cello

22"Digital LCD TV

WITH DVD/DVB-T COMBO

Model : L2232AF

USER'S MANUAL

Please keep this operation manual for further reference

Contents

1. PREFACE

Thank you for buying this Television ! Please read this manual thoroughly before operating the Television. Make sure the Television was not damaged in transit. Should the Television is damaged, do not install it and contact your dealer. Check that you have all the accessories according to the model.

2. SAFETY PRECAUTIONS

Preparation

Put the Television on a stable surface.
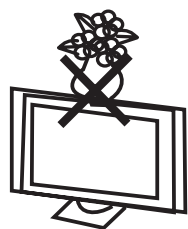
Do not place any material on the Television.
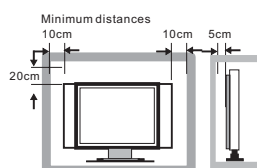
If you have a wall mount, check that it is secure.

Do not block or cover the ventilation openings on the Television.
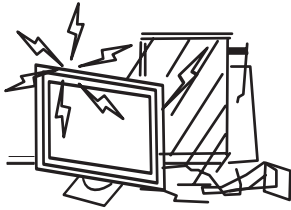
Heating sources and humidity

Keep the Television dry and away from humidity.

Keep the Television away from heat sources.
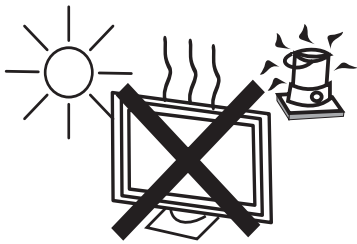
Keep the Television away from heat sources.

Cleaning and maintenance

Unplug the Television before cleaning it. Do not use solvents or petrol based fluids, to clean the Television with a soft dry cloth.

Departure in holidays

During a thunderstorm or while leaving the Television unused for long periods, disconnect the ariel (if outdoor) and mains plug.

3. Front/Back Connections of LCD

Front View

SOURCE MENU   P-   P+   V-   V+   POWER

cello

Back View and Control Connection

WARNING:
MIRROR SIDE TOWARDS USER

DISK SLOT

| VGA | HDMI | Y | Pb | Pr | AUDIO | SCART | S-VIDEO | RF IN |
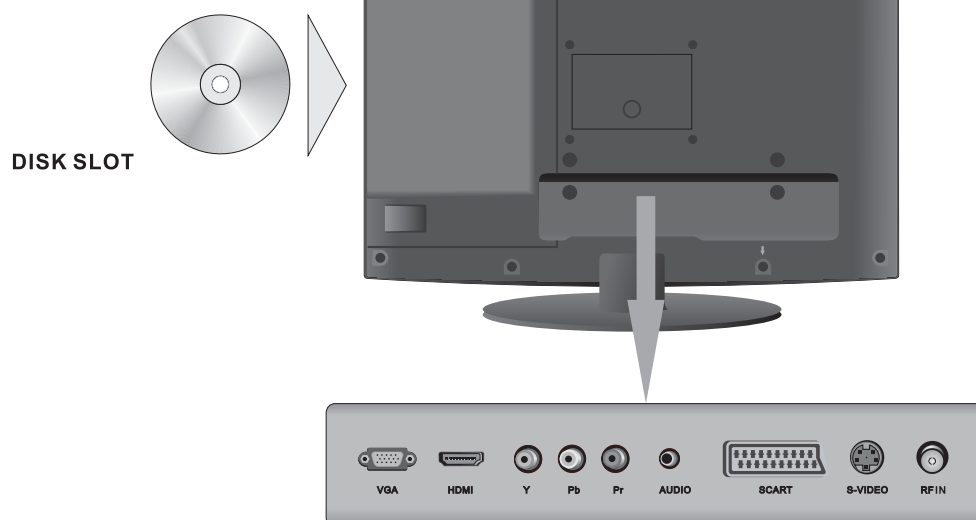
4.TELEVISION INSTALLATION DRAWINGS

4.1 Power Cord Connection

-Connect the power cord correctly as shown.

-Press the POWER switch of your Television to switch on the Television. The power
 indicator on the front panel lights up in red.
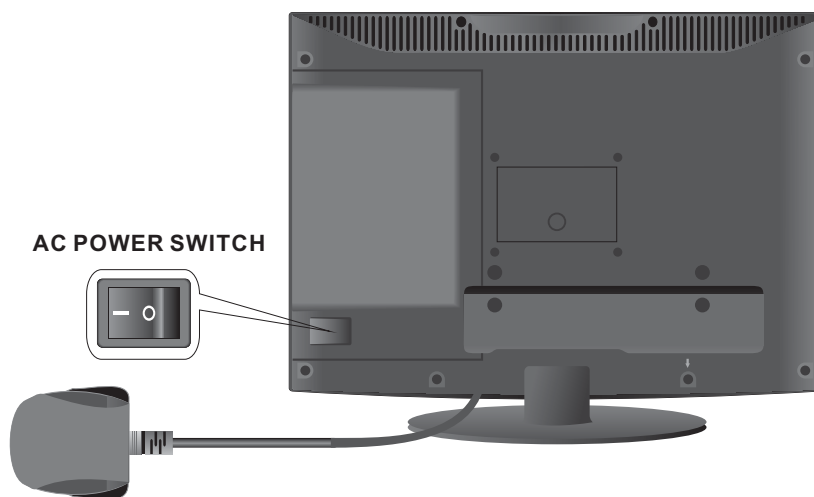
AC POWER SWITCH

