Polaroid

22" HD-READY DVD COMBO DIGITAL LCD

Your TV may look different from the one pictured above.

Questions?
Need some help?

This manual should help you understand your new product.

If you still have questions, call our help line found on the insert with this icon:

Or visit
www.polaroid.com/support.

TABLE OF CONTENTS

Polaroid. Add a little colour to your life.

Since 1937, people have turned to Polaroid for their photography needs. Today, families look to Polaroid for consumer electronics that define the digital age: plasma and LCD TVs, portable and standard DVD players, digital cameras, personal media players, and so much more. And while our selection has changed, you will still receive the same friendly, helpful service that made Polaroid an icon.

Congratulations on your new Polaroid TV purchase. To ensure your new TV provides you with years of enjoyment, please read this guide carefully.

"Polaroid" and "Polaroid and Pixel" are trademarks of Polaroid Corporation. Changes are periodically made to this document. Changes, technical inaccuracies, and typographic errors will be corrected in subsequent editions. For service, support and warranty information, visit www.polaroid.com.

This product contains electrical or electronic materials. The presence of these materials may, if not disposed of properly, have potential adverse effects on the environment and human health. Presence of this label on the product means it should not be disposed of as unsorted waste and must be collected separately. As a consumer, you are responsible for ensuring that this product is disposed of properly. To find out how to properly dispose of this product, please go to www.polaroid.com and click on "Company" or call the customer service number for your country listed in the instruction manual.

1 Important Information

LCD panels are produced with state-of-the-art technology. However, there may be black or lit spots on the screen under certain circumstances. That does not mean that the product is faulty.

1.1 Cleaning the screen and cabinet...

After powering off, wipe the screen and the cabinet clean with a soft and dry cloth. We recommend that you do not use patented polishes or solvents to clean the screen or cabinet since they may cause damage.

1.2 Disposing of your TV at the end of service life...

The cold cathode fluorescent lamp found in your LCD screen contains a very small amount of mercury. Once your TV set has completed its physical life, please dispose of it in accordance with local government regulations or leave it at a recycling centre.

1.3-Superior features of your integrated digital television

This television can receive and process all analog and digital broadcastings. This television set has an integrated digital and analog receiver. The digital receiver unit processes the signals coming from digital transmitters and can convert them into superior sound and image qualities. TV Guide (valid for digital broadcastings only) informs you about changes in the program list briefly and provides program lists of all digital broadcastings for a number of forthcoming days. You can display detailed information about each program by pressing a single button if this feature is supported by the broadcasting enterprise. This television has a comprehensive and user friendly menu configuration.

1.4-Receiving digital broadcasting channels

You will need outdoor or indoor (passive or active indoor antennas used together with its own power cord) antennas to receive digital broadcastings. Contrary to the analog broadcastings, all digital broadcastings may not have their own transmission frequency. Instead, various digital broadcasting channels are gathered in regional or national groups called bouquets. You can find current transmission data from teletexts of various broadcasting enterprises or from TV guide or from the internet.

1.5-General instructions for laser devices

CLASS 1
LASER PRODUCT

Your system is a CLASS 1 LASER PRODUCT. This means that the laser has been designed in a way that the highest emission value will not be exceeded under any circumstances.

Caution:
In case of using operating devices or methods apart from the ones specified herein, such situation may cause being exposed to dangerous emissions. The device emits laser radiation. The unit may only be disassembled and serviced by adequately trained personnel because of the risk of eye injury. If settings or OTHER PROCESSES that are not stated herein are performed, such situation may cause being exposed to dangerous radiation.

CAUTION - CLASS 1M VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS.

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copy protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

2 Features of your new television

We would like this product, which has been manufactured in modern facilities in accordance with total quality principles, to offer you the best performance. Therefore, we would like you to read this entire manual carefully before you use your product and keep it for future reference.

