DO NOT OPEN.
TO REDUCE THE RISK OF ELECTRIC
SHOCK DO NOT REMOVE COVER (OR
BACK).
NO USER-REMOVABLE PARTS INSIDE
REFER SERVICING TO QUALIFIED
SERVICE PERSONNEL.**



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



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this TV.

Keep these instructions.

- Do not use this TV near water.
- Clean only with a slightly damp cloth.
- Do not block any ventilation openings.
- Install in accordance with the supplied this User Guide.
- Do not install or operate near any heat sources such as radiators, stoves, or other apparatus that produce heat.
- Protect the power cord from being walked on or pinched, particularly at plugs, and the point where it exits from the TV.
- Do not allow the power cord to overhang the edge of a table.
- Unplug this TV during lightning storms or when unused for long periods of time.

- To avoid interference, switch this TV off while operating other radio devices in the immediate vicinity.
- Refer all servicing to qualified service personnel. Servicing is required when the TV has been damaged in any way, such as the power cord or plug being damaged, liquid being spilled on or objects have fallen onto the TV, the TV has been exposed to rain or moisture, does not operate normally, or has been dropped.



**WARNING! TO REDUCE THE RISK
OF FIRE OR ELECTRICAL SHOCK,
DO NOT EXPOSE THIS TV TO RAIN
OR MOISTURE. THE TV MUST NOT
BE EXPOSED TO DRIPPING AND
SPLASHING AND NO OBJECTS FILLED
WITH LIQUIDS SHOULD BE PLACED ON
THE TV.**

- No naked flame sources such as candles should be placed on the TV.

Caution! Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this device.

Caution! Usage of controls or adjustments or performance of procedures other than those specified herein may result in hazardous exposure.

Important

This TV generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with these instructions, may cause harmful interference to radio communication. However, this is no guarantee that interference will not occur in a particular installation. If the TV does cause harmful interference to electrical devices, which can be determined by turning the TV off and on,

the user is encouraged to try to correct the interference by one of the following measures:

- Re-orient or relocate the receiving antenna.
- Increase the separation between the external device and the TV.
- Connect the external device into an outlet on a circuit different from that to which the TV is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Electrical Information

Mains Supply

The mains operating voltage is detailed on the rating plate on the rear of the TV.

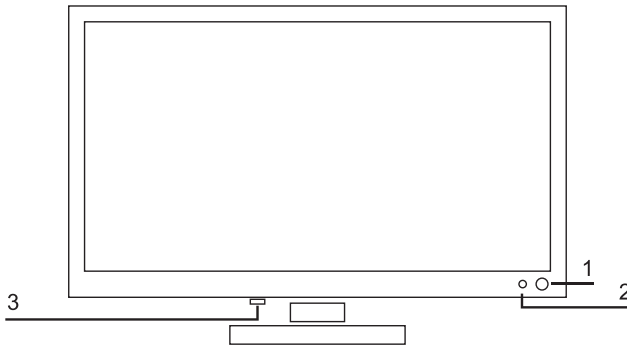
The mains lead on this equipment may be supplied with a moulded plug incorporating a fuse. Should the fuse need to be replaced, an ASTA or BSI approved BS1362 fuse must be used of the same rating. If the fuse cover is detachable never use the plug with the cover removed. If a replacement fuse cover is required, ensure it is of the same colour as that visible on the pin face of the plug. If there is no alternative to cutting off the mains plug, dispose of it immediately, having first removed the fuse, to avoid a possible shock hazard by inadvertent connection to the mains supply.

TV FRONT CABINET FUNCTIONS

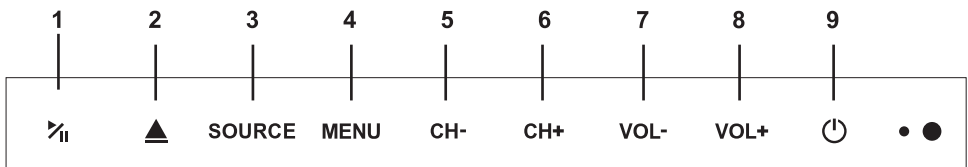
1. IR sensor window

2. Indicator (the indicator is red when in standby mode, and blue when in working normally).

3. Mains Power Switch - Completely turns ON or OFF the power to the TV set to save on electricity.



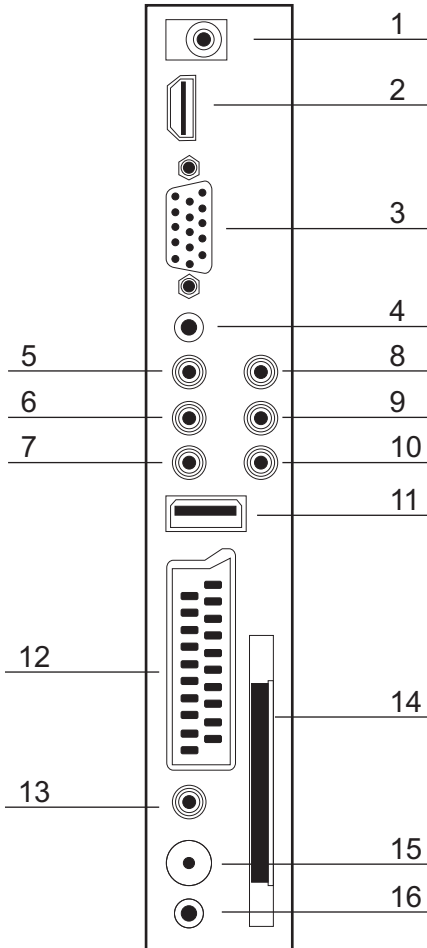
Sencor Touch Keyboard (controlled by a soft finger touch)



1. Start of play or pause of play
2. Take the disc out
3. Select input source
4. Enter or exit menu
5. Decrease channel number
6. Increase channel number
7. Decrease sound volume
8. Increase sound volume
9. Switch between standby and power-on mode



TV CONNECTIONS



1. 12V DC power input
(intended for feeding to the TV using a car battery power or external 12V DC power supply adapter)
2. HDMI input
3. PC VGA input
4. PC audio input
5. AV Video input
6. AV Right audio input
7. AV Left audio input
8. Y input
9. Pb input
10. Pr input
11. USB connector
12. SCART connecting terminal
13. SPDIF output
14. CI connector
15. TV signal input (TV Aerial input)
16. Audio Earphone output



WARNING! ENSURE THE TV AND ALL ANCILLARY EQUIPMENT IS UNPLUGGED FROM THE MAINS BEFORE MAKING ANY CONNECTIONS!

Connecting the TV antenna

Connect the TV antenna to the aerial socket with a 75 ohm co-axial plug. For best results use a high gain TV aerial, preferably roof or loft mounted.

- To improve picture quality in a poor signal area, purchase and install a signal amplifier.
- If the antenna needs to be split for two TV's, use a 2-Way Signal Splitter (not supplied).

Connecting external devices



Note: The TV will connect through the HDMI cable by default. Only use the HDMI cable and one other option. Connecting more than one option may cause interference.

HDMI lead

You can connect this TV to a compatible device using a HDMI lead. This method will give the best picture.

Connect the cable from the HDMI equipment to the TV HDMI socket.

SCART lead

You can connect this TV to a compatible device using a SCART lead. The connection uses component video signals, i.e. the red, green and blue (RGB) content of the video are sent on separate signals.

VGA cable

You can use your TV as a monitor for your personal computer by using a VGA cable. Sound from your personal computer may also be played through the TV. This requires the audio output of the personal computer to be connected to the AUDIO IN connection of the TV.

Component Input (CVBS / YPbPr cables)

You can connect this TV to a compatible device using CVBS and YPbPr cables. Connect the red, white and yellow (CVBS) or the red, green and blue (YPbPr) outputs to the matching coloured inputs on the compatible device. An additional audio input is required.

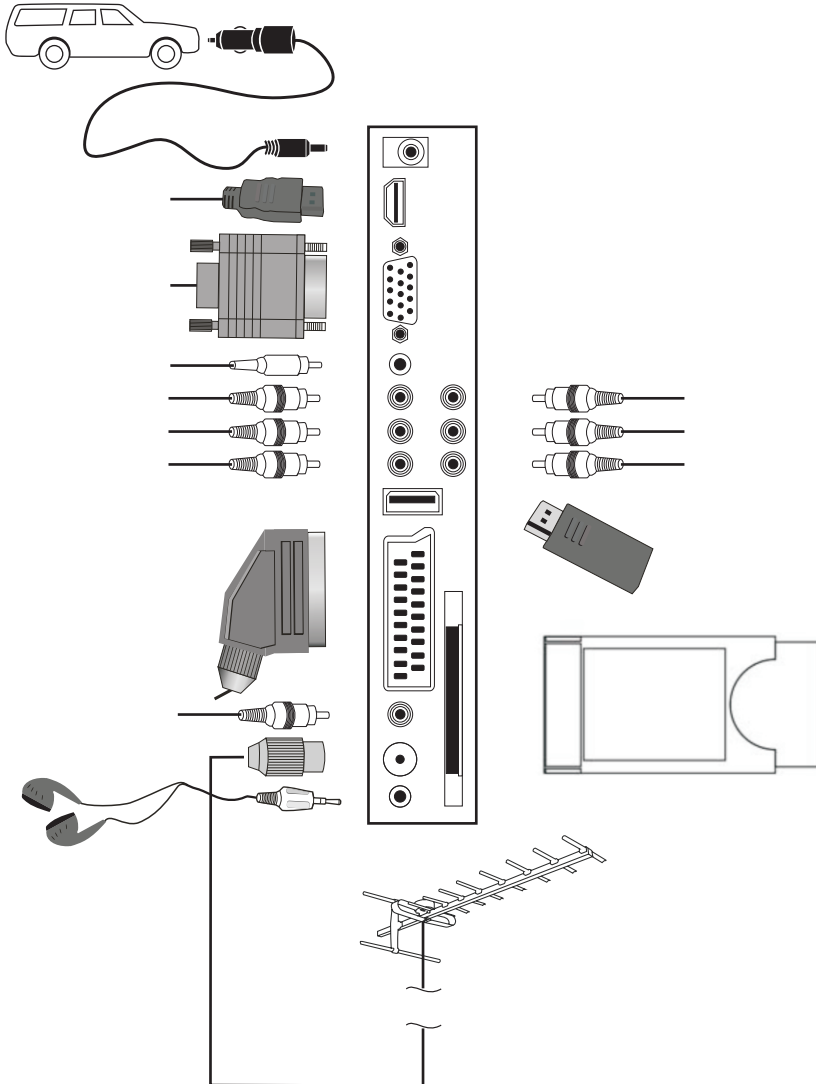
USB connector

This product has a USB 2.0 interface; you can play music, movie and picture files from USB equipment. USB refers to Universal Serial Bus. Most of the USB devices on the market are USB 1.1 or USB 2.0. There are some types USB 1.1 devices:

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

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, we are not sure that other USB devices can be supported! So please find out about the features of USB equipments before using it.

CONNECTING DIAGRAM



i NOTE

You should insert all necessary cables BEFORE plugging in the power cord.

COMMON INTERFACE

The Common Interface (CI) slot is designed to accept the Conditional Access Module (CAM) and Smart Card in order to view the pay TV programmes and additional services. Contact your Common Interface service provider to get more information about the modules and subscription.

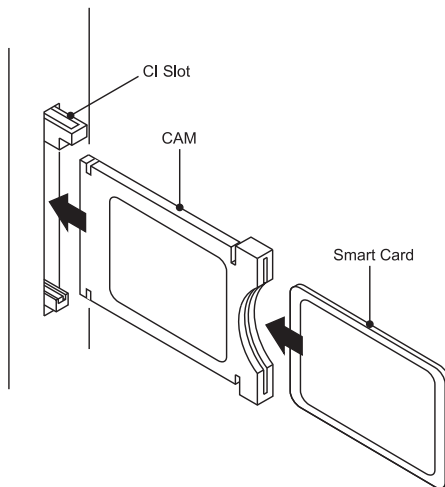


Note: Conditional Access Modules and Smart Cards are sold separately.



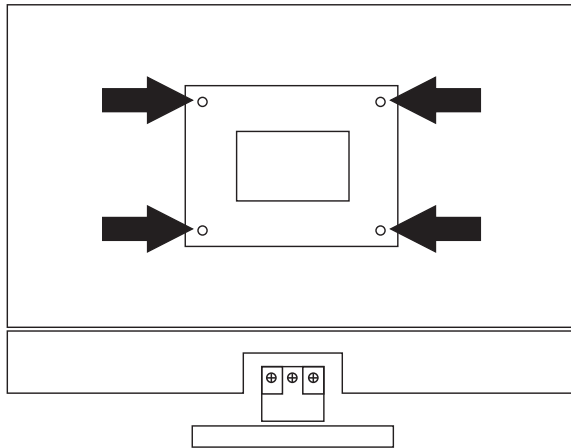
WARNING: SWITCH OFF YOUR TV BEFORE ANY MODULE IS INSERTED IN THE COMMON INTERFACE SLOT.