4.2 S-Video Connection
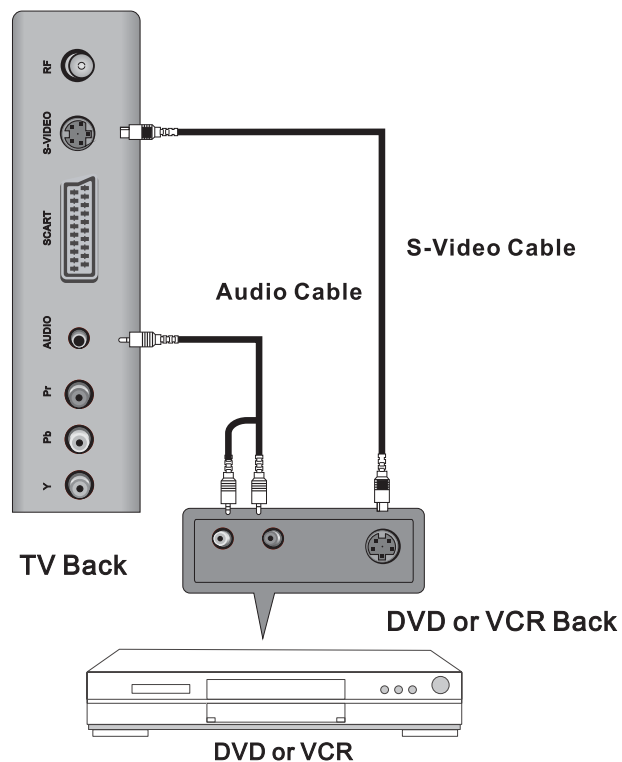
S-Video Cable

Audio Cable

TV Back

DVD or VCR Back

DVD or VCR

4.3 SCART Connection

Scart Cable

S-VIDEO

SCART

AUDIO

Pr

Pb

Y

TV Back

DVD or VCR Back

DVD or VCR

4.4 PC INPUT Connection

SCART

AUDIO

Pr

Pb

Y

HDMI

VGA

Stereo Audio Cable

RGB-PC OUTPUT

VGA Cable

TV Back

4.5 YPbPr Connection

TV Back

RCA Video Cable

RCA Audio Cable

Y   Pb   Pr   R   L

DVD Back

4.6 HDMI Connection

HDMI Cable

HDMI OUT

DVD or VCR Back

DVD or VCR

TV Back
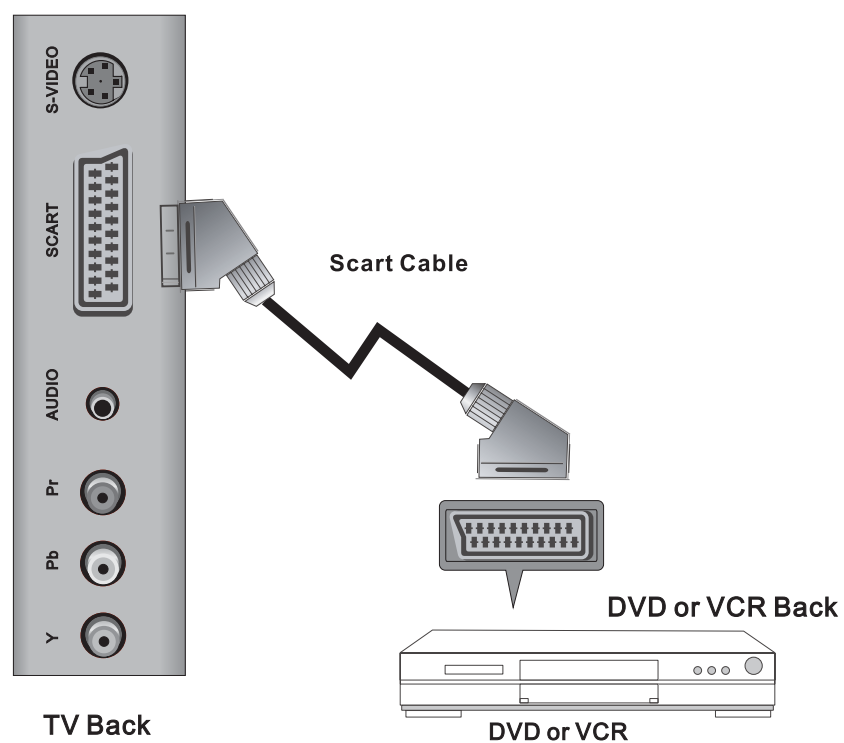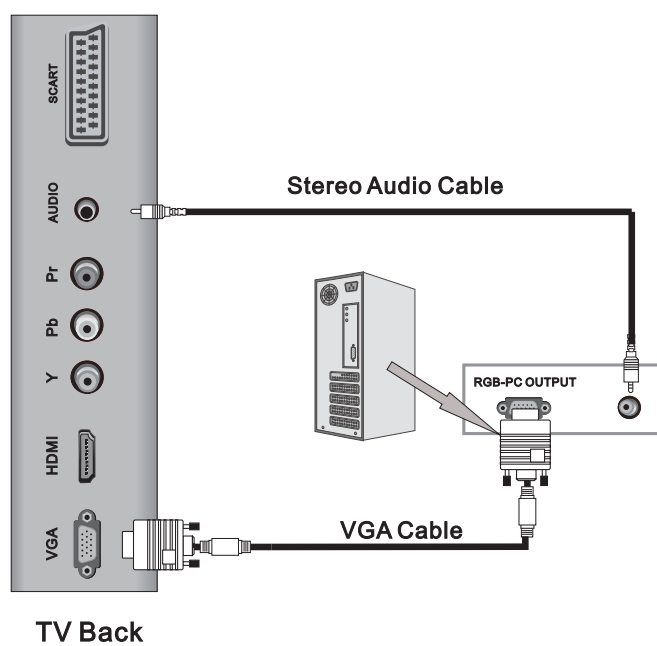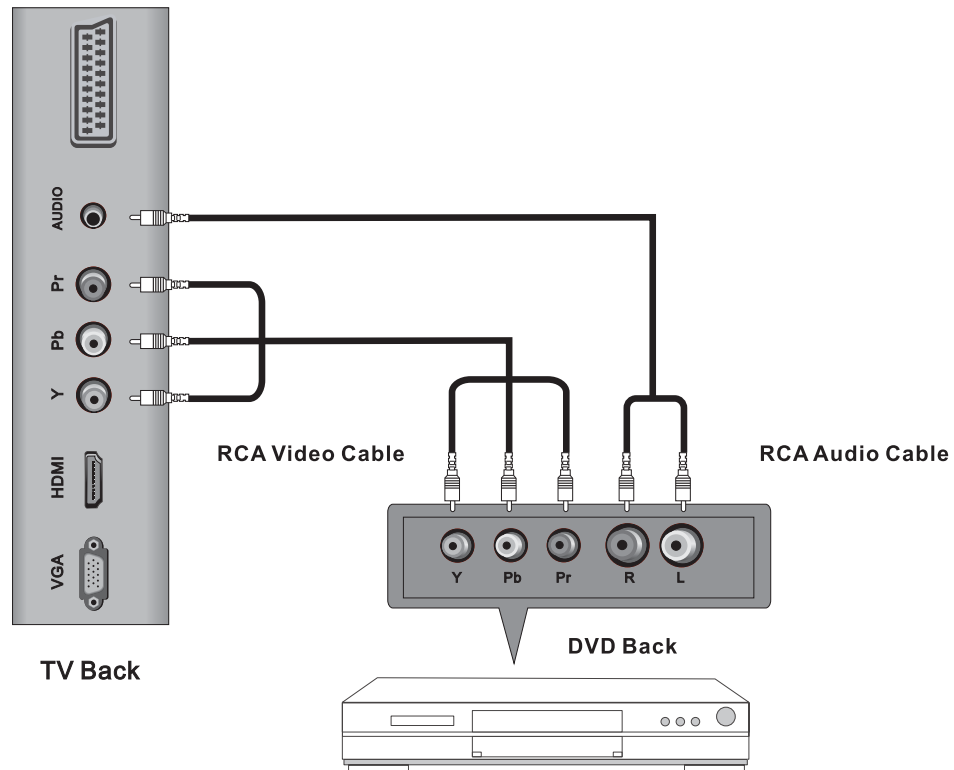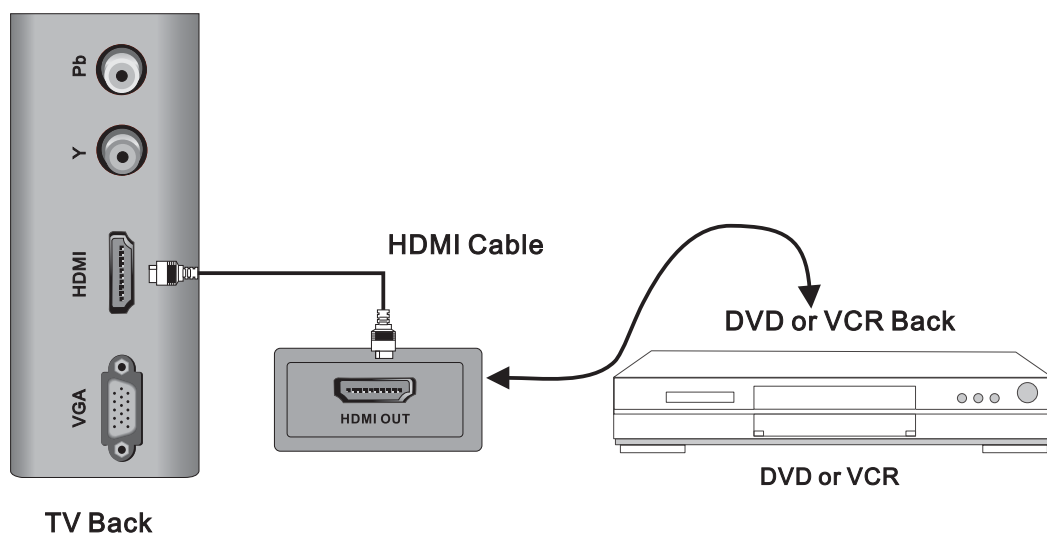
5. TV/DVB/DVD COMBO REMOTE CONTROL

Remote control instructions in TV mode.

POWER
Switch on Television when at standby mode or vice versa.

MUTE
Press to mute the sound. Press again or press V+ to un-mute.

SOURCE
Press to cycle through the input source in following:

TV➤DVB➤ SCART ➤ S-VIDEO ➤ DVD
HDMI ◀ PC ◀ YPbPr ◀

PMODE
Press repeatedly to cycle through the available video picture modes.

SMODE
Press to cycle through the different sound settings.

AUDIO(I/II)
Press to search the NICAM modes.

SLEEP
Lets you select amount of time before your Television turn itself off automatically.

NUMBER BUTTONS
Press 0-9 to select a Television channel directly when you are watching Television. The channel change after 2 seconds.

-/--
Press this button to enter a program number for multiple program channel such as 2-1,etc.

↻
Return to the previous channel viewed.

DISPLAY
Press to display the source and channel's information.