The CI slot is located on the side of your TV. Insert the CAM correctly into the CI slot, then add the Smart Card to the CAM.



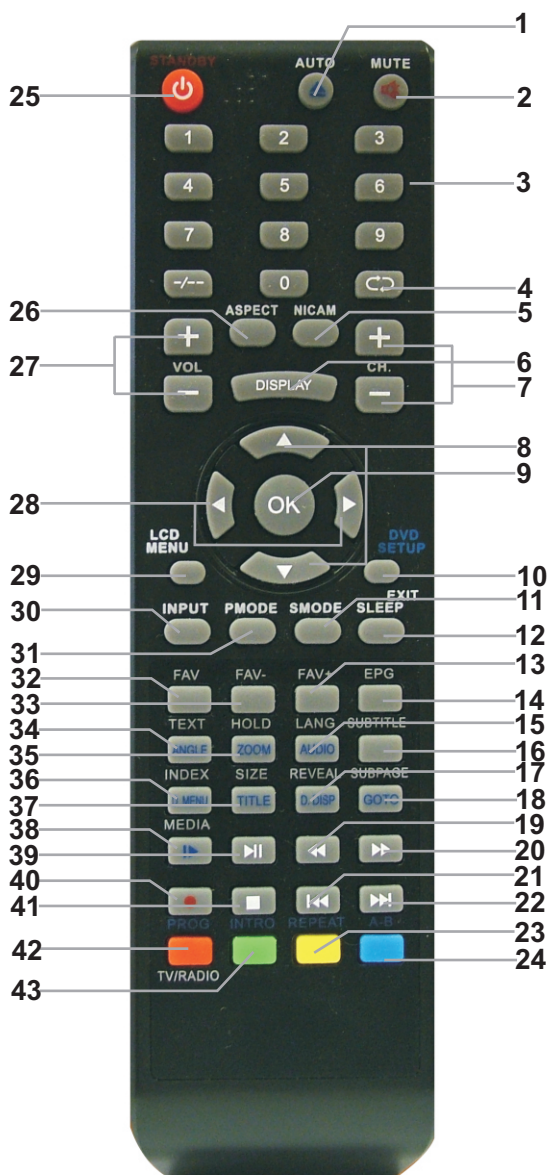
WALL MOUNTING

Suitable for wall mounting - VESA 100 x 100 mm








1. The base must first be removed. Place the TV face down.
2. Remove the three screws holding the base in position.
3. Remove and store the base and screws.
4. Use four machine screws (M4 x 10 mm) to mount the TV on the bracket.

Mounting the wall bracket - please refer to the user instructions supplied with the wall bracket (not supplied).



REMOTE BUTTONS

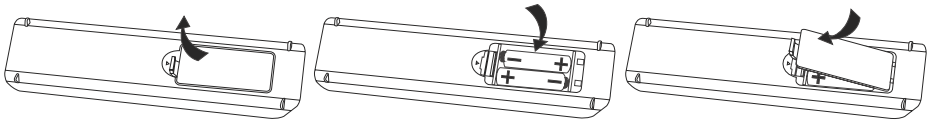
- 1. AUTO/EJECT**
Disc in/out, valid in DVD mode /Auto configuration directly in VGA mode.
- 2. MUTE**
Sound mute switch.
- 3. NUMBER button**
To select program number.
- 4. RECALL** 
To swap between a previous program and the current program in analog TV and digital TV.
- 5. NICAM**
To select NICAM sound modes.
- 6. DISPLAY**
To display information in digital TV and DVD mode.
- 7. CH+/-**
To increase or decrease program number valid in analog TV and digital TV mode.
- 8. LEFT/RIGHT cursor (menu adjustment)**
To move leftward/rightward or adjust the selected item in the menu.
- 9. OK button**
To confirm the selections.
- 10. DVD SETUP/EXIT**
To go to the menu of DVD, valid in DVD mode/to exit menu.
- 11. S-MODE**
To select sound field modes: Personal, Standard, Music, Movie.
- 12. SLEEP**
To setup the sleep timer.
- 13. FAV+**
To increase favourite program number valid in analog TV and digital TV mode.
- 14. EPG**
To display the program guide, valid in digital TV mode.
- 15. LANG/AUDIO**
To change the audio language and sound track, valid in digital TV and DVD mode.
- 16. SUBTITLE**
To select subtitle's language, valid in digital TV mode.
- 17. REVEAL/D.DISP**
To display the hidden teletext information in analog TV/ to display information (track time, chapter etc.) in DVD mode.
- 18. SUBPAGE/GOTO**
To direct select subpage of teletext, valid in ATV mode/ To play from a certain time point, valid in DVD mode.
- 19. **
To fast backward playback, valid in DVD and USB mode.
- 20. **
To fast-forwards DVD playback, valid in DVD and USB mode.
- 21. **
To select the previous chapter or track, valid in DVD and USB mode.
- 22. **
To select the next chapter or track, valid in DVD and USB mode.

REMOTE BUTTONS

23. **REPEAT/YELLOW**
To repeat playback, valid in DVD, USB mode/select page in analog TV teletext mode.
24. **A-B/BLUE**
To segment repeat, valid in DVD mode)/select page in analog TV teletext mode.
25. **STANDBY**
To switch between standby mode and power-on mode.
26. **ASPECT**
To switch video format between „Full“, „Zoom“, „4:3“, „Auto“.
27. **VOL+/-**
To increase or decrease sound volume.
28. **UP/DOWN cursor**
To select upward/downward in the menu.
29. **LCD MENU**
To display LCD menu, different in different source mode.
30. **INPUT**
To select input source: ATV, DTV, HDMI, SCART, YPBPR, AV, VGA, DVD.
31. **P-MODE**
To select picture mode: Personal, Standard, Movie, Vivid.
32. **FAV**
To switch in favourite list, valid in DTV/ATV mode.
33. **FAV-**
To decrease favourite program number valid in analog TV and digital TV mode.
34. **TEXT/ANGLE**
To enable or disable the function of teletext or MHEG5/
To change camera angle in DVD mode when playing DVD disc.
35. **HOLD/ZOOM**
To stop teletext on current page in analog TV/To zoom in to the picture valid in DVD mode.
36. **INDEX/D.MENU**
To display main content page when playing the teletext in analog TV/To switch to DVD root menu, valid in DVD mode.
37. **SIZE/TITLE**
To magnify teletext page in analog TV/To switch to DVD title menu, valid in DVD mode.
38. **MEDIA |▶**
For direct switch to media mode. Not valid in DVD mode.
39. **||**
Pause/playback, valid in DVD and USB mode.
40. **●**
Recording to USB device in DTV mode.
41. **■**
To stop playing, valid in DVD,USB mode.
42. **PROG/RED (TV/RADIO)**
Programmed play in DVD mode/select page in analog TV teletext mode/delete file in USB mode. To switch between TV and radio modes, valid in digital TV mode.
43. **INTRO/GREEN**
Select page in analog TV teletext mode.

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 follows:



BATTERY LIFE

- Normally, battery can be used for one year.
- If the remote control is still not working, when very near to the TV's remote sensor window, please use new batteries.
- Please use SUM-4(AAA) battery.

i 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 will cause damage or function failure to it.
- Do not use a new and an old battery together.
- When not using the remote controller for a long time, please take out the battery to avoid liquid leakage. Before replacing a new battery, please clean the electrolyte in the remote controller.
- If electrolyte splashes into the body, please clean it with water.

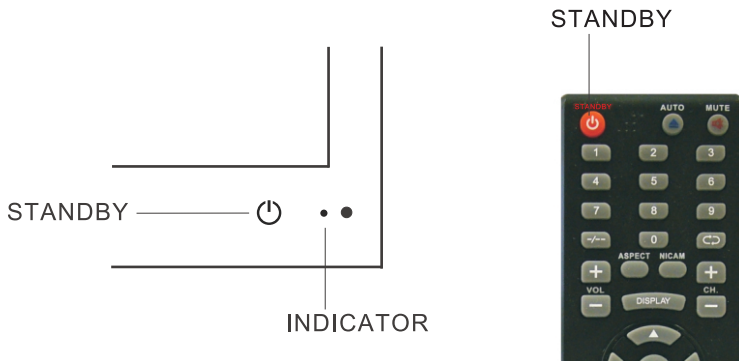
CAUTION:

Please put the battery into a place children cannot touch. If swallow by accident, please contact your local doctor immediately.

SWITCHING ON

After the unit has been suitably placed / fixed, on the desk or on the wall, and all necessary cables include power have connected, The next you should do is:

Press the [STANDBY] button on the remote control to make the unit switch to power-on mode - you will see the LED indicator turn blue. Now you can enjoy the many features of your new TV.



SELECTING SOURCE OPERATION

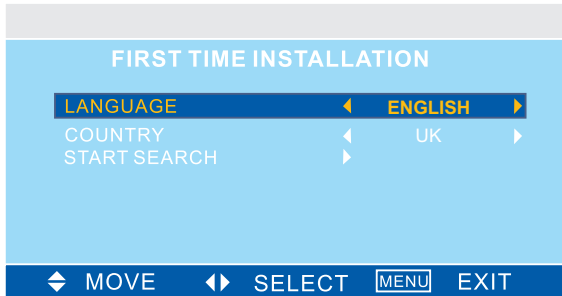
You can select input source by using source menu. Press [INPUT] button to show the menu as follows:



The current source item is highlighted. Through press [▲/▼] button on the remote control or [CH+/CH-] key on the LCD TV to select your desire, Press [◀/▶] button, or [OK] button to confirm your choice.

FIRST TIME INSTALLATION

If this is the first time you turn on the TV and there is no TV programs memory, there will display **First Time Installation** menu on screen just as the following picture. A screen will display asking you to run a Channel Auto Scan to search and receive available local channels. And the channels will be stored in the TV tuner.

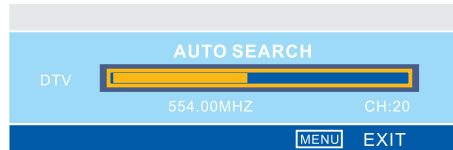
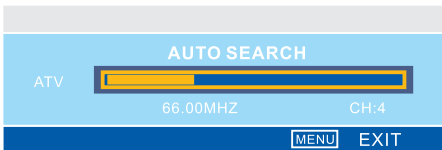


Use down **【▼】** arrow button to highlight LANGUAGE. Navigate using **【◀】 / 【▶】** arrow button to select the OSD language.

Use down **【▼】** arrow button to highlight COUNTRY. Navigate using **【◀】 / 【▶】** arrow button to select the country.

After setting these items, you can press **MENU** to give up your installation and exit.

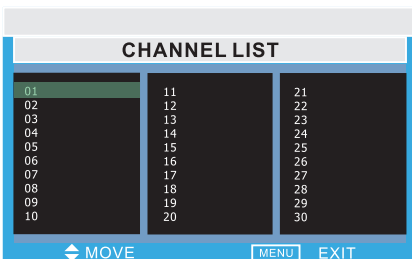
Or press **【▼】 / 【▲】** button to highlight **START SEARCH** and then press **【▶】** button, the Auto Search will begin as the following picture:



CHANNEL LIST

Use down **【OK】** button to call out the CHANNEL LIST.

ATV CHANNEL LIST



DTV CHANNEL LIST



 NOTE

Between now and the end of 2012 the UK will be turning off all old “analogue” TV transmitters and switching your TV signal to “digital”. Digital TV offers new ways to enjoy your TV. You will have a greater choice of TV channels as well as access to additional features and services which will enhance your TV-watching experience. This LCD TV features a built-in Freeview Digital Tuner - please refer to the DTV section of this instruction on page 28.


TV Information

Program Information

Press **[DISPLAY]** button to display program information.



1. Current Channel Number.
2. The colour system of current program, could be changed on **Manual Tuning** menu (an option of **SETUP** menu).
3. Current program name.
4. The sound system of current program, could be changed in **Manual Tuning** menu (an option of **SETUP** menu).
5. The NICAM mode of current program.

 If the icon of NICAM mode is red, it means the current program supplies multiple NICAM signals, and you can change it by pressing **NICAM** button.

Four kinds of NICAM modes and relative icons:



PICTURE

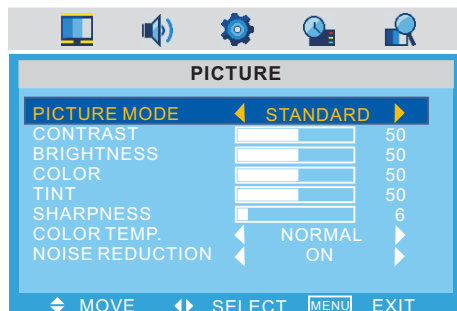
The **PICTURE** menu offers options to enhance and refine the picture displayed on your TV based on ambient room light and personal preferences. Adjustment options include PICTURE MODE, CONTRAST, BRIGHTNESS, COLOR, TINT, SHARPNESS, COLOR TEMP. and NOISE REDUCTION.

How to Navigate:

Press the **MENU** button on the remote control. Navigate using **[◀]** / **[▶]** arrow buttons to select **PICTURE**. Press the down **▼** arrow button to highlight **PICTURE MODE**, then press the **[◀]** / **[▶]** arrow button to select your viewing preference from 4 factory options:

STANDARD > MOVIE > VIVID > PERSONAL.

The **STANDARD** setting is recommended for most viewing environments. Depending on the ambient light level in the room, you may find one of the other options more pleasing.



To make more critical adjustments based on your own preferences in **PERSONAL**:

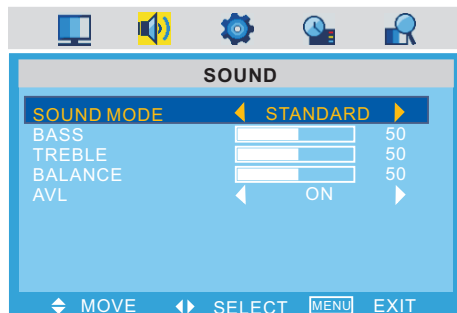
- Use down **【▼】** arrow button to highlight **CONTRAST**. Navigate using the **【◀】 / 【▶】** arrow buttons to increase or decrease contrast intensity.
- Use down **【▼】** arrow button to highlight **BRIGHTNESS**. Navigate using the **【◀】 / 【▶】** arrow buttons to increase or decrease overall brightness.
- Use down **【▼】** arrow button to highlight **COLOR**. Navigate using the **【◀】 / 【▶】** arrow buttons to increase or decrease color intensity.
- Use down **【▼】** arrow button to highlight **TINT**. Navigate using the **【◀】 / 【▶】** arrow buttons to adjust colors toward green or reddish tint.
- Use down **【▼】** arrow button to highlight **SHARPNESS**. Navigate using the **【◀】 / 【▶】** arrow buttons to soften or view crisper edges in the picture.
- Use down **【▼】** arrow button to highlight **COLOR TEMP.**. Navigate using the **【◀】 / 【▶】** arrow buttons to select **COOL** (more bluish tone), **NORMAL** or **WARM**. The default setting is **NORMAL**.
- Use down **【▼】** arrow button to highlight **NOISE REDUCTION**. Navigate using the **【◀】 / 【▶】** arrow buttons to select it **ON** or **OFF**.

SOUND

The **SOUND** menu offers options to make sound enhancements while listening through the built-in speakers

How to Navigate:

Press the **MENU** button on the remote control. Navigate using **【◀】 / 【▶】** arrow buttons to select **SOUND**. Press the **【▼】** arrow button to highlight **SOUND MODE**, then press the **【◀】 / 【▶】** arrow button to select your sound preference from 4 factory options: **STANDARD > MOVIE > MUSIC > PERSONAL**.



To make more critical sound adjustments based on your own preferences in **PERSONAL**:

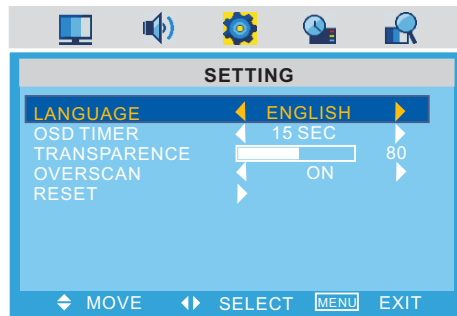
- Use down **【▼】** arrow button to highlight **Bass**. Navigate using the **【◀】 / 【▶】** arrow buttons to increase or decrease low frequency intensity.
- Use down **【▼】** arrow button to highlight **TREBLE**. Navigate using the **【◀】 / 【▶】** arrow buttons to increase or decrease high frequency intensity.
- Use down **【▼】** arrow button to highlight **BALANCE**. Navigate using the **【◀】 / 【▶】** arrow buttons to adjust sound towards the left or right speaker.
- Use down **【▼】** arrow button to highlight **AVL**. Navigate using the **【◀】 / 【▶】** arrow buttons to select it **ON** or **OFF**.

SETTING

In the **SETTING** menu you may change the initial set up of preferences that include LANGUAGE, OSD TIMER, TRANSPARENCE, OVERSCAN, and RESET your TV back to its factory default status.

How to Navigate:

Press the **MENU** button on the remote control. Navigate using arrow **【◀】 / 【▶】** buttons to select SETTING. Gain access to display options by pressing the down **【▼】** arrow button to highlight LANGUAGE or other options, then press **【◀】 / 【▶】** arrow buttons on your remote control to select.



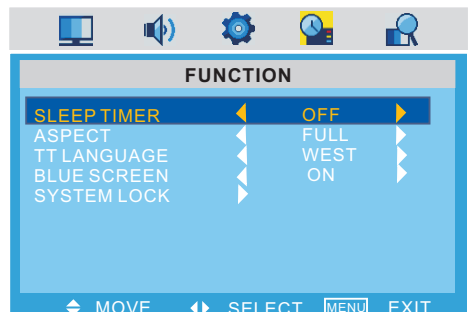
- Use down **【▼】** arrow button to highlight LANGUAGE. Navigate using **【◀】 / 【▶】** arrow button to select the OSD language.
- Use down **【▼】** arrow button to highlight OSD TIMER. Navigate using **【◀】 / 【▶】** arrow button to select the OSD timer. There are 6 modes for selection: 5 SEC > 10 SEC > 15 SEC > 20 SEC > 25 SEC > 30 SEC.
- Use down **【▼】** arrow button to highlight TRANSPARENCE. Navigate using **【◀】 / 【▶】** arrow button to select the transparency of the OSD.
- Use down **【▼】** arrow button to highlight OVERSCAN. Navigate using **【◀】 / 【▶】** arrow button to select it ON or OFF. This option is only available in the HDMI source.
- Use down **【▼】** arrow button to highlight RESET. Navigate using **【▶】** arrow button to reset the options in the SETTING menu.

FUNCTION

In the **FUNCTION** menu you may change the function set up of preferences that include SLEEP TIMER, ASPECT, TT LANGUAGE, BLUE SCREEN, SYSTEM LOCK.

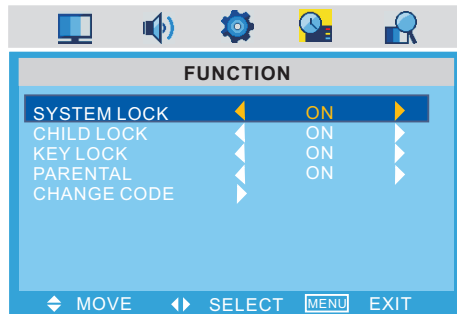
How to Navigate:

Press the **MENU** button on the remote control. Navigate using arrow **【◀】 / 【▶】** buttons to select FUNCTION. Gain access to display options by pressing the down **【▼】** arrow button to highlight SLEEP TIMER or other options, then press **【◀】 / 【▶】** arrow buttons on your remote control to select.



- Use down **【▼】** arrow button to highlight SLEEP TIMER. Navigate using **【◀】 / 【▶】** arrow button to select the sleep timer, and the TV will turn off automatically in the setting time. There are 9 modes for selection: 15 Min>30 Min> 45 Min> 60 Min> 75 Min> 90 Min> 105 Min> 120 Min> OFF.
- Use down **【▼】** arrow button to highlight ASPECT. Navigate using **【◀】 / 【▶】** arrow button to select: FULL> ZOOM > 4:3>AUTO. The default setting is FULL.
- Use down **【▼】** arrow button to highlight TT LANGUAGE. Navigate using **【◀】 / 【▶】** arrow button to select TT LANGUAGE.
- Use down **【▼】** arrow button to highlight BLUE SCREEN. Navigate using **【◀】 / 【▶】** arrow button to select this option ON or OFF.
- Use down **【▼】** arrow button to highlight SYSTEM LOCK. Navigate using **【▶】** arrow button to select this option. Enter your 4 digit code (factory default code is "0000") unless previously changed to enter the submenu.

ENTER PASSWORD



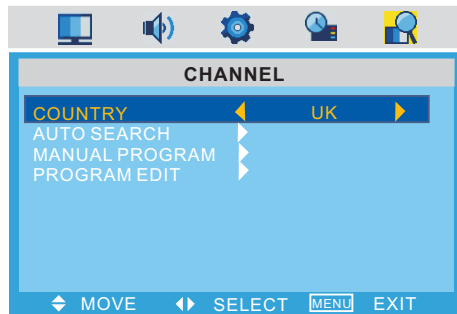
- Use down **【▼】** arrow button to highlight SYSTEM LOCK. Navigate using **【◀】 / 【▶】** arrow button to select this option ON or OFF. When set the system lock OFF, the locks below will be unavailable.
- Use down **【▼】** arrow button to highlight CHILD LOCK. Navigate using **【◀】 / 【▶】** arrow button to select this option ON or OFF. When set the child lock ON, the program locked in the PROGRAM EDIT can not be displayed.
- Use down **【▼】** arrow button to highlight KEY LOCK. Navigate using **【◀】 / 【▶】** arrow button to select this option ON or OFF. When set the key lock ON, the key can not work.
- Use down **【▼】** arrow button to highlight PARENTAL. Navigate using **【▶】** arrow button to select: OFF > 6 > 10 > 14 > 18.
- Use down **【▼】** arrow button to highlight CHANGE CODE. Navigate using **【▶】** arrow button to change the password of the system lock. A dialog as above will appear, the enter the new password can change the password successfully.

CHANNEL

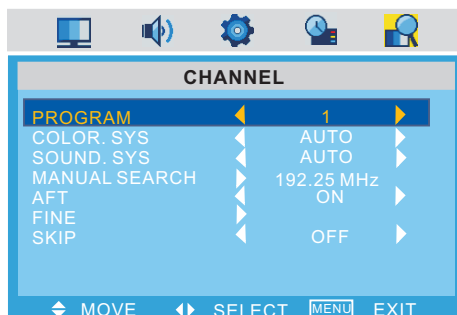
In the **CHANNEL** menu you may change the channel set up of preferences that include COUNTRY, AUTO SEARCH, MANUAL PROGRAM and PROGRAM EDIT.

How to Navigate:

Press the **MENU** button on the remote control. Navigate using arrow **【◀】 / 【▶】** buttons to select CHANNEL. Gain access to display options by pressing the down **【▼】** arrow button to highlight COUNTRY or other options, then press **【◀】 / 【▶】** arrow buttons on your remote control to select.

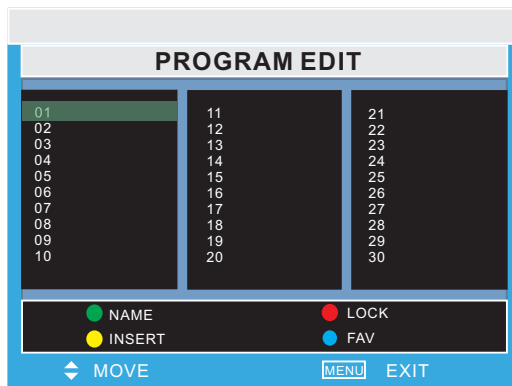


- Use down **【▼】** arrow button to highlight COUNTRY and AUTO SEARCH. The operation of these two options can be referred in „First Time Installation“ functions.
- Use down **【▼】** arrow button to highlight MANUAL PROGRAM. Navigate using **【▶】** arrow button to enter the submenu.



- Use down **【▼】** arrow button to highlight PROGRAM. Navigate using **【◀】 / 【▶】** arrow button to select the program that you want to watch.
- Use down **【▼】** arrow button to highlight COLOR. SYS. Navigate using **【◀】 / 【▶】** arrow button to select the color system: AUTO>PAL> SECAM.
- Use down **【▼】** arrow button to highlight SOUND. SYS. Navigate using **【◀】 / 【▶】** arrow button to select the sound system: B/G> D/K> L> LL>AUTO.

- Use down **【▼】** arrow button to highlight MANUAL SEARCH. Navigate using **【▶】** arrow button to select it.
- Use down **【▼】** arrow button to highlight AFT. Navigate using **【◀】 / 【▶】** arrow button to select this option ON or OFF.
- Use down **【▼】** arrow button to highlight FINE. Navigate using **【▶】** arrow button to select this option.
- Use down **【▼】** arrow button to highlight SKIP. Navigate using **【◀】 / 【▶】** arrow button to select this option ON or OFF.
- Use MENU button to return to the main menu, then use down **【▼】** arrow button to highlight PROGRAM EDIT. Navigate using **【▶】** arrow button to enter the submenu.



This option has four functions.