THUMBSTICK(▲/ ▼/ ◀ / ▶ / OK)
Allows you to navigate the on-screen menus and adjust the system settings to your preference.

TV MENU
Brings up the main TV menu to the screen.

EXIT
Exit the main TV menu to the screen.

V+/V-
Press to increase / decrease the sound level.

P+/P-
Press to scan through channels. To scan quickly channels, press and hold down either +/-button.

Remote control instructions in TELETEXT mode.

NUMBER BUTTONS
Press 0-9 to select a teletext page.

TEXT
Clears all on-screen displays and returns to Television viewing from any menu.

P+/P-
Page up and Page down.

COLOR BUTTONS
Select 4 Preferred TELETEXT page.

SUBTITLE
To display subtitle.

HOLD
Freeze the current page.

SIZE
Toggles the display between half top page, half bottom page and normal page.

REVEAL
Reveal or hide the hidden words.

CANCEL
TELETEXT CANCEL.

INDEX
Request index page when index link is valid.

MIX
TV and TXT pictures are mixed together in transparent background.

SUBPAGE
TELETEXT Subpage.

Remote control instructions in DVB mode

NUMBER BUTTONS
Press 0-9 to select a channel.

TEXT
Switch On or Off the DVB TELETEXT mode.

THUMBSTICK(▲ / ▼ / ◄ / ► / OK)
Allows you to navigate the on-screen menus and adjust the system settings to your preference.

P+/P-
When watching a channel, changes the channel.

COLOR BUTTONS
Color buttons (respectively red, green, yellow and blue) used in a few sub-menus.

D.MENU
DVB MENU Access to or exit the menu.

INFO
Shows information about the current channel.

LANGUAGE
Shows the list of audio languages available for the current channel.

FAV
Allows you to switch between default and favourite lists.

EPG
Launches the EPG (Electronic Program Guide).

TV/RADIO
When watching a channel, allows you to switch between TV and Radio modes.

Remote control instructions in DVD mode

AUDIO(I/II)
AUDIO selection buttons in DVD mode.

NUMBER BUTTONS
Numerical buttons for various data.

PROGRAM
Program a disc playing in a desired sequence.
GOTO
It is possible to get access to any point on the disc directly using the 'GOTO' menu.
Press GOTO to access the 'GOTO' menu.

SETUP
Used for selecting programs. It may also be used to execute commands.

A-B
This button enables you to repeat a selected section from the disc.

ANGLE
Selects various camera angles for certain scenes or passages on the DVD during playback.

REPEAT
Press REPEAT to cycle through the repeat play options.

SUBTITLE
Select a different subtitle language(the DVD disc must have the subtitle you selected.

⫼/▶
PLAY/PAUSE

ZOOM
In play state, press ZOOM, the player will zoom in the picture one time.

D.DIS
Press to display the DVD information of DVD mode.

THUMBSTICK(▲ / ▼ / ◀ / ▶ / OK)
Allows you to navigate the on-screen menus and adjust the system settings to your preference.

▲
To eject the disc.

■
DVD STOP

SLOW
Play slow forward or backwards.

◀◀ ▶▶�
Jump to previous and next track.

◀◀ ▶▶
Fast backward and forward key.

D.MENU
DVD disc menu Access to menu.

6. CONFIGURATION OF THE LCD

6.1 Enter sound menu

1. Press TV MENU key to open the main menu.

2. Press ◄/► to select: 🎵

3. Press ▼ enter setting sound menu, the outline border turns red.

4. Press ▲/▼ to select option in the sound menu.

5. After setting, press TV MENU to quit. Or wait for few seconds it will quit automatically.

Options:

1. Volume

Press ◄ to decrease volume.

Press ► to increase volume.

2. Balance

Press ◄ to emphasize left speaker.

Press ► to emphasize right speaker.

3. Bass

Press ◄ to decrease lower-pitched sounds.

Press ► to increase lower-pitched sounds.

4. Treble

Press ◄ to decrease higher-pitched sounds.

Press ► to increase higher-pitched sounds.

5. AVL

Press ◄/► to turn on/off Auto Volume Level.

6. Preset

Press ◄/► to select sound mode.

Remark:

Voice → Music → Theatre → Personal
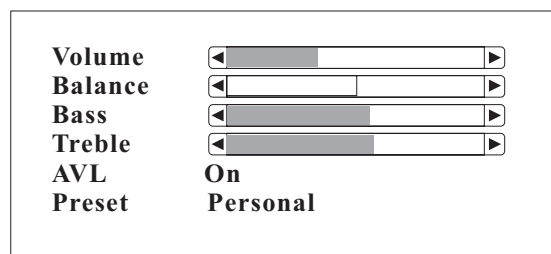
6.2 Enter picture menu

1. Press MENU key to open the main menu.

2. Press ◄/► to select: 🖼️

3. Press ▼ enter setting picture menu, the outline border turns green.

4. Then press ▲ / ▼ to select options in the picture menu.
5. After setting, press MENU to quit. Or wait for few seconds it will quit automatically.

Options:
1. Brightness
Press ◄ to darken the picture.
Press ► to brighten the picture.

2. Contrast
Press ◄ to decrease contrast.
Press ► to increase contrast.

Brightness	◄▬▬▬▬▬▬ ►
Contrast	◄▬▬▬▬▬▬▬ ►
Colour	◄▬▬▬▬▬▬▬ ►
Sharpness	◄▬▬▬▬▬▬▬ ►
Tint	◄ ►
Noise Reduction	On ▼
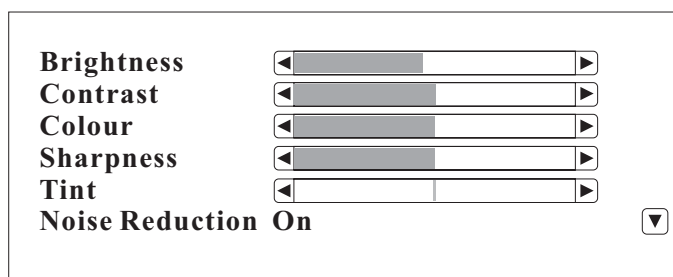
3. Colour
Press ◄ to decrease color intensity.
Press ► to increase color intensity.

4. Sharpness
Press ◄ to soften the picture.
Press ► to sharpen the picture.

Tint	◄ ► ▲
Noise Reduction	On
Dyn.skin tone	On
White tone	Normal
Preset	Personal
Zoom	16:9

5. Tint
Press ◄/► to adjust Tint.
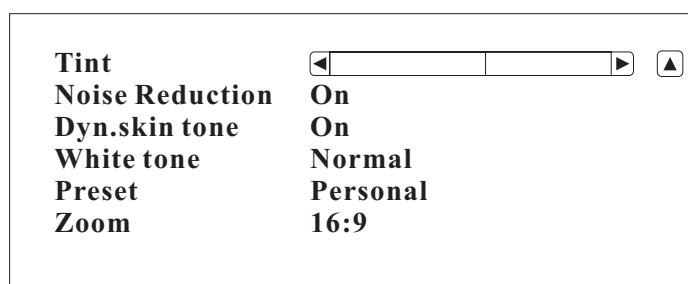
6. Noise reduction
Press ◄/► to turn on/off the noise reduction. It is also effective on the signal from the UHF/VHF jack.

7. Dyn. skin tone
Press ◄/► to turn on/off the enhancement on the picture contrast.

8. White tone
Press ◄/► to change white tone as follows:
Normal→Warm→Cold

9. Preset
Press ◄/► to change picture mode as follows:
Personal→Movie→Sport→Weak Signal→ Game

10. Zoom
Press ◄/► to change zoom mode as follows:
16:9→Expand→Auto→4:3

6.3 Enter Channel (swap, sort) menu

1. Press TV MENU key to open the main menu.
2. Press ◄/► to select: $_{B}^{A}$ C
3. Press ▼ enter channel (swap, sort) menu, the outline border turns yellow.
4. Then press ▲/▼ to select options in the channel (swap, sort) menu.
5. After setting, press TV MENU to quit. Or wait for few seconds it will quit automatically.
Press ▲/▼/◄/► button to highlight the item that you want to edit.
Press the green button to move a channel, and red button to delete a channel.