- Use **Green** button on the remote control and the **【▲】 / 【▼】** arrow button to name the current channel.
- Use **Yellow** button on the remote control to insert the current channel.
- Use **Red** button on the remote control to set the current channel to lock. if the current channel already lock, press **Red** button again will unlock.
- Use **Blue** button on the remote control set the current channel to your favorite channel. if the current channel already be one of your favorite channel, press **Blue** button again will set it to a normal channel.

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 MODES DISPLAY

- Select the channel with teletext signal;
- Press **TEXT** button to activate teletext mode;
- Select desired teletext page using colour link buttons;
- Press **TEXT** again to activate mixed mode, while channel picture and teletext information are presented on the screen at the same time;
- Press **TEXT** button once again to disable teletext mode.

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 these 3 digital numbers.
- You can select to turn pages forward or backward through **▲/▼** button.

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 once more to return to original display mode.

DISPLAY MODE

- Press **REVEAL** button to display the hidden teletext information.
- Press this button again to cancel.

COLORIZED BUTTONS (RED, GREEN, YELLOW, BLUE)

- Select the corresponding teletext page through colorized buttons.

i NOTE

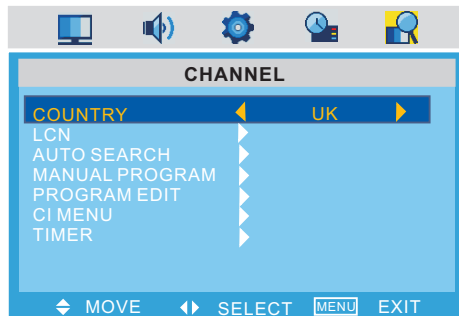
If the TV finds some, but not all, of the Digital channels, the TV is functioning correctly but the signal being received is not strong enough. (The signal strength needs to be above 85% - you can see the signal strength the TV is receiving when you search channels/ programmes) you will need to increase the signal reception in order to receive all of the channels available. The most economical way to do this is by purchasing and connecting a 'signal booster' in between the TV and the TV aerial socket. If this does not solve the problem, you will need to upgrade the TV aerial to a digital hi-gain compatible aerial.

CHANNEL

In the **CHANNEL** menu you may change the channel set up of preferences in DTV that include COUNTRY, LCN (Logical Channel Numbering), AUTO SEARCH, MANUAL PROGRAM, PROGRAM EDIT, CI MENU, TIMER.

How to Navigate:

Press the **MENU** button on the remote control. Navigate using arrow **【◀】 / 【▶】** buttons to select CHANNEL. Gain access to display options by pressing the down **【▼】** arrow button to highlight COUNTRY or other options, then press **【◀】 / 【▶】** arrow buttons on your remote control to select.



- Use down **【▼】** arrow button to highlight COUNTRY and AUTO SEARCH. The operation of these two options can be referred to First Time Installation.
- Use down **【▼】** arrow button to highlight LCN. Navigate using **【◀】 / 【▶】** arrow button to select this option ON or OFF.

MANUAL PROGRAM

- Use down **【▼】** arrow button to highlight MANUAL PROGRAM. Navigate using **【▶】** arrow button to enter the submenu.



- Use down **【▼】** arrow button to highlight PROGRAM. Navigate using **【◀】 / 【▶】** arrow button to select the program that you want to watch.
- Use down **【▼】** arrow button to highlight START SEARCH. Navigate using **【▶】** arrow button to BEGIN searching.
- The other options in this menu are unavailable, as these options just display to show the current signal situation. The CHANNEL FOUND shows how many channels are found recently. The SIG. QUALITY and SIG. STRENGTH shows the quality and the strength of the current signal. And the FREQUENCY shows the frequency of the current signal.

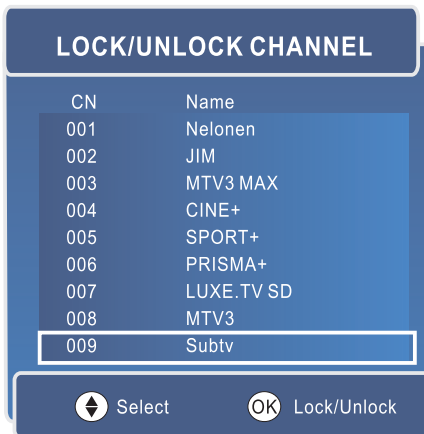
PROGRAM EDIT

·Use down **【▼】** arrow button to highlight PROGRAM EDIT. Navigate using **【▶】** arrow button to enter the submenu as following.



This option has six functions.

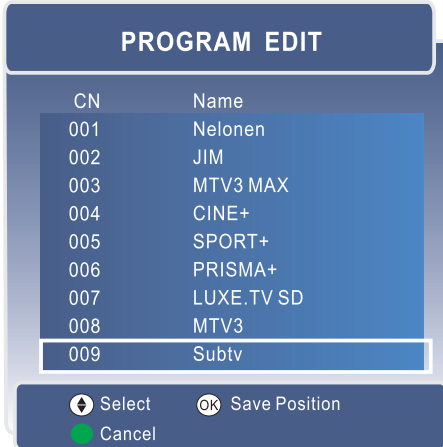
- Use the **【▲】** / **【▼】** arrow button to select channel.
- Use **【OK】** button to view the channel selected.
- Use **Blue** button on the remote control to enter the submenu of Lock Channel.



·Use the **【▲】** / **【▼】** arrow button to select channel.

· Use the **【OK】** to set the current channel to lock, and if the current channel already lock, press blue button again will unlock.

- Use **Red** button on the remote control to delete the channel selected.
- Use **Green** button on the remote control to enter the submenu for recordering the channels.



- Use the **▲** / **▼** arrow button to select channel.
- Use the **OK** button to save the position of the channel's order.
- Use **Green** button on the remote control to cancel the channel selected.

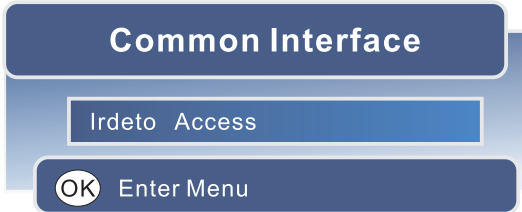
· Use **Yellow** button on the remote control to rename the current channel.



- Use the **▲** / **▼** / **◀** / **▶** arrow button to select, then use **OK** button to confirm.
- Use **Green** button on the remote control to save text.
- Use **Yellow** button on the remote control to cancel the objects selected.

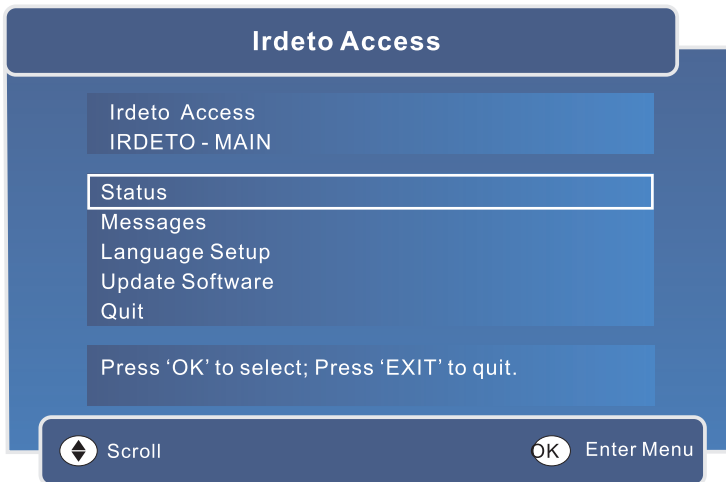
CI MENU

- Use down **【▼】** arrow button to highlight CI MENU. Navigate using **【▶】** arrow button to enter the submenu.



Note: This is just an example for reference, different CI module will have the different CI menu.

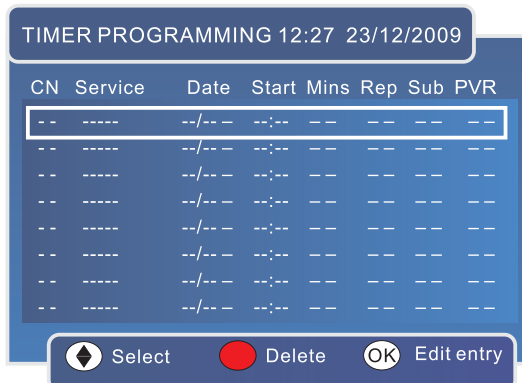
- Use **【OK】** button to enter the submenu.



- Use the **【▲】** / **【▼】** arrow button to select Status, then use **【OK】** button to enter submenu.
- Use the **【▲】** / **【▼】** arrow button to select Messages, then use **【OK】** button to enter submenu.
- Use the **【▲】** / **【▼】** arrow button to select Language Setup, then use **【OK】** button to enter submenu.
- Use the **【▲】** / **【▼】** arrow button to select Update Software, then use **【OK】** button to enter submenu.

TIMER

- Use down **▼** arrow button to highlight **TIMER**. Navigate using **▶** arrow button to enter the submenu.



- Use the **▲** / **▼** arrow button to select timer event.
- Use the **OK** button on the remote control to edit timer event.



- Navigate using **◀** / **▶** arrow button to select channel or enter Channel No. using number buttons.
- Use down **▼** arrow button to highlight Start **Date** (Y/M/D). Navigate using **◀** / **▶** arrow button and using number buttons to enter Start Date.
- Use down **▼** arrow button to highlight Start **Time**. Navigate using **◀** / **▶** arrow button and using number buttons to enter Start Time.
- Use down **▼** arrow button to highlight **Duration**. Navigate using **◀** / **▶** arrow button and using number buttons to enter Duration.

Notes:

- PICTURE menu and description are the same as that for TV mode.
- SOUND menu and description are the same as that for TV mode.
- SETTING menu and description are the same as that for TV mode.
- TT LANGUAGE and BLUE SCREEN are invalid in FUNCTION menu, and it will be shown in gray. Other menu and description are the same as that for TV mode.

EPG

An EPG is provided by the programme providers. It provides programmes information for the next 7 days.

- Use the **【EPG】** button on the remote control to call out the subtitle Electronic Program Guide.

TV GUIDE 13:10 23/12/2009

12:00 - 18:00
BBCi
BBCi - featuring news, sport, weather and TV guide

BBCi

CN	Name	13:00	23/12	15:00
001	YLE TV1	BBC Ne	So	Titanic
002	YLE PEILI	No Information Available		
003	YLE TV2	No Information Available		
004	BBCi	BBCi		
005	YLE FSR+ABC	No Information Available		

Select
 Scroll
 To View
 Preview
 Timer
 - Day
 + Day

This option has seven functions.

- Use the **【▲】 / 【▼】** arrow button to select channel.
- Use the **【◀】 / 【▶】** arrow button to scroll.
- Use the **【OK】** button to view the channel selected.
- Use **Yellow** button on the remote control to see programs for the yesterday or further.
- Use **Blue** button on the remote control to see programs for the next day or further.
- Use **Red** button on the remote control to view Timer menu.

SUBTITLE

- Use the **SUBTITLE** button on the remote control, the subtitle menu will appear as follows:

- Use the **【▲】 / 【▼】** arrow button to select **Language**, then use **【OK】** button to display subtitle.

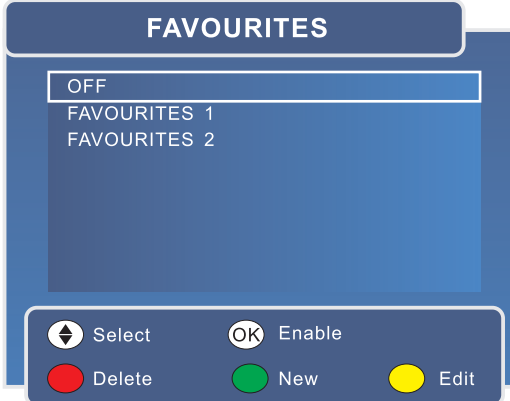
SUBTITLES

ENG
OFF

Select Accept

FAV

·Use the **FAV** button on the remote control, the **FAV** menu will appear as follows:



This option has five functions.

- Use the **▲** / **▼** arrow button to select channel.
- Use the **OK** button to enable the channel selected.
- Use the **Red** button on the remote control to delete the favourite list.
- Use the **Green** button on the remote control to add the favourite list.
- Use the **Yellow** button on the remote control to enter the submenu to edit the favourite list.



This option has five functions.

- Use the **▲** / **▼** arrow button to select channel.
- Use the **OK** button to service the channel selected.
- Use the **Red** button on the remote control to delete the favourite list.
- Use the **Green** button on the remote control to recorder the favourite list.
- Use the **Yellow** button on the remote control to rename the channel.