1 CH01	6 CH06	11
2 CH02	7 CH07	13
3 CH03	8 CH08	14
4 CH04	9 Ch09	15
5 Ch05	10	

↑↓←→   ▌Move   ▌Delete

6.4 Enter Setting menu

1. Press TV MENU key to open the main menu.
2. Press ◄/► to select: 🖾
3. Press ▼ to enter the setting menu.
4. Then press ▲/▼ to select option in the setting menu.
5. After setting, press TV MENU to quit. Or wait for few seconds it will quit automatically.

Option:

| Show indicator	On
Language	English
Country	Gr.Britain
Child lock	▶
Timers	▶
Teletext lang.	Pan European ▼

1. Show indicator
Press ◄/► to turn on/off the Channel No.

2. Language
Press ◄/► to select language.
Remark:
English→Francais → Deutsch→Espaňol→ Portugués →Italiano

3.Country
Press ► to enter Country.
Remark:
Gr.Britain→ Germany → Italy→Netherlands → Switzerland → Turkey
→ Austria → Belgium → France

4. Child lock.
Press ► to enter Child lock submenu.
Then press ▲/▼ to select option.

Lock	Off
Lock code	0000

- At first select Lock, press ◄/► to turn on the child lock.
- Second select Lock code, press No. key to set code.

As long as the lock is on (see Lock in channel setting menu), you cannot enter move channel menu and setting menu until the lock is off again.

5. Timers
Press ► to enter Timers submenu.
Then press ▲/ ▼ to select function.

Sleep timer	**Off**
Reminder timer	**Off**
Off timer	**--:--**
Switch timer	**--:--**
Switch program	**0**

-Sleep timer
Each time you press ◄/►, the period of time changes as follows:
Off → 5 → 10 → 15 → … → 115 → 110

The timer will be activated and the Television will stand-by automatically after the predetermined period of time.

-Reminder timer
Each time you press ◄/►, the period of time changes as follows:
Off → 5 → 10 → 15 → … → 115 → 110

The timer will be activated and a symbol will show on the screen automatically after the predetermined period of time.

-Off timer
Press No. key to set the off time.
The timer will be activated and the Television will turn off automatically after the predetermined period of time.

-Switch timer
Press No. key to set the time when you want to switch program.
Then select Switch program, press No. key to set the channel which you want to switch. The timer will be activated and the Television will switch to the program automatically after the predetermined period of time.

6. Teletext lang.
Each time you press ◄/►, the teletext language changes as follows:
Pan European → Cyrillic → Greek

7. Teletext E/W

Press ◄/► to select West or East.

8. RT clock

Press ► to enter RT submenu.

If you select Clock, Press ◄/► to set 24Hrs or AM/PM or Off.

If you select Time, Press No. key to set time.

9. Reset

Press ◄/► to reset parameter settings to the factory default.

```
Clock        24Hrs
Time         00:50
```

6.5 Enter channel Setting menu

Notice: This menu is only available in TV mode.

1. Press TV MENU key to open the main menu.
2. Press ◄/► to select: [Ch]
3. Press ◄ enter other setting menu, the outline border turns blue.
4. Then press ▲/ ▼ to select option in the channel setting menu.
5. After setting, press TV MENU to quit. Or wait for few seconds it will quit automatically.

```
Program nr.          1
Program name         BBC1
Colour system        Auto
Sound system         Auto
Autostore
Frequency            49.75  Mhz      ▼
```

1. Program nr.

Press ◄/► to select channel number.

2. Program name

Press no. key to name program.

3. Colour system

Press ◄/► to select colour system.

Remark:

Auto ⟶ PAL-443 ⟶ SECAM

4. Sound system

Press ◄/► to select sound system.

Remark:

Auto ⟶ BG ⟶ I ⟶ DK

5. Autostore

Press ◄/► to start auto search, all working channels will be saved automatically. After the search, it will display the first searched program.

6. Frequency

Press ◄/► to fine tune the frequency, or hold V-/+ button until manual search begin, a searched program will be saved automatically.

7. AFC

Press ◄/► to turn on/off automatic frequency control.

8. Skip

Press ◄/► to turn off/on skip function.

9. Lock

Press ◄/► to turn off/on menu lock.

Sound system	Auto	▲
Autostore		
Frequency	049.75 Mhz	
AFC	On	
Skip	Off	
Lock	Off	

7. REMOTE CONTROLS SETUP

1. Open the cover;
2. AAA size batteries. When inserting the batteries, make sure correct polaritiesas per
   "+" and "-" marks on the battery and within the battery compartment;
3. Replace the battery cover.

To prevent battery leakage which may result in bodily harm or damage to the remote:

1. Install all batteries correctly, and as marked on the remote control;
2. Do not mix batteries:(OLD and NEW or CARBON and ALKALINE, etc);
3. Remove batteries when the remote is not used for a long time.
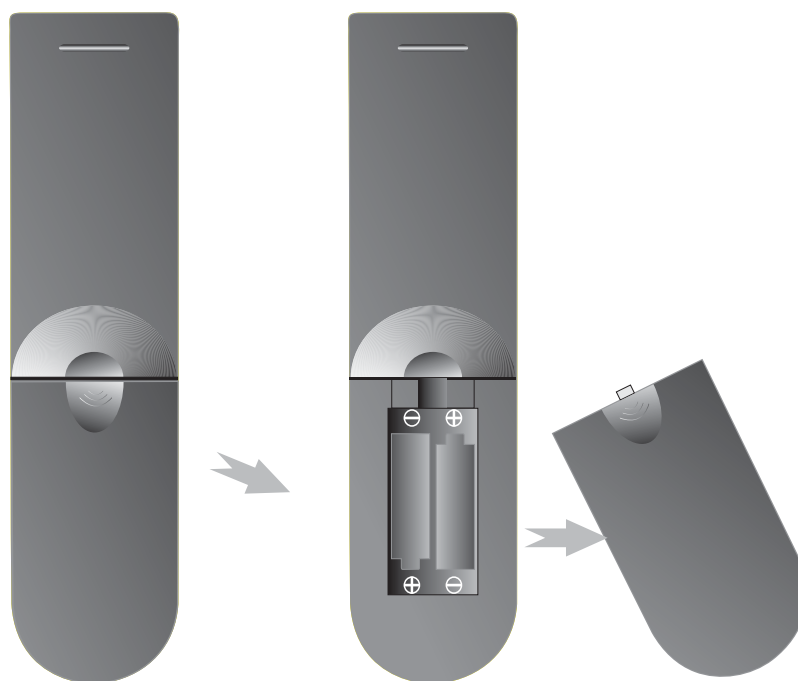
8. ACCESSORIES

1. One Remote Control;
2. Two Batteries 1.5V;
3. One User Manual;
4. Quick Start Guide.

9. DVB-T User manual

9.1. User Guide

"First Time Installing"

When the system is first switched on, the DVB-T Turn-Key Solution attempts to configure itself for the first time. This is called "First Time Installation". The user is first presented with a dialog enabling the aspect ratio of the screen to be selected. Once selected the user is then asked if they wish to perform an automatic search for services. Press OK button. The system will start to search all available channels for tv and radio, this operation will take about 2 minutes. Once finished all channels will be automatically stored in your unit.

TV Type (4:3/16:9)

Support for television sets with aspect ratio of 4:3 and 16:9 is provided. The user may set aspect ratio using an option on the Menu: In DVB mode press D.Menu/Settings /Configuration/TV Type to change aspect ratio.

Channel Selection

There are two ways a user can select a different Channel: by using the P+/P- key. Or the number buttons on the remote control.

9.2. Channel List

A user can select Channel List Mode by pressing D.Menu/channel list Select channel using up and down arrow buttons in the center of remote control.

Channel list configuration
The Channel List dialog in the "D.Menu" allows a user to edit the services displayed.

The Channel List dialog displays all services known to the application and provides the following features:

Deleting of services

Editing the name of services

Lock services for parental control

Selecting the channel list

selected by the user

The Channel List dialog cannot be accessed if there are no services available.

9.3. Favourite

A favourites list enables the user to select a subset of services they consider favourite. The DVB-T allows the user to have up to five different favourites lists. Favourites lists are defined in the favourites dialog, which can be accessed by selecting the favourites button on the Channel List dialog and via the Main Menu.

The favourites dialog contains a scrolling list of all services and a set of buttons to enable the user to toggle a service's inclusion in a favourites list. Icons indicate the services that are members of a favourites list. The currently selected service is displayed in the background of the favourites dialog.

The favourites mode can be enabled from the Configuration dialog in the "D.Menu". The user cannot select a favourites list that contains no services. When a user selects a favourites list, all EPG's will show only those services in that favourite list.

When the favourites mode is enabled, the program up and down buttons on the remote control will only select those services selected as favourites.

List 1, only those services in Favourites List 1 that are of type TV will be used .
The Favourites dialog cannot be accessed if there are no services available.

9.4. Now/Next EPG

An EPG dialog is provided that allows the user to view the current and next program playing on each channel.
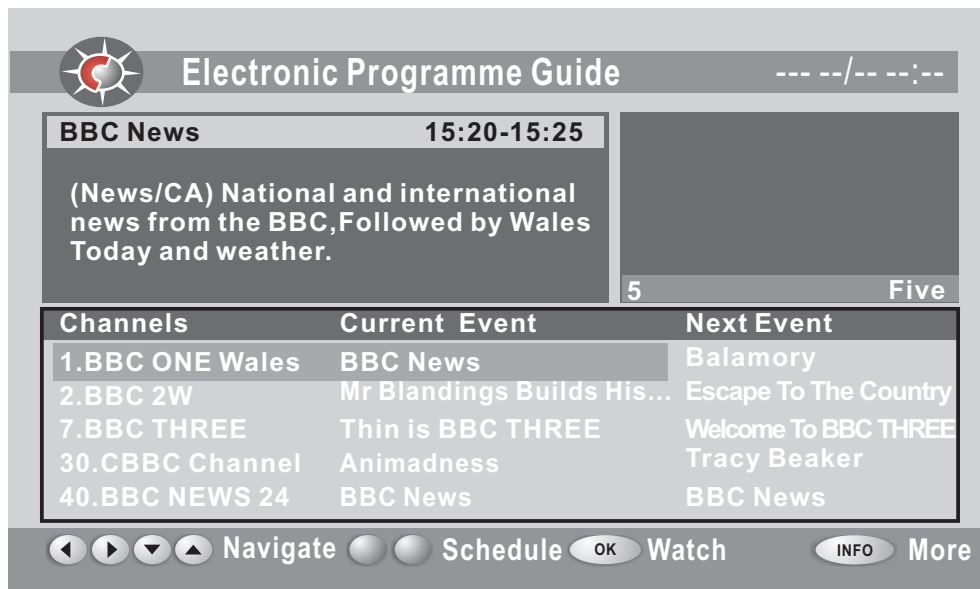
In this dialog the service currently selected is minimized to approximately ¼ of the screen and displayed in the top right. A list of channels and the corresponding current and next programs is displayed. The user can navigate up and down the list of channels and highlight either the now or next program.

Information for the highlighted program is displayed in the box to the left of the video. This information includes the start/end time of the program, the program genre in brackets, and a synopsis of the program content.

A user may select a service by highlighting a program in the "now" list and pressing the "OK" key.

Reminder timers can be set for the next program on each service, a user highlights the "next" program that they wish be reminded of and presses select. A clock icon is displayed next to those "next" programs that have reminders set.

The Now/Next Electronic Program Guide cannot be accessed if there are no channel available. Extended Schedule EPG (8 Day Electronic Program Guide) with Timeline.

Extended Schedule EPG information is presented using a timeline format either, on a banner for the current service, or as a full screen dialog showing multiple channel.

The timeline format uses buttons to represent a program, each button is scaled to the length of a program and displayed in relation to a timescale that is usually shown as a title.

Programs that end at the same time as the end of a displayed timeline's range are indicated by Displaying the end of that program a few pixels before the right edge of the timeline. Whereas programs That end some time after the range displayed by the timeline, are indicated by displaying the end of the program at the very right hand edge of a timeline.

Electronic Programme Guide	Wed 19/11 15:21

Balamory   15:25-15:45

(Kids)CBeebies.Visit To The Doctors:Josie buys a gift for her neighbour's son Peter before he goes to the doctor.But on the way Josie develops a sore foot.Who will need the doctor most,Peter or Josie?

Wed 19/11 15:00	15:45	16:30
1.BBC ONE Wales	Bergerac … Balamory Ar… Arthur Get Your…	
2.BBC 2W	Mr Blandings… Escape To The Country	
7.BBC THREE	Thin is BBC THREE	
30.CBBC Channel	Animadness Tracy Beaker Raven …	
40.BBC NEWS 24	BBC News BBC News	

◀ ▶ ▼ ▲ **Navigate** ⬤⬤ **Zoom**   ⬤⬤ **Advance Day** INFO **More**

A full screen dialog with schedule timeline presents the user with two lists and an information panel. The rightmost list displays all available services. The leftmost list displays schedule information for each service shown in the rightmost list. The schedule information is shown as timeline, each program is represented as a button that is scaled to indicate the program length related to the time shown on the title bar. The user may navigate around the rightmost list to highlight an individual program.

Program information for the highlighted program on the schedule is displayed in the information panel. The user may change the start time of the schedule information displayed for a channel by either 30 minutes or an entire day. In addition, the user may also change the total time shown by a schedule in 30 minute steps between 30 minutes and 3 hours, the default total time is 90 minutes. The feature to change the total time shown on a schedule is called zoom.

In the case when there is no schedule information available for a service, a blank timeline will be shown, and the label "No Information Available" will be displayed when the service is selected. Please note that in this dialog a service must be deselected to enable Eclipse [1] to scan each channel for schedule data.

The Extended Schedule Electronic Program Guide cannot be accessed if there are no services available.

Timers or reminders cannot currently be set within this EPG.

Program Reminders

A program reminder provides functionality to remind the user a program has begun. When a program reminder begins, a dialog is displayed offering the user the option to automatically select the service that the reminder was set.

Within the Now and Next Electronic Program Guide a user may set a program reminder for any "Next" program displayed.

Up to five program reminders may be set at any one time. Unlike timers, program reminders do not persist when the DVB-T is reset.

9.5. Timers

The user may set a timer to select a service for a period of time. A dialog to set timers is provided as an option on the "Main Menu". The timer dialog will not allow conflicting timers to be set. Timers may be set to be triggered once, daily, or weekly.

When setting a timer a password can be supplied to be used by the DVB-T when a service is selected, so that the timer can override any parental rating control when it triggers.

Programme Timers			Wed 19/11 15:20	
			1 BBC ONE Wales	
No Channel Name	Start End	Date	Mode	
1.BBC ONE Wales	00:00 00:00	01/01/2000	**Inactive**	
2.BBC ONE Wales	00:00 00:00	01/01/2000	Inactive	
3.BBC ONE Wales	00:00 00:00	01/01/2000	Inactive	
4.BBC ONE Wales	00:00 00:00	01/01/2000	Inactive	
5.BBC ONE Wales	00:00 00:00	01/01/2000	Inactive	
◄ ► Mode	D.MENU Exit	OK Edit Timer	INFO More	
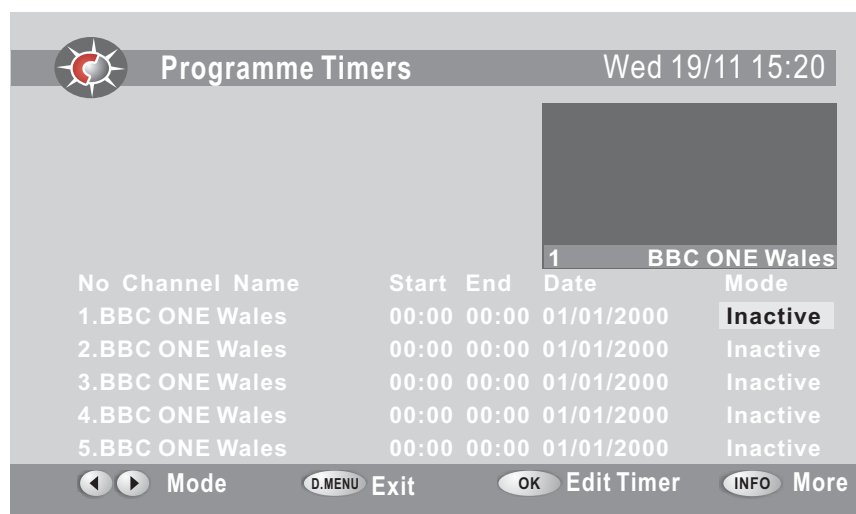
When a timer is triggered, whilst in "normal viewing" operation, a dialog is displayed offering the user the option to cancel the timer or automatically select the service for which the timer has been set. Once a timer has completed the service will remain selected.