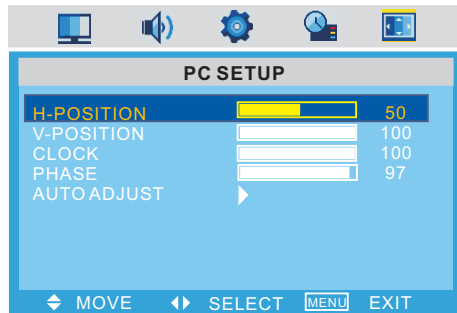
PC SETUP

The PC SETUP menu is just for the PC Mode.

In the PC SETUP menu you may change the channel set up of preferences in PC MODE that include H-POSITION, V-POSITION, CLOCK, PHASE and AUTO ADJUST.

How to Navigate:

Press the **MENU** button on the remote control. Navigate using arrow **【◀】 / 【▶】** buttons to select PC SETUP. Gain access to display options by pressing the down **【▼】** arrow button to highlight H-POSITION or other options, then press **【◀】 / 【▶】** arrow buttons on your remote control to select.



- Use down **【▼】** arrow button to highlight H-POSITION. Navigate using **【◀】 / 【▶】** arrow button to set the H-POSITION.
- Use down **【▼】** arrow button to highlight V-POSITION. Navigate using **【◀】 / 【▶】** arrow button to set the V-POSITION.
- Use down **【▼】** arrow button to highlight CLOCK. Navigate using **【◀】 / 【▶】** arrow button to set the CLOCK.
- Use down **【▼】** arrow button to highlight PHASE. Navigate using **【◀】 / 【▶】** arrow button to set the PHASE.
- Use down **【▼】** arrow button to highlight AUTO ADJUST. Using **【▶】** arrow button to auto adjust the options above.

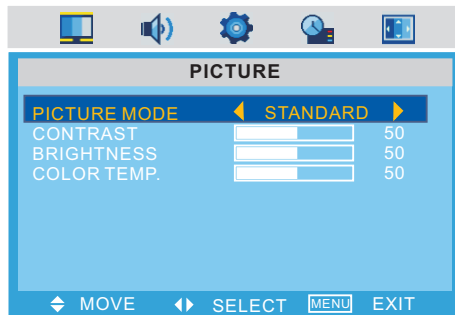
PICTURE

The **PICTURE** menu offers options to enhance and refine the picture displayed on your TV based on ambient room light and personal preferences. Adjustment options include **PICTURE MODE**, **CONTRAST**, **BRIGHTNESS** and **COLOR TEMP.**.

How to Navigate:

Press the **MENU** button on the remote control. Navigate using **【◀】 / 【▶】** arrow buttons to select **PICTURE**. Press the down **▼** arrow button to highlight **PICTURE MODE**, then press the **【◀】 / 【▶】** arrow button to select your viewing preference from 4 factory options: **STANDARD > MOVIE > VIVID > PERSONAL**.

The **STANDARD** setting is recommended for most viewing environments. Depending on the ambient light level in the room, you may find one of the other options more pleasing.



To make more critical adjustments based on your own preferences in **PERSONAL**:

- Use down **【▼】** arrow button to highlight **CONTRAST**. Navigate using the **【◀】 / 【▶】** arrow buttons to increase or decrease contrast intensity.
- Use down **【▼】** arrow button to highlight **BRIGHTNESS**. Navigate using the **【◀】 / 【▶】** arrow buttons to increase or decrease overall brightness.
- Use down **【▼】** arrow button to highlight **COLOR TEMP.**. Navigate using the **【◀】 / 【▶】** arrow buttons to increase or decrease color intensity.

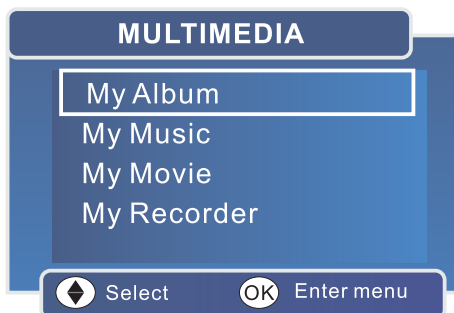
Notes:

1. **SOUND** menu and description are the same as that for TV mode.
2. **SETTING** menu and description are the same as that for TV mode.
3. **FUNCTION** menu and description are the same as that for TV mode.

MULTIMEDIA

Note: Before operating **MULTIMEDIA** menu, Plug in USB device or memory card, then press **INPUT** button to set the **Input Source** to **DTV**.

- Use **[MEDIA]** button to highlight call out the **MULTIMEDIA** menu.
- Navigate using the **[▲]** / **[▼]** arrow buttons to select the options including My Album, My Music, My Movie and My Recorder, and then use **[OK]** button to enter the submenus.



·My Album

My Album - Thumbnail



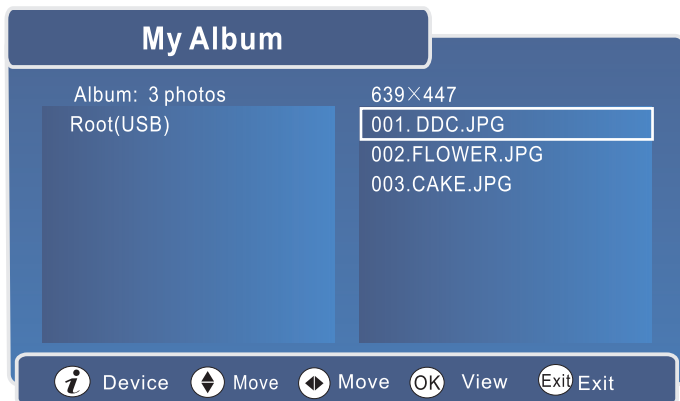
639×447

1/1



This option has four functions.

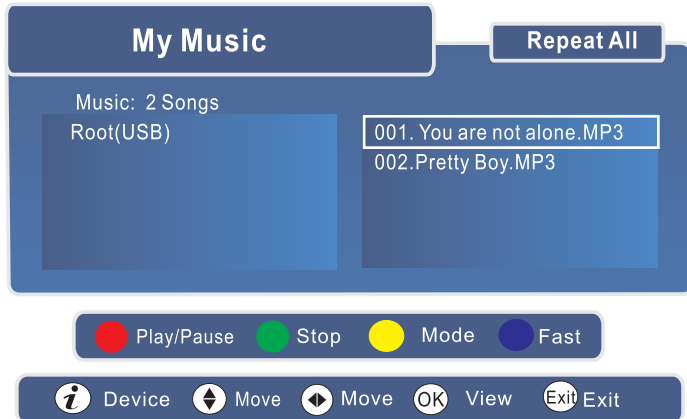
- Use the **[▲]** / **[▼]** / **[◀]** / **[▶]** arrow button to move to select picture.
- Use the **[OK]** button to view the picture selected.
- Use the **[EXIT]** button to exit the picture preview menu.
- Use the **Blue** button on the remote control to enter the picture folder as following.



This option has four functions.

- Use the **【DISPLAY】** button to select device.
- Use the **【▲】 / 【▼】 / 【◀】 / 【▶】** arrow button to move to select picture.
- Use the **【OK】** button to view the picture selected.
- Use the **【EXIT】** button to exit the picture preview menu.

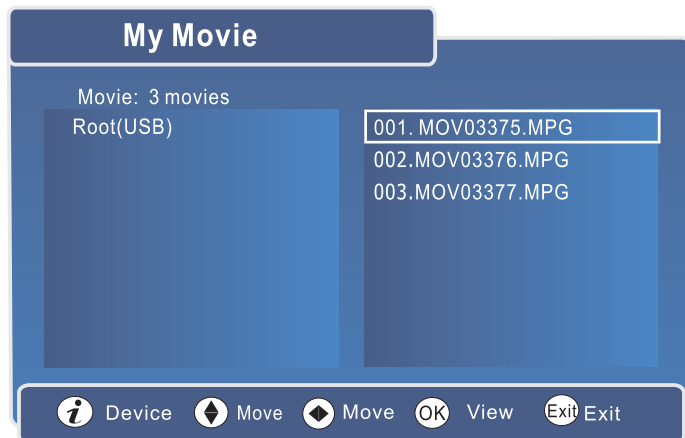
·My Music



This option has eight functions.

- Use the **Red** button on the remote control to play or pause the song.
- Use the **Green** button on the remote control to stop playing songs.
- Use the **Yellow** button on the remote control to select the play mode roundly: No Repeat, Repeat All and Repeat Once.
- Use the **Blue** button on the remote control to fast play the song.
- Use the **【DISPLAY】** button to select device.
- Use the **【▲】 / 【▼】 / 【◀】 / 【▶】** arrow button to move to select song.
- Use the **【OK】** button to play the song selected.
- Use the **【EXIT】** button to exit.

·My Movie



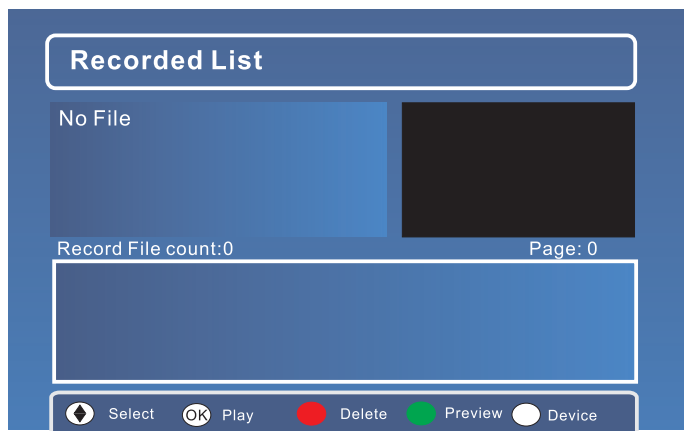
This option has four functions.

- Use the **【DISPLAY】** button to select device.
- Use the **【▲】 / 【▼】 / 【◀】 / 【▶】** arrow button to move to select movie.
- Use the **【OK】** button to view the movie selected.
- Use the **【EXIT】** button to exit.

·My Recorder

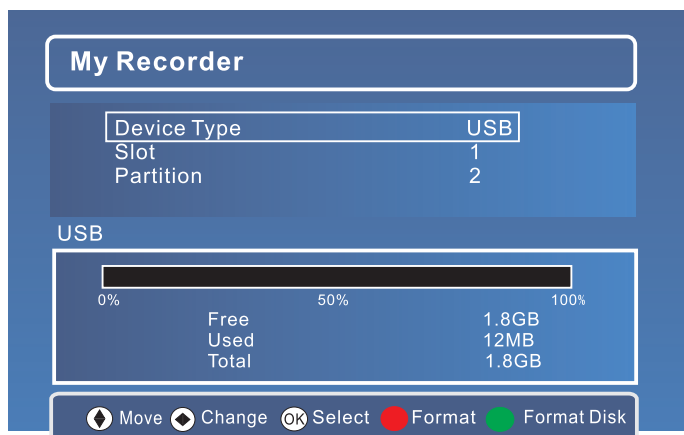


- Navigate using the **【▲】 / 【▼】** arrow buttons to select the options including Recorded List, Recording Device, Recording Preference, and then use **【OK】** button to enter the submenus.



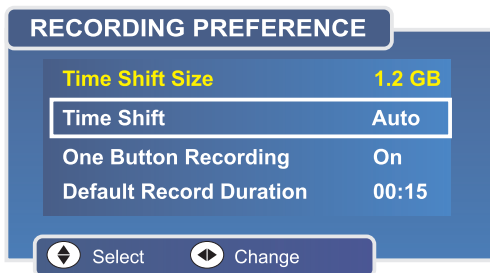
This option has five functions.

- Use the **【DISPLAY】** button to select device.
- Use the **【▲】 / 【▼】** arrow button to move to select file recorded.
- Use the **【OK】** button to select the file, and use it again to play the file.
- Use the **Red** button on the remote control to delete the file selected.
- Use the **Green** button on the remote control to preview the file selected.



This option has five functions.

- Use the **【▲】 / 【▼】** arrow button to move to select the recorder.
- Use the **【◀】 / 【▶】** arrow button to change the recorder.
- Use the **【OK】** button to select the recorders.
- Use the **Red** button on the remote control to format the select partition selected.
- Use the **Green** button on the remote control to format all partitions.
- Use the **【EXIT】** button to exit the menu.



This option has three functions.

- Navigate using the **【▲】** / **【▼】** arrow button to select the options.
- Use the **【◀】** / **【▶】** arrow button to change the options mode.
- Time Shift options: **Off > Pause > Auto**.
- One Button Recording options: **On > Off**.
- Default Record Duration can be changed from **00:00** to **08:00** min with step of 15 sec.

USB PVR RECORDING & PLAYBACK FUNCTION

USB PVR Recording

Lets you record your favourite TV programmes to a USB Memory stick device (not included) & playback of recorded material.

- Plug in compatible High Speed USB Memory Stick (see page 43 for required specification) to USB connector on side of TV.
- Use the **【●】** button to start the recording.
- Use the **【■】** button to stop the recording.