When a timer is triggered whilst in standby mode the service for which the tuner was set is selected. At the end of a timer event the application will return to standby mode.

If the user attempts to change the service, enter the "Main Menu", or view an Electronic Program Guide whilst a timer is running, a dialog will be displayed asking the user if they wish to cancel the timer.

Up to five program timers may be set at any one time.

9.6. Settings

There are three items in this menu: Configuration, Language and Installation.

Configuration

In this item user may set TV type, Receiver Upgrade and Parent Control options.

Receiver Upgrade

The Philips DVB-T Solution will search for an OAD software update at 0300 GMT each day whilst in standby mode. A dialog will be displayed if an OAD has been detected informing the user that an OAD is taking place.

The user may search for an OAD software update using an option on the menu: Settings/Configuration/ Receiver Upgrade.

Parental Control

Parental control allows individual services, the "Main Menu", and the Installation menu to be protected by a password.

Parental control is setup using the configuration dialog in the "Main Menu".
Individual services can be selected to be password protected using the channel list dialog. When a service has been password protecting it is not possible to select that channel anywhere within the DVB-T without entering the parental control password.
The default password for parental control is "0000".

Language

A languages dialog is provided as an option in which the user may set System, Audio and Subtitle Language, here the user can set the preferred and the current language of both the audio and subtitles. By setting the current language the user can choose from the languages available for a particular selected service. Here, only the languages available for the current service will be offered as an option. The preferred audio and subtitle language can be set to "English", "Welsh","Gaelic". "English" is the default-preferred language in the UK version.

Installation Automatic Search

Automatic search is the ability to scan each channel for channel. Press D.Menu/settings/installation /automatic search The channel scanned during Automatic search can support up to 100 channels at any one time.

Manual Search

Manual search allows the user to scan an individual channel for channel. The user can perform a manual search by press "D.Menu"/settings/installation/manual search.
service will be selected. The user enters the channel number to be scanned; only those channels supported by the tuner may be entered. The Manual Search dialog displays a bar indicating the strength of the signal of the currently selected channel.

10. DVD Operation

Basic operation

1. Turn ON and OFF the DVD function
- Turn on the Television and then press **TV/AV** repeatedly to select **DVD** mode.

2. Swquential playback

- For Super VCD & DVD discs, if PBC is "ON" status, press ▶ll button will enter the disc menu.
Press ▶ll button to start in sequent. For others, while it stopped, press ▶ll button to start in sequent.

3. Program playback

- Using Program playback, you can select max. 16 tracks from the disc to playback in programmed order.
- OSD for program playback as below.

MP3/JPEG Playback

After loading the MP3 / JPEG CD&DVD, it wil start to scan for the stored MP3 /JPEG folders. Then will firstly display the MP3 contents automatically and start to play the first file (highlighted file). Screen as follow:

[MP3] _ _. MP3		[PICTURE] _ _. JPG
01.MP3	Highlight file for current playback.	.PICTURE

Display current MP3 playback function

Display current MP3 playback function

Buttons for switching between MP3 and JPEG playback function.

Scroll bar to view next page.
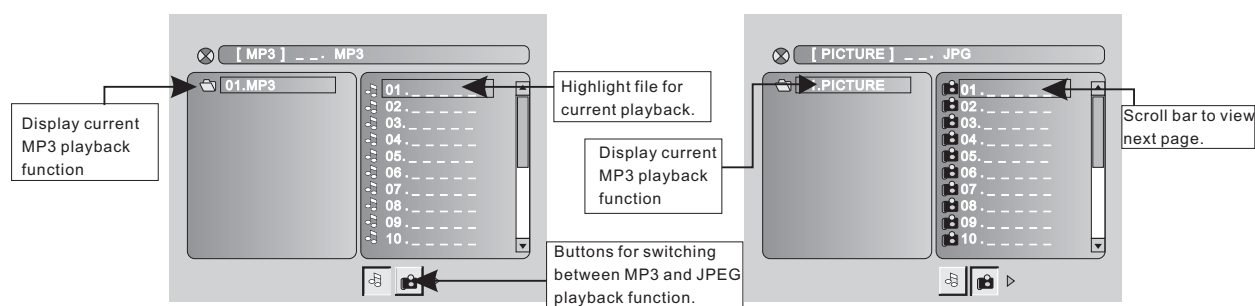
- Using the navigation buttons to check you favorite folder and playback the first file or move to the your favorite file.

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, press -/-- button first. (e.g. File number 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 17 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 upper right corner Merge from left / right Horizontal blades Vertical blades Merge form 4 corners Random Playback Slide effect OFF).
- When play or pause with picture playback, you may use navigation butoons 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, you may use D.MENU button to enter preview mode to dislay 12 pictures.
  Press ◄◄ / ►► button to select next / previous page or press numeric buttons to view the corresponding pictures.
- The maximum JPEG image size that can be displayed is 1280 x 1024.

Function Settings

DVD Function General setup

```
TV  SYSTEM
SCREEN SAVER
TV  TYPE
PASSWORD
RATING
DEFAULT

EXIT  SETUP
```
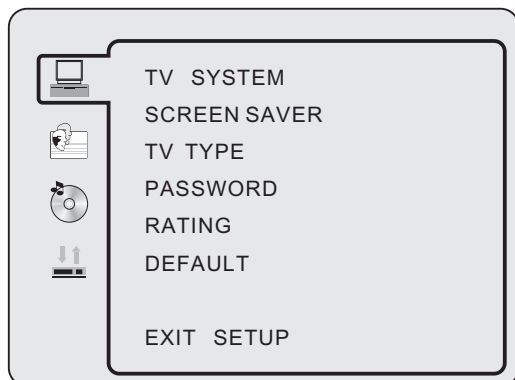
- Press **DVD SETUP** button to activate the **DVD** player OSD menu;

- Press ◄ / ► button to move and highlight between different sub-menu. Press ▲ / ▼ ENTER button to enter the highlighted sub-menu.

- Press **DVD SETUP** button to exit the OSD menu, or move the highlight to **EXIT DVD SETUP** then press **ENTER** button to exit.

System Setup

TV SYSTEM

- Press ► button to enter the **TV SYSTEM,** and then press ▲ / ▼ to select one from below:

```
TV  SYSTEM      NTSC
SCREEN SAVER    PAL
TV  TYPE        AUTO
PASSWORD
RATING
DEFAULT

EXIT  SETUP
```
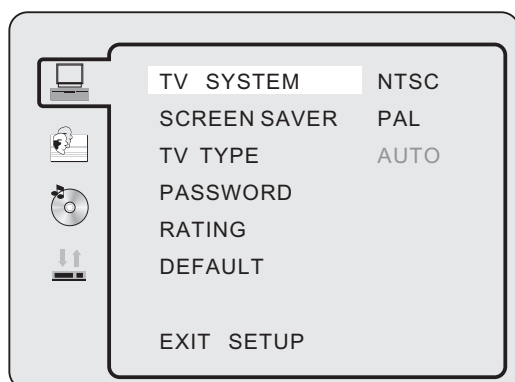
NTSC
This format is used by some other countries, e.g. USA

PAL
This is the format used in the UK and the default setting.