PVR Time Shift

- To enable **Time Shift** use Recording Preference menu.
- Use the **【▶||】** button to pause or start the play of recorded program.
- Use the **【◀◀】** button to rewinds at high speed. Each time you press this button the rewind speed is increased.
- Use the **【▶▶】** button to fast forward at high speed. Each time you press this button the fast forward speed is increased.
- Use the **【■】** button to exit Time Shift mode.

■ PVR Recording

USB PVR Function

- * PVR function let's you record your favourite TV programmes to external Memory Stick (not supplied).

Important Information About USB PVR Function

- * Due to the nature of the product, it is necessary to use a high speed USB memory stick (as the TV reads from and writes to the memory stick at the same time, some memory sticks may not be suitable).
- * Important note - If you use a memory stick that does not meet the minimum specification as mentioned below, you may find that you experience 'lip sync' issues (where the sound is out of alignment with the picture being displayed).
- * This is usually only apparent when using time-shift function (pause live TV then continue to play when recording is taking place in the background).
- * You can purchase high speed memory sticks from most Electrical or PC stores. Before making your purchase please confirm the memory stick meets the minimum specifications as below:
Read Speed 20MB/s (Mega Byte Per Second)
Write Speed 6 MB/s (Mega Byte Per Second)
- * Maximum recording time and time shift depends on disk space.
- * VIP - When formatting USB device, it will delete all existing recordings and data stored on the USB. If USB device has a virus, format function may not work.
- * Has multiple partitions such as the use of mobile hard disk, you can select the corresponding partition from PVR File System menu.
- * PVR function will work only if the external USB device has it's own power supply.
- * Records in DTV video format (ST streams).
- * PVR function is only available in DTV source.
- * USB device must be compatible USB 2.0 HS specification.

BASIC OPERATION

- Turn ON and OFF the DVD function
 - Turn on the LCD TV and then press **INPUT** repeatedly to select DVD mode.
- Insert Disc to DVD
 - Insert the Disc to the Disc slot (mirror (record) side of the disc has to face towards front of the unit), the player will load the disc automatically. There will have an on screen indication "**CLOSE**" then "**LOADING**". After loading the disc content, it will switch to play mode automatically. If the disc is already placed inside, the disc will be read automatically.

NOTE: - For some discs, after loading the content of the disc, need to press **▶** or select from the disc menu to start.

- Please make sure when inserting the Disc, the mirror (record) side of the disc should be facing you.

When inserting the Disc incorrectly, you may damage the DVD mechanism.

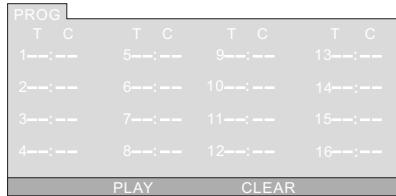
To eject the DVD Disc press:



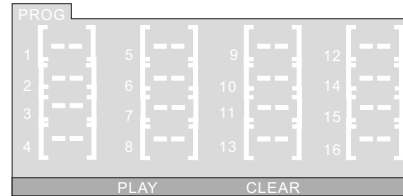
DVD EJECT
(Valid in DVD mode)

- Play the DVD
 - According to the disc content, the disc menu will display for your selection. When playing the disc, you may use **▶** button to toggle between Play and Pause mode. This product also supports Menu, Title, Sequential and Program playback.
- Menu playback (for DVD/ super VCD and VCD 2.0 discs)
 - Press **D.MENU** button
 - For DVD discs, the screen will display the DVD Disc Menu (Root Menu)
 - For Super VCD & VCD2.0 discs, the screen will display the Super VCD, VCD2.0 Disc Menu (PBC: [OFF])
 - (Press the **D.MENU** button to display the PBC status).
 - Playback the Super VCD & VCD2.0 discs, the default PBC status is ON.
 - For DVD discs, use the navigation buttons to select and Play the highlighted contents; For Super VCD & VCD2.0 discs, use the numeric buttons to play your favorite content directly.
 - NOTE:** PBC should be OFF.
 - Press **OK** or **▶** button to start from the highlighted content.
 - Return to the Root Menu when playing the disc
 - For DVD discs, press **D.MENU** to display the Disc Menu.
 - For Super VCD & VCD2.0 discs, when PBC is ON, press **D.MENU** to display the Disc Menu.
 - STOP
 - Press **■** button once to stop. Press **▶** button to resume from where you stopped.
 - Press **■** button Twice to stop. Press **▶** button to start from beginning.
 - In order to protect the disc, press **■** button then press **EJECT** button to take the disc out. When the disc is ejected, hold the disc edge slightly and take it from the eject direction to prevent scratches.
 - When not using the DVD function (in stand-by mode or using others modes for a long time), please take out the disc to protect the DVD loader and the disc.
- Title playback (for DVD disc only)
 - Press **TITLE** button, there will have an on screen indication "**Title Menu**".
 - Press the direction or numeric buttons to select your favorite title.
 - Then will play from the first chapter of the selected title.
- Sequential playback (for DVD/ Super VCD/ VCD/ CD/ CD-G/HD-CD and Mp3/ JPEG discs)
 - For Super VCD & VCD discs, if PBC is "ON" status, press **▶** button will enter the disc menu. Press **D.MENU** button to turn PBC OFF. Press **▶** button to start in sequent. For others, while it stopped, press **▶** button to start in sequent.
- Program playback (for DVD/ Super VCD/ VCD/ CD/ CD-G/HD-CD and Mp3/ JPEG discs)
 - Using Program playback, you can select max. 16 tracks from the disc to playback in programmed order.
 - OSD for program playback as below.

DVD / MP3 / JPEG discs



SuperVCD/VCD/CD/CD-G/D-CD discs



- If it is in PBC ON status, using program playback will turn to PBC OFF automatically.
- According to the highlight area input the title and chapter number by numeric buttons, press **▶** button to start; or move to the **<PLAY>** by navigation buttons, press **OK** button to start.
- While playing the program, you may press **PROGRAM** button to display the program menu for edit. To clear the program by moving to **<CLEAR>** and press **OK** button. Or press **■** button to end the program. When press **▶** button again, the disc will play by sequent.
- While playing the program, there will have an on screen indication "PRG PLAY" and the current title and chapter number.

SUPPORTING DVD FORMAT

This products can play the following format of DVD disc.

Disc Type	Disc Size (Diameter)	Recorded Time	Recorded Content	Remarks
DVD	12cm	Single side:120mins. Approx	DVD format: Compressed digital audio and video	
		Double side:240mins. Approx		
Super VCD	12cm	45mins. Approx	MPEG2 Compressed digital audio and video	Include SVCD
VCD	12cm	74mins. Approx	MPEG1 Compressed digital audio and video	Include: VCD2.0/ VCD1.1 VCD1.0/ DVCD
CD	12cm	74mins. Approx	CD-DA: Digital audio	
HD-CD	12cm	74mins. Approx	HD-DA: Digital audio	
MP3/JPEG	12cm	600mins. Approx	Digital audio	

NOTE: Also support DVD-R, CD-R, CD-RW playback.



WARNING! DO NOT INSERT OR PLAY 8CM DISC, THEY WILL GET STUCK.

Region Code

As it is usual for DVD movies to be released at different times in different regions of the world, all players have region codes and discs can have an optional region code. If you load a disc of a different region code into your player you will see the region code notice on the screen. The disc will not playback and should be unloaded.



DVD FUNCTIONS OPERATING INSTRUCTIONS

1. Play (for DVD/ Super VCD/ VCD/ CD/ CD-G/HD-CD and Mp3/ JPEG discs)

- For DVD disc, press **▶** button from root or title menu; while playing the DVD, you may play your favorite title directly with title selection by pressing the TITLE button.
 - For Super VCD & VCD discs, while playing the disc, you may play your favorite tracks by numeric buttons.
(NOTE: When using the Program playback or when it is PBC ON status, you can only use **▶▶** or **◀◀** buttons to change the track)
 - For CD, CD-G & HD-CD discs, while playing the disc, you may play your favorite tracks by numeric buttons.
 - For MP3 / JPEG disc, you may play your favorite tracks by numeric buttons from the content menu.
 - If input track number is not valid, it will not function.
- NOTE:** From track 1-10, use numeric buttons directly; For tracks over 10, use numeric buttons directly or press - / - button first (E.g. Track 15, press - / - then 5)

2. Previous/Next (for DVD/ Super VCD/ VCD/ CD/ CD-G/HD-CD and Mp3/ JPEG discs)

- While playing the disc;
 - Press **◀◀** button to play to the last Title / Chapter / track.
 - Press **▶▶** button to play to the next Title / Chapter / track
- For super VCD & VCD discs, in PBC OFF status;
 - If the current track is the first one, press **◀◀** button will stop the playback.
 - If the current track is the last one, press **▶▶** button will stop the playback.
- For DVD discs, the above functions may vary due to different DVD disc's structure.

3. Forward/ Backward (for DVD/ Super VCD/ VCD/ CD/ CD-G/HD-CD and Mp3/ JPEG discs)

- While playing the disc, you may use forward or backward function.
 - There are 5 speeds for forward or backward. Press **◀ / ▶** button to toggle between different speeds in sequent. (FFx2 / FFx4 / FFx8 / FFx16 / FFx32 / Play, or FRx2 / FRx4 / FRx8 / FRx16 / FRx32 / Play).
 - While in forward or backward, you may press **▶** to resume normal speed.
 - For CD, HD-CD, Mp3, forward or backward also has audio output.
 - For DVD discs, if backward to first title / chapter, it will start from the beginning.
 - For Super VCD & VCD discs, in PBC ON status, if backward to the first track, it will start from the beginning.
- NOTE:** During Forward or Backward, the sound will be off.

4. Slow motion (for DVD/ Super VCD/ VCD discs)

- While playing the disc, you may use slow motion function.
 - There are 5 speeds for slow motion. Press **▶** button to toggle between different speeds in sequent. (SF1/2, SF1/4, SF1/8, SF1/16, SF1/32, Play).
 - While in slow motion, you may press **▶** to resume normal speed.
- NOTE:** During Slow motion, the sound will be off.

5. Pause (for DVD/ Super VCD/ VCD/ CD/ CD-G/HD-CD and Mp3/ JPEG discs)

- FOR CD, CD-G, HD-CD & MP3/JPEG discs, press **▶** button to pause; press **▶** button to resume.
- FOR DVD, Super VCD, VCD discs, press **▶** button to pause; press **▶** button to playback frame by frame; press **▶** button to resume.

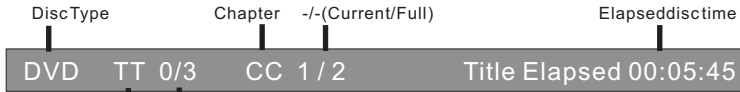
6. Repeat (for DVD/ Super VCD/ VCD/ CD/ CD-G/HD-CD and Mp3/ JPEG discs)

- Press **REPEAT** button once to display the current repeat mode.
- For Super VCD, VCD, CD, CD-G, HD-CD, discs, while playing in sequent, you may use the repeat playback. There are 2 repeat modes, press REPEAT to toggle between different modes in sequent. (REPEAT (OFF) / REPEAT (1) / REPEAT (ALL)).
- For DVD discs, you may setup the repeat playback mode. There are 2 repeat modes, press REPEAT to toggle between different modes in sequent. (REP: (OFF) / REP: (CHAPTER) / REP: (TITLE) / REP: (ALL)). For MP3 / JPEG discs, while playing the disc, you may use the repeat playback. There are 3 repeat modes, press **REPEAT** to toggle between different modes in sequent. (REPEAT (OFF) / REPEAT (1) / REPEAT (DIR) / REPEAT (ALL)).

7. Display (for DVD/ Super VCD/ VCD/ CD/ CD-G/HD-CD and Mp3/ JPEG discs)

- Press **D.DISP** button to activate the on screen roll-down menu for the current Title, Chapter, time and other information.

- For DVD discs, (2 pages) Press **D.DISP** button once to display first page as shown below:



Title -/- (Current/ Full)

Press **D.DISP** button again to display second pages shown below:



Subtitle -/- (Current/Full) or OFF -/- (Current/ Full) or OFF

- For Super VCD discs, (2 pages), Press **D.DISP** button once to display first page: Disc type, Track -/- (Current / Full), Mute status, PBC status, Repeat mode status, Current track time. Press **D.DISP** button again to display second page: Audio -/- (Current/Full) or OFF, Audio type, Language, Subtitle -/- (Current/Full) or OFF. Press **D.DISP** button again to turn off the on screen display.
 - For CD, CD-G, HD-CD, MP3 / JPEG discs, Press **D.DISP** button once to display first page: Disc type, Track -/- (Current / Full), Mute status, Repeat mode status, Current track time.
- Press **D.DISP** button again to turn off the on screen display.

8. Goto (for DVD/ Super VCD/ VCD/ CD/ CD-G/HD-CD and Mp3/ JPEG discs)

- This function allows you to play your favorite Title / Chapter / track. Press **GOTO** button to activate the on screen scroll-down menu for edit. According to the highlighted area, input your favorite Title / chapter / Track number by numeric buttons or input the playback time. After editing, press **OK** to start. If the input is invalid, it will not function.

NOTE: While editing, the **GOTO** button is not function.

- If it is in PBC ON status, this function will switch it to OFF.

- For Mp3/JPEG discs, use numeric buttons directly to select your favorite songs or pictures.

9. AUDIO (for DVD/ Super VCD/ VCD/ CD/ CD-G/HD-CD and Mp3/ JPEG discs)

- Press **AUDIO** button once to display current audio mode.

- Press again to toggle between different audio modes in sequent.

- For Super VCD & VCD, CD, CD-G, HD-CD, MP3 discs: (L/L , R/R , STEREO, MIX MONO)

NOTE: Switching to Auto L / R audio channel may be varied due to different discs contents. Bilingual VCD discs can use **AUDIO** button to switch between different languages.

10. Language (for DVD and Super VCD discs)

- Press **AUDIO** button once to display current language.

- Press again to toggle between different languages mode in sequent.

NOTE: For Multi-languages DVD & Super VCD discs, press **AUDIO** button to select your favorite language.

11. Subtitle (for DVD and Super VCD discs)

- Press **SUBTITLE** button once to display current sub-title.

- Press again to toggle between different subtitle modes in sequent.

NOTE: For Multi-languages subtitle DVD & Super VCD discs, press **SUBTITLE** button to select your favorite subtitle language.

12. Angle (for DVD disc)

- Press **ANGLE** button once to display current playback angle.

- Press again to toggle between different playback angle codes in sequent. (E.g. Angle -/- (Current/Full) or OFF)

NOTE: Only for DVD with multi-angle, press **ANGLE** button to select your favorite playback angle.

Selectable playback angle depends on the availability of the DVD contents.

13. Mute (for DVD/ Super VCD/ VCD/ CD/ CD-G/HD-CD and Mp3/ JPEG discs)

- Press **MUTE** button to mute the audio output. There will have an on screen symbol indicate "MUTE".
- Press again to cancel, or Press VOL + to cancel and adjust the volume.
- In case there is no audio output, try to press MUTE button to cancel mute.

14. ZOOM (for DVD/ Super VCD/ VCD / Mp3 and JPEG discs)

- Press ZOOM button to zoom in the picture.
- There are 3 zoom modes, press ZOOM button to toggle between different zoom modes in sequent. (Zoom OFF, Zoomx2, Zoomx4)
- In Zoomx2 and Zoomx4, you may use the navigation buttons to pan the picture for your favorite portion.

15. A- B (for DVD/ Super VCD/ VCD/ CD/ CD-G/HD-CD and Mp3/ JPEG discs)

- In normal Playback, fast forward or fast reverse, press A-B button at where you want to start the repeat portion. There will have an on screen indication "REPEAT A".
- In normal Playback, fast forward or fast reverse, press A-B button again at where you want to stop the repeat portion. There will have an on screen indication "REPEAT A B".
- The repeat function started to playback the portion from A to B automatically.
- Press A-B button again to cancel. There will have an on screen indication "REPEAT OFF".
- For Super VCD, VCD & CD discs, repeat A-B is only function within the same track. When playing the others, repeat A-B will cancel automatically.
- For Super DVD discs, repeat A-B is only function within the same Title /Chapter. When playing the others, repeat A-B will cancel automatically.

16. Volume (for DVD/ Super VCD/ VCD/ CD/ CD-G/HD-CD and Mp3/ JPEG discs)

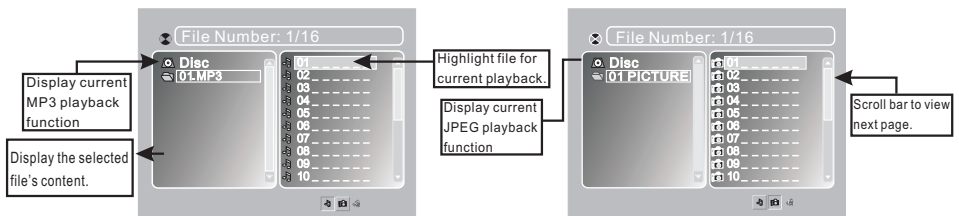
- Press - VOL / VOL + buttons to adjust the output volume.
- NOTE:** Playback DVD discs in original code, is not adjustable

17. INTRO (for Super VCD/ VCD/ CD/ CD-G/ HD-CD)

- Intro/Scan/9 picture displays.

MP3/JPEG PLAYBACK

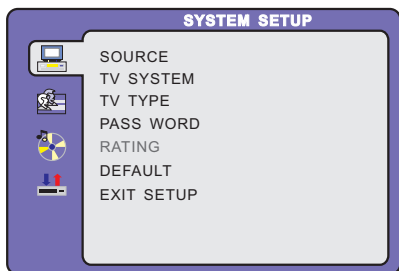
After loading the MP3 / JPEG disc, it will start to scan for the stored MP3 /JPEG folders. Then will firstly display the MP3 contents automatically. Screen as follow:



- Using the navigation buttons to check you favorite folder and playback the first file or move to the your favorite file.

NOTE:

- Press ◀▶ buttons to move the highlight to folders, documents or mode selection.
- Press numeric buttons to select the contents directly. For number over 10, use numeric buttons directly or press - / -- button first(E.g. Track 15, press - / -- then 5)
- When playback MP3 files, there is no picture display, only audio output.
- Playing the JPEG discs, press **PROGRAM** button to select slide effects. There are 10 slide modes, press **PROGRAM** button to toggle between different modes in sequent. (Start from top, Start from bottom, Start from left, Start from right, Start from upper left corner, Start from four corners, etc)
- When play or pause with picture playback, you may use navigation buttons to flip / rotate the picture.
 - ▲ button to flip horizontally.
 - ▼ button to flip vertically.
 - ◀ button to rotate left 90°.
 - ▶ button to rotate right 90°.
- When play or pause with picture playback, Press ◀▶ button to select next / previous page or press numeric buttons to view the corresponding pictures.

FUNCTION SETTINGS**DVD Function General setup**

- Press DVD SETUP button to activate the DVD player OSD menu;
- Press ◀▶ button to move and highlight between different sub-menu. Press ▲▼ OK button to enter the highlighted sub-menu.
- Press DVD SETUP button to exit the OSD menu, or move the highlight to EXIT SETUP then press OK button to exit.

NOTE: In Setup mode, the following functions will be cancel or pause :

TITLE, SUBTITLE, DISPLAY, PLAY, SETUP, STOP, SLOW / STEP, AUDIO, F.FWD, F.REV, PREV, NEXT, GOTO, ZOOM, ANGLE, PROGRAM, PREVIEW, REPEAT, A-B.

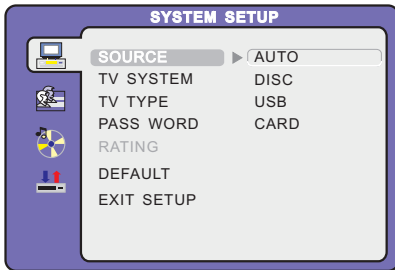
System Setup**SOURCE**

Select according to what type of media you want to playback:

(DISC, USB, CARD)

Default setting is AUTO.

CARD and USB options is unavailable.



TV SYSTEM

This menu enables you to set the picture format for your TV/DVD.

NTSC

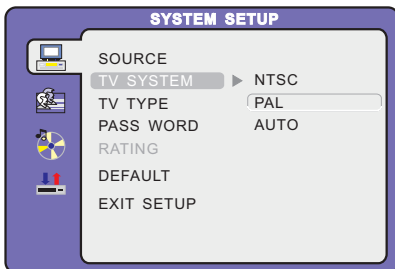
This format is used by some other countries, e.g. USA

PAL

This is the format used in the EUROPE and the default setting.

AUTO

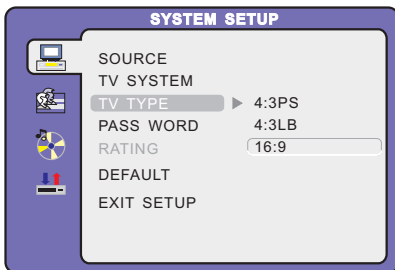
This format can be used if your TV/DVD is capable of both PAL and NTSC formats.



NOTE: PAL format is generally used for TVs in the EUROPE. Check your TV user guide for supported formats. If NTSC is selected with a non-compatible television you may experience interference or picture scrolling.

TV TYPE

DVDs are produced in a variety of screen aspect ratios. This menu enables you to select one of the three aspect ratios:



- 4:3 PS
- 4:3 LB
- 16:9

- Select the most appropriate aspect ratio for the DVD being viewed.

4:3PS

Pan and Scan is used for most normal television broadcasts and it is the default setting. It has an aspect ratio of 4:3. If you select this setting when viewing a DVD the picture will fill the screen but, you will not see the left and right edges of the picture.



4:3LB

Letter Box will show the DVD in its original aspect ratio so depending on the size of your television screen, you may see black borders above and below the picture.



16:9

Choose this setting if you have a widescreen television.

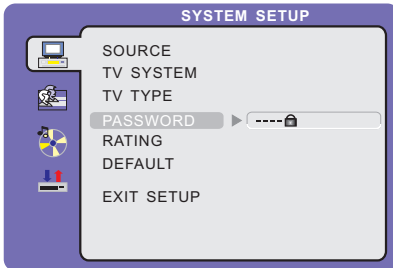
NOTE:

- Playback screen size may vary according to the discs contents.
- For discs with 4:3 contents, using any mode would only display a 4:3 screen
- Screen ratio selection should be according to the connected TV / Display aspect ratio.



PASSWORD

- The default setting is locked. No Rating selection or change password could be done. To edit the Rating setting, please enter default password "8888" by numeric buttons, then press OK button to confirm.

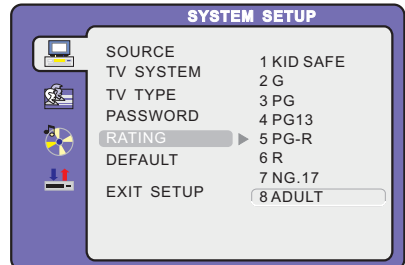


- To change password, input any 4 digit number when the lock is unlocked. Once the 4 digit number is entered, that will be your new password.

RATING

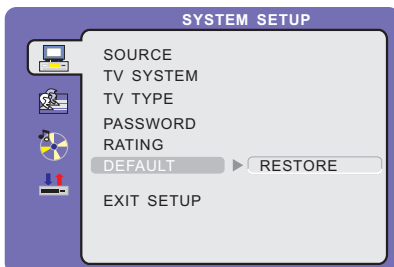
- Playback for some discs with rating, you can select the rating setting according to your preference. Rating restriction divided in eight different category from KID SAFE to ADULT. This option is valid when you press stop button twice to playback and then enter setup menu.

NOTE: Only editable when password is unlocked. And only can function when password is locked. It does not, however, reset either the Password or the Rating setting.



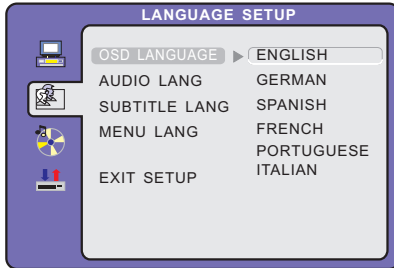
DEFAULT SETTING

- Press OK button to restore factory default.



Language Setup

Press **SETUP** button to enter the DVD OSD menu.



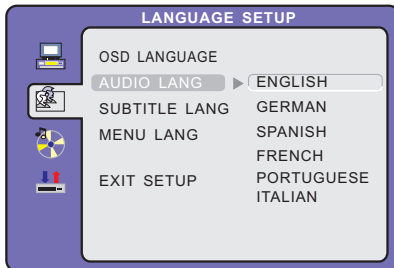
- OSD Language

Use navigation buttons to select the OSD LANGUAGE setup icon, press OK button to confirm. There are few languages for your selection, press ▲/▼ buttons to toggle between different languages.

NOTE: If the selected language is not included in you DVD disc content, it will select the default language of the disc automatically. The default language setting is English.

- Audio Language

Use navigation buttons to select the AUDIO LANG setup icon, press OK button to confirm. There are 6 languages for you selection, press ▲/▼ buttons to toggle between different languages. (ENGLISH / GERMAN / SPANISH / FRENCH / PORTUGUESE / ITALIAN). Press OK button to confirm.

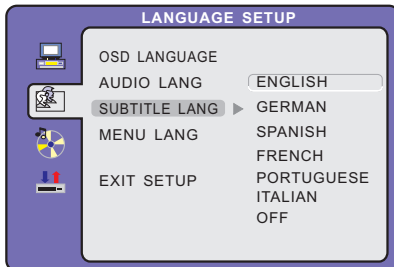


NOTE: -If the selected language is not included in your DVD disc content, it will select the default language of the disc automatically. The default language setting is English.