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

SCREEN SAVER

```
┌─────────────────────────────────┐
│  🖵  ┌──────────────────────────┐│
│      │  TV  SYSTEM              ││
│  📝  │  SCREEN SAVER     ON     ││
│      │  TV  TYPE         OFF    ││
│  💿  │  PASSWORD               ││
│      │  RATING                 ││
│  ↓↑  │  DEFAULT                ││
│      │                         ││
│      │  EXIT  SETUP            ││
│      └──────────────────────────┘│
└─────────────────────────────────┘
```
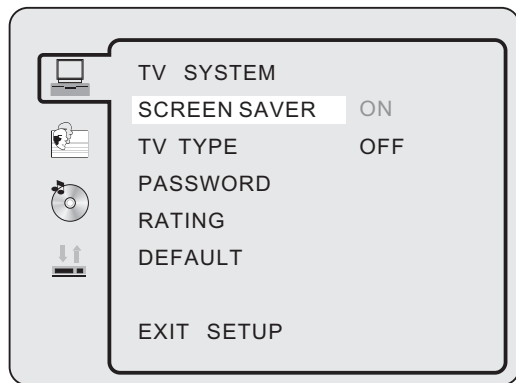
If the screen saver is on, when your DVD player is in Stop, Open, or No Disc state, or there is a frame frozen for more than 60sec, the screen saver will be displayed. This feature can protect the screen from damage.
ON: Choose this setting to activate the screen saver.
OFF: Choose this setting to cancel the screen saver

TV TYPE

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

```
┌─────────────────────────────────┐
│  🖵  ┌──────────────────────────┐│
│      │  TV  SYSTEM              ││
│  📝  │  SCREEN SAVER           ││
│      │  TV  TYPE        4:3PS ⊠ ││
│  💿  │  PASSWORD        4:3LB ⊠ ││
│      │  RATING          16:9 ⊠  ││
│  ↓↑  │  DEFAULT                ││
│      │                         ││
│      │  EXIT  SETUP            ││
│      └──────────────────────────┘│
└─────────────────────────────────┘
```
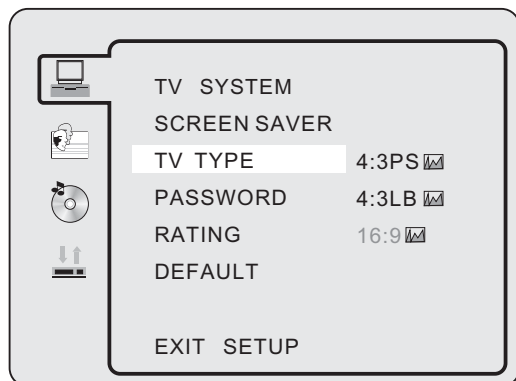
- 4:3 PS (Normal)
- 4:3 LB (Normal)
- 16:9 (Wide)

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

NOTE:
- Playback screen size may vary according to the discs contents.
- For media 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 "0000" by numeric buttons, then press **ENTER** 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.

```
┌─────────────────────────────────┐
│  ┌──┐                           │
│  │💻│  ┌──────────────────────┐  │
│  └──┘  │  TV  SYSTEM          │  │
│  ┌──┐  │  SCREEN SAVER        │  │
│  │📇│  │  TV  TYPE            │  │
│  └──┘  │  PASSWORD    ---- 🔒 │  │
│  ┌──┐  │  RATING              │  │
│  │💿│  │  DEFAULT             │  │
│  └──┘  │                      │  │
│  ┌──┐  │                      │  │
│  │⇵ │  │  EXIT  SETUP         │  │
│  └──┘  └──────────────────────┘  │
└─────────────────────────────────┘
```
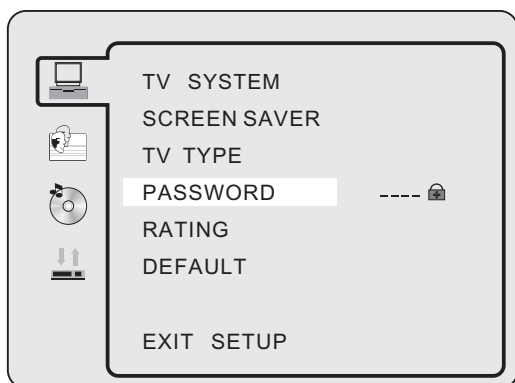
RATING

- 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.

```
┌─────────────────────────────────┐
│  ┌──┐                           │
│  │💻│  ┌──────────────────────┐  │
│  └──┘  │  TV  SYSTEM    1 KID SAFE│
│        │  SCREEN SAVER  2 G    │  │
│  ┌──┐  │  TV  TYPE      3 PG   │  │
│  │📇│  │  PASSWORD      4 PG13 │  │
│  └──┘  │  RATING      ▶ 5 PG-R │  │
│  ┌──┐  │  DEFAULT       6 R    │  │
│  │💿│  │                7 NC-17│  │
│  └──┘  │  EXIT  SETUP   8 ADULT│  │
│  ┌──┐  └──────────────────────┘  │
│  │⇵ │                           │
│  └──┘                           │
└─────────────────────────────────┘
```
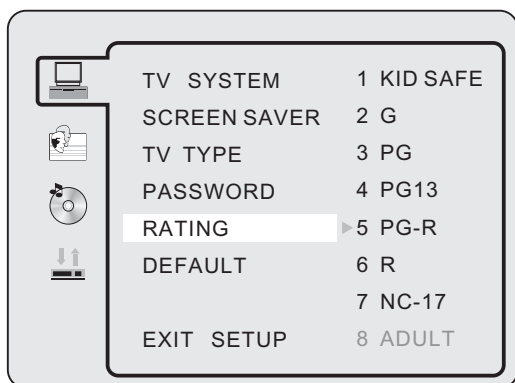
DEFAULT SETTING

- Press **ENTER** button to restore factory default.

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.

```
┌─────────────────────────────────┐
│  ┌──┐                           │
│  │💻│  ┌──────────────────────┐  │
│  └──┘  │  TV  SYSTEM          │  │
│        │  SCREEN SAVER        │  │
│  ┌──┐  │  TV  TYPE            │  │
│  │📇│  │  PASSWORD            │  │
│  └──┘  │  RATING              │  │
│  ┌──┐  │  DEFAULT   ▶ RESTORE │  │
│  │💿│  │                      │  │
│  └──┘  │                      │  │
│  ┌──┐  │  EXIT  SETUP         │  │
│  │⇵ │  └──────────────────────┘  │
│  └──┘                           │
└─────────────────────────────────┘
```
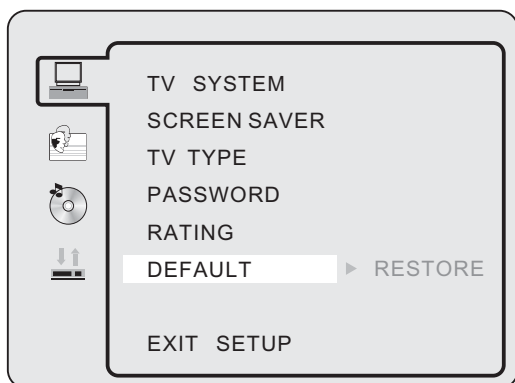
Language Setup

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

```
OSD  LANGUAGE    ▶ ENGLISH
AUDIO   LANG       GERMAN
SUBTITLE  LANG     SPANISH
MENU  LANG         FRENCH
                   PORTUGUESE
EXIT  SETUP        ITALIAN
```
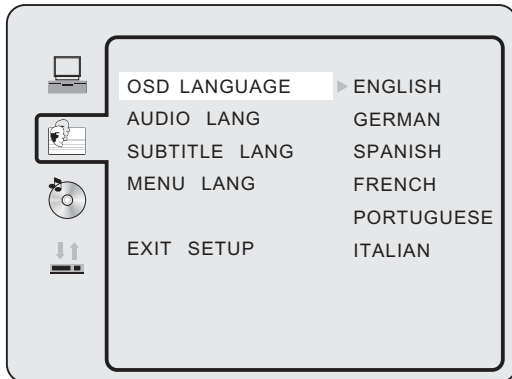
- OSD Language
  Use navigation buttons to select the OSD LANGUAGE setup icon, press ENTER button to confirm. There are 7 languages for your selection, press ▲ & ▼ buttons to toggle between different languages (ENGLISH/GERMAN/SPANISH/ FRENCH/ PORTUGUESE/ ITALIAN). Press ENTER button to confirm.