-Only valid when you press stop button twice to playback and then enter setup menu.

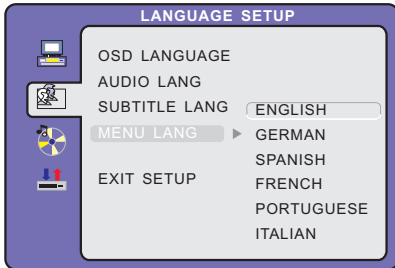
- Subtitle Language

Use navigation buttons to select the SUBTITLE LANG setup icon, press OK button to confirm. There are 6 languages for you selection, press ▲/▼ buttons to toggle between different languages. (ENGLISH / GERMAN / SPANISH / FRENCH / PORTUGUESE / ITALIAN / OFF) Press OK button to confirm.



NOTE: If the selected language is not included in you DVD disc content, it will select the default language of the disc automatically. The default language setting is ENGLISH. Only valid when you press stop button twice to playback and then enter setup menu..

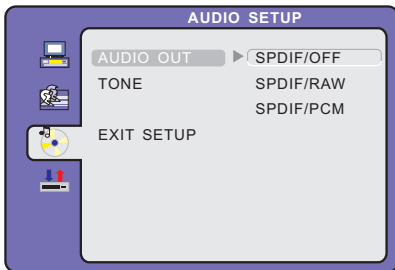
MENU Language



- Use navigation buttons to select the MENU LANG setup icon, press OK button to confirm. There are 6 languages for you selection, press ▲/▼ buttons to toggle between different languages. (ENGLISH / GERMAN / SPANISH / FRENCH / PORTUGUESE / ITALIAN) Press OK button to confirm.
- Only valid when you press stop button to playback and then enter setup menu.

Audio Setup

Audio Output

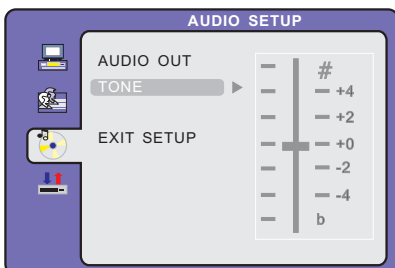


- Use navigation buttons to select the **AUDIO OUT** setup icon, press OK button to confirm.
- There are 3 modes for your selection; use navigation buttons to select different modes, press OK button to confirm. (SPDIF / OFF SPDIF / RAW SPDIF / PCM).

- SPDIF / OFF: Coaxial output off.
- SPDIF / RAW: When connected the coaxial output to your audio amplifier, playing back the discs with Dolby, MPEG contents, the coaxial outputs the original signal to your amplifier. Your Amplifier must have the corresponding decoding function.
- SPDIF / PCM: When connected with 2 channels digital stereo amplifier, playing back the discs with Dolby, MPEG contents the coaxial outputs with 2 channel to your amplifier.

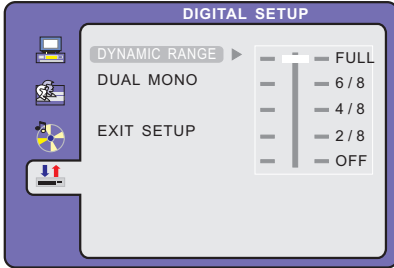
Tone

- Use ▲/▼ buttons to adjust the Tone setting.



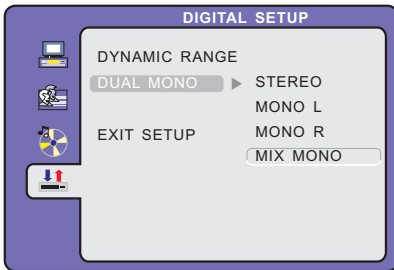
Dolby Digital Setup

Dynamic Range



- When switch the compress mode to "Audio output", adjust the compress ratio for different effect. When selected FULL, the peak signal value is smallest. When selected OFF, the peak signal value is biggest.

Dual Mono



- You can select four different audio output, STEREO, MONO L, MONO R, MIX MONO. The audio out description of these Selections is shown in the table below.

MODE	LEFT SPEAKER	RIGHT SPEAKER
STEREO	STEREO-L	STEREO-R
L-MONO	L-MONO	L-MONO
R-MONO	R-MONO	R-MONO
MIX-MONO	L-MONO+R-MONO	L-MONO+R-MONO

CARE AND MAINTENANCE

Early malfunctions can be prevented. Careful and regular cleaning can extend the amount of time you will have your new TV. Be sure to turn the power off and unplug the power cord before you begin any cleaning.

Cleaning the screen

1. Here's a great way to keep the dust off your screen for a while. Wet a soft cloth in a mixture of lukewarm water and a little fabric softener or dish washing detergent. Wring the cloth until it's almost dry, and then use it to wipe the screen.
2. Make sure the excess water is off the screen, and then let it air-dry before you turn on your TV.

Cleaning the cabinet

To remove dirt or dust, wipe the cabinet with a soft, dry, lint-free cloth. Please be sure not to use a wet cloth.

Extended Absence



If you expect to leave your TV dormant for a long time (such as a vacation), it's a good idea to unplug the power cord to protect against possible damage from lightning or power surges.



If you expect to leave your TV dormant for a long time (such as a vacation), it's a good idea to unplug the power cord to protect against possible damage from lightning or power surges.

Handling Discs

1. To remove a disc from its storage case, press on the centre of the case and take the disc out.
2. Hold the disc by the edges, to avoid touching the Recorded side of the disc.



Cleaning discs

1. Fingerprints and dust should be carefully wiped from the disc's surface with a soft cloth. Audio discs and DVD discs have no grooves to collect dust and microscopic debris so gently wiping with a soft cloth should remove most particles. Wipe in a straight line from the inside to the outside of the disc. Small dust particles and light stains should have no effect on reproduction quality.
2. Never use chemicals such as record sprays, antistatic sprays, Benzine, or thinners to clean the discs. These chemicals can irreparably damage the disc's surface.
3. Discs should be returned to their cases after use. This avoids serious scratches that could cause the laser pickup to skip.
4. Do not expose discs to direct sunlight, high humidity, or high temperature for extended periods. Exposure to high temperatures can warp the disc.
5. Do not stick paper or write anything with a ball point pen on the label side of the disc.



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

DISPLAY TROUBLESHOOTING

Symptom	Causes and Correction
Black screen, power indicator light off	◆ Check whether power cord is correctly connected, and whether this unit is in power on.
	◆ Check whether the signal cord of input device is correctly connected.
	◆ Check whether input device is in power on mode.
Image display flicker, unstable	◆ 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
	◆ Hor scanning frequency: 30kHz ~ 75kHz ◆ Ver scanning frequency: 50 Hz~75Hz

SOUND AND TV TROUBLESHOOTING

Symptom	Causes and Correction
Cannot power on	◆ Please make sure the power cord is connected correctly.
No sound	◆ Please make sure the audio cord is connected correctly.
	◆ Check volume.
	◆ Make sure there is nothing plugged into the headphone jack.
Volume too low	◆ Check volume.
	◆ If volume is still too low when adjusting volume to maximum, please check whether the input device is correctly set.
Snowy picture	◆ Input antenna damaged or not correctly connected.
Remote control failure	◆ Check whether remote control batteries are functioning.
	◆ Check the battery installation is correct.
	◆ Check whether an obstacle is between the remote control and the unit's receiving window.
	◆ Check whether the receiving window has a strong light.

DVD TROUBLESHOOTING

Symptom	Causes	Correction
Not play	<ol style="list-style-type: none"> 1. Condensation on laser head 2. Disc not properly loaded 3. Disc not compatible with the unit 	<ol style="list-style-type: none"> 1. Switch on power and wait for 1 to 2 hours 2. Make sure label side of the disc is facing up 3. Confirm whether this unit compatible with the inserted disc
Sound distortion	<ol style="list-style-type: none"> 1. Too large volume of connected device 2. Sound field mode not suitable for disc 	<ol style="list-style-type: none"> 1. Adjust the device volume 2. Adjust appropriate sound field
No sound	<ol style="list-style-type: none"> 1. Disc warped or dirty 2. The unit in mute state 	<ol style="list-style-type: none"> 1. Clean the disc 2. Press MUTE button to cancel it.
No image	<ol style="list-style-type: none"> 1. TV not set for proper system 	<ol style="list-style-type: none"> 1. Reset AV/TV state of TV
No colour	<ol style="list-style-type: none"> 1. TV system not right 2. TV colour not well adjusted 	<ol style="list-style-type: none"> 1. Try to change the colour system 2. Reset the TV colour
No disc reading	<ol style="list-style-type: none"> 1. Disc warped or dirty 2. Disc not correctly placed 3. Condensation on laser head 	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 1. Mal-fabricated disc used 2. Wrong buttons pressed 3. Static leakage into the unit from outside 	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 1. No subtitle made in disc 2. The unit subtitle is turned off 	<ol style="list-style-type: none"> 1. Disc problem 2. Press Subtitle button to select it
Image rolling	<ol style="list-style-type: none"> 1. System setup not suitable for disc 	<ol style="list-style-type: none"> 1. Adjust system mode

- If the above methods still cannot solve the problems or the troubles are special, please contact the local maintenance personnel.

◆ LCD screen	Size	23.6" : 60cm
	Type	TFT colour
◆ Frequency	Hor scanning frequency	30 KHz ~80KHz
	Ver scanning frequency	50 Hz ~75 Hz
	Display colour	16.7M (colour)
◆ Display mode	Recommended mode	23.6" : 1920 x 1080
	Max mode	
Panel Life	Hours	50,000
Input signal	Synchronous signal	H/V separation, TTL positive/negative; H/V composite, TTL positive/negative
	Video signal	Green synchronous, 0.3V _{p,p} , negative 0.7 V _{p,p} @75ohm
TV/Video	Image system	PAL/SECAM/NTSC(In video mode)
	Audio system	DK/I/BG/L
	Video format	CVBS / RGB / YPbPr / VGA
Power	From AC	~ 100V-240V (50 /60) Hz
	From DC (car)	= 12V/4.5A
Environmental factor	Working temperature	5°C ~ 35°C
	Working humidity	10%~80%
	Storing temperature	-20°C ~ 45°C
	Storing humidity	5%~95%
Media play (USB)	File format	MP3, MPEG1, MPEG2, AVI, JPEG and BMP
Audio parameter	Audio input	φ 3.5 jack(L,R), 0.5±0.3Vrms
	Frequency response	TV signal: 100 Hz~12KHz(-3dB) AV: 120 Hz~14 KHz (-3dB)
DVD	Disc type	DVD VIDEO
		MPEG4* ; SVCD**
		VCD1.0, 1.1, 2.0 version; CD-DA
Digital TV	Input connector	IEC-Type, IEC 169-2, Female
	Frequency range (VHF/UHF)	174MHz 858MHz
	Channel range(VHF/UHF)	7 & 8 Mhz

Hint: the items with "◆" symbol are related to LCD screen. Specifications and design are subject to change without notice.

* Some discs labelled with MPEG 4 on the market actually are *.rm/* .ram/* .rmm and others which are not compatible. Please take care when buying discs.

** This unit cannot play some SVCD discs with VCD format.

Because of disc quality and format difference, we cannot make sure smoothly read all discs; some functions cannot be fulfilled for the disc speciality, but not machine trouble.

Below the preset mode for VGA, YPbPr (pixel format, H-Frequency and V-Frequency)

ANALOGIC RGB FORMAT TABLE

Pixel Format	Resolution	Horiz. Freq. (KHz)	Vert. Freq. (Hz)	Standard
SXGA	1280X1024	63.5	60	VESA
XGA	1024X768	48.4	60	VESA
SVGA	800X600	37.9	60	VESA
VGA	640X480	31.5	60	VESA
DOS	640X480	31.5	60	VESA

YPbPr FORMAT TABLE

Format	Resolution	Horiz. Freq. (KHz)	Vert. Freq. (Hz)
576i	576	15.63	50.00
480i	480	15.73	59.94 60.00
576p	576	31.26	50.00
480p	480	31.47	60.00
1080i/50	1080	28.13	50.00
1080i/60	1080	33.75	60.00
720p/60	720	44.96	59.94 60.00
1080P/50	1080	56.26	50.00
1080P/50	1080	67.5	60.00

Disposal



UK: Waste electrical products should not be disposed of with household waste. Separate disposal facilities exist, for your nearest facilities see www.recycle-more.co.uk or in-store for details.

*ROI: Produced after 13th August 2005
Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.*

Warranty

Your TESCO appliance is covered by a warranty for 12 months from the date of purchase. If a fault develops during this period, please contact the TESCO electrical help line on 0845 456 6767. Please have your original purchase receipt with you when you call. This warranty in no way affects your consumer rights.

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