AUDIO LANGUAGE

Use navigation buttons to select the **AUDIO LANG** setup icon, press **ENTER** button to confirm. There are 8 languages for you selection, press ▲ & ▼ buttons to toggle between different languages. (ENGLISH/GERMAN/SPANISH/ FRENCH/ PORTUGUESE/ ITALIAN). Press **ENTER** button to confirm.

```
OSD  LANGUAGE     ENGLISH
AUDIO   LANG     ▶GERMAN
SUBTITLE  LANG    SPANISH
MENU  LANG        FRENCH
                  PORTUGUESE
EXIT  SETUP       ITALIAN
```
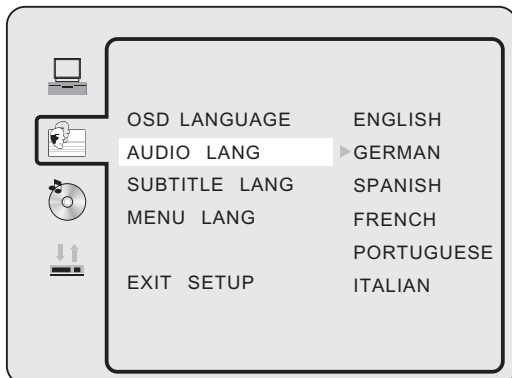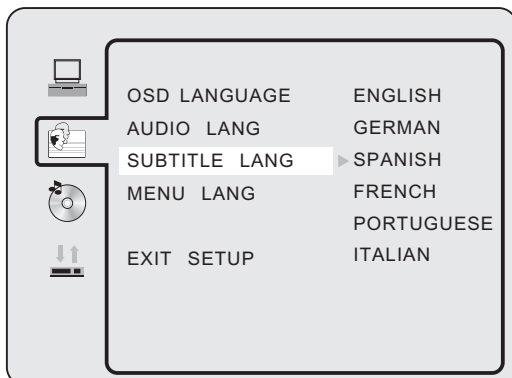
SUBTITLE LANGUAGE

Use navigation buttons to select the **SUBTITLE LANG** setup icon, press **ENTER** button to confirm. There are 7 languages for you selection, press ▲ & ▼ buttons to toggle between different languages. (ENGLISH/GERMAN/SPANISH/ FRENCH/ PORTUGUESE/ ITALIAN) Press **ENTER** button to confirm.

```
OSD  LANGUAGE     ENGLISH
AUDIO  LANG       GERMAN
SUBTITLE  LANG   ▶SPANISH
MENU  LANG        FRENCH
                  PORTUGUESE
EXIT  SETUP       ITALIAN
```

MENU LANGUAGE

```
OSD  LANGUAGE        ENGLISH
AUDIO   LANG         GERMAN
SUBTITLE   LANG      SPANISH
MENU   LANG        ▶ FRENCH
                     PORTUGUESE
EXIT   SETUP         ITALIAN
```

- Use navigation buttons to select the MENU LANG setup icon, press ENTER button to confirm. There are 7 languages for you selection, press ▲ & ▼ buttons to toggle between different languages. (ENGLISH/GERMAN/SPANISH/ FRENCH/ PORTUGUESE/ ITALIAN) Press **ENTER** button to confirm.
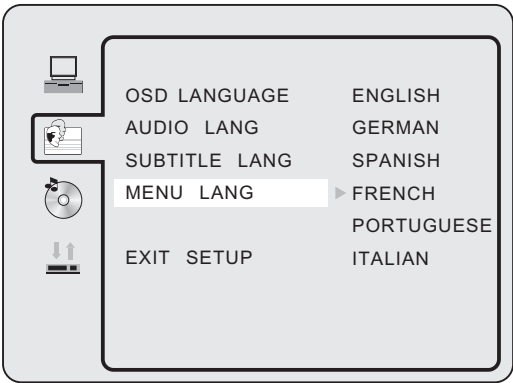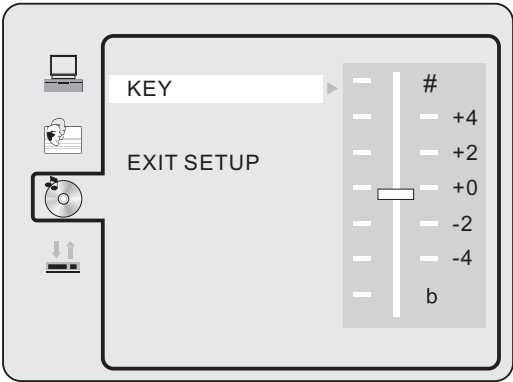
Audio Setup

AUDIO setup

The audio setup options are illustrated below:

```
KEY              ▶        #
                         +4
EXIT SETUP               +2
                         +0
                         -2
                         -4
                          b
```
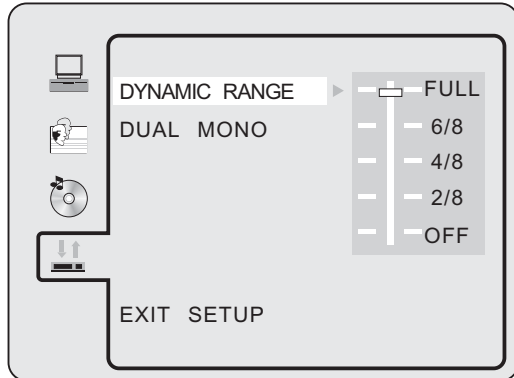
KEY

- Use the Up and Down arrow button to move the scroll and adjust the KEY.

Dolby Digital Setup

DYNAMIC RANGE

```
DYNAMIC  RANGE    ▶        FULL
DUAL  MONO                 6/8
                          4/8
                          2/8
                          OFF


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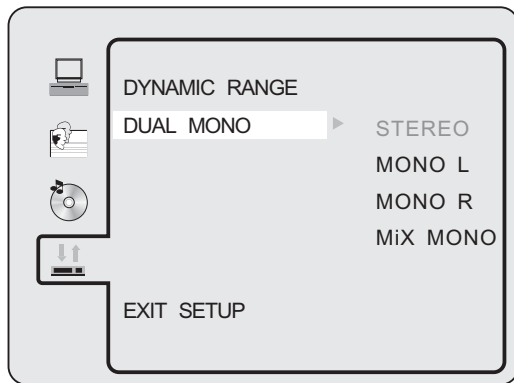
- When switch the compress mode to "Audio output", adjust the compress ratio for different effect. When selected FULL, the peak signal value is smallest. When selected OFF, the peak signal value is biggest.

DUAL MONO

```
DYNAMIC  RANGE
DUAL  MONO       ▶     STEREO
                       MONO  L
                       MONO  R
                       MiX  MONO

EXIT  SETUP
```

- 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

11. TROUBLESHOOTING AND ADVICE

Please check the Trouble Shooting Guide if you can solve the troubleshooting by yourself.

Troubleshooting	Control
No signal	Please check that all cables and cord's are correctly plugged in.
No color shades	Adjust the contrast, the color and the brightness
Snow on the screen	The cables of the antenna are not correctly plugged in.
The remote control does not work	Please check the batteries order and alignment.Check that the IR of the remote control is not hidden by something.
No sound	Make sure that you have not press the MUTE button of the panel or of the remote control.
No DVD	Make sure if the TV Set have been switched to DVD mode
DVD player not working properly	Ensure disc is correctly inserted into the player. Ensure the disc does not damaged and with correct format. Please wait patiently as some discs need longer time to play.

12. SPECIFICATIONS

Screen Size		22Inch
Display Type		TFT LCD
Resolution(Pixel)		1680 X 1050
Brightness		300cd/㎡
Color		16.7 M
Contrast Ratio		1000：1
Aspect Ratio		16:10
Power Source		AC100-240V, 50/60Hz
TV System		PAL/SECAM
Video Input Format		PAL/NTSC
Antenna Input		Standard antenna socket 75Ω
Audio Output		L / R 3W X2
Input	**Video**	Video 1.0vp-p75Ω；RCA
	S-Video	Y:1.0Vp-p±3db C:0.3Vp-p±3db
	SCART Video	Video 1.0 Vp p 75 Ω
	SCART RGB	R G B 1.0Vp-p75Ω
	PC	640X480/60HZ 800X600/60HZ 1024X768/60HZ
	Audio(Video/S-Video/PC)	R/L 200mVrms (max3.0vp-p) 20KΩ RCA
	Audio (SCART)	R/L 200mVrms (max3.0vp-p) 20KΩ
Output	**SCART Video**	Video 1.0 Vp p 75 Ω
	SCART Audio L/R	R/L 200mVmrs (max3.0vp-p) 20KΩ
Disc Physical Format		DVD/CD/VCD/MP3/JPEG/CDR/CDRW/DIVX
DVD Video Output Format		PAL/NTSC
Video Decompression		MPEG-2(ISO/IEC-13818),MPEG-1,JPEG
Weight		5.0kg
Dimensions (with stand)		525(L)X190(W)X430(H)mm

This manual is only for your reference, any change to the design and specification will not be advised.