2.1-Special Features

- HDMI connection
- HD-Ready
- HDCP feature
- SCART connection
- Audio/Video RCA inputs
- PC connection
- Playing Pictures, Music and Films from USB
- Playing DVDs, VCDs, Music and Picture CDs
- Component connection through VGA
- S-VHS connection through scart
- Low energy consumption
- Available for cable broadcasts
- Automatic switch-off feature that can be programmed between 15 and 120 minutes
- Fasttext
- Toptext (*)
- Digital teletext
- EPG (Electronic Program Guide) feature
- CI slot input
- Software upgrade by air transmission
- 4 Digital Favorite channel lists
- Automatic new channel search feature
- Sharpness feature in Colour Transitions (CTI)
- Sharpness feature and picture resolution (LTI) in black-white transitions
- A clearer Picture made possible with a Digital Comb Filter
- DNR Noise reduction
- Manual fine tuning
- 100 Analog Program memory
- 1000 Digital Program memory
- Returning to the last viewed program by single button (SWAP)
- Infrared remote control equipped with all functions
- Feature of viewing the NTSC broadcast via scart input
- Easy performance of the processes with the advanced menu system
- Panel Lock
- 4:3, 16:9, 14:9 Subtitle, Letterbox, Auto picture formats
- Automatic broadcast detecting system by means of WSS feature
- Renaming, deleting, skipping and relocating the programs.
- MHEG 1.06 support

HDMI™ HIGH DEFINITION MULTIMEDIA INTERFACE HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

Manufactured under license from Dolby Laboratories.

(*): These features are optional and they are not available on all models.

3 | Important Safety Instructions

This symbol is used to warn the user about the "dangerous voltage" contained inside the housing of the product that may create a risk of electrical shock.

This symbol is used to remind the user important usage and service instructions supplied with the device.
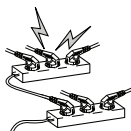
1) Please **READ** the operating instructions before using the device for the first time.

2) Please observe the instructions contained in the Operating Instructions.

3) Please consider all warnings.

4) MAKE SURE that all power connections (extension cables and the connections between the device components) have been made properly and in accordance with the manufacturer's instructions. Before making or changing the connections, power off the device and unplug the mains connection plug.

5) If you have any doubts regarding the installation, operation or safety of the device, please **REFER** to the vendor.

6) BE CAREFUL with glass panels and covers on the device. The screen glass may break and cause serious injuries if something hits it.

7) To ensure adequate ventilation, please leave a clearance area of at least 10 cm around the television. This clearance prevents the TV from overheating and consequently causing damage.

• Using the device in dusty environments should also be avoided.

• Never block the slots and openings by placing the TV on a bed, sofa, pillow or other similar surfaces.

• Never install the TV into closed places such as bookcases or cabinets unless adequate ventilation is provided.
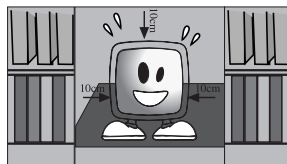
8) DO NOT COVER the ventilation openings of the device with items such as newspapers, table-clothes, curtains, etc. Overheating causes damage and shortens the service life of the device.

9) Your TV may be damaged if you place it under direct sunshine or close to a heater. Please abstain from using the product in very hot or humid locations or in places where the temperature is likely to decrease below 5°C (41°F). **DO NOT PLACE** on or near the device any hot objects or items with open flame such as candles or any night lamps. The high temperature can melt plastic parts and cause a fire.
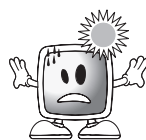
10) Never operate electrical devices close to water. Operating such devices, for example, near a bathtub, washbasin, kitchen washbasin, washing basin, wet basement and swimming pool can cause fire or electric shock.
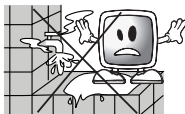
- Do not allow your TV to get wet. Never pour any liquids onto the TV. Do not operate your TV if any solid or liquid substance enters into it. This can cause electric shock and your TV may be damaged. Have it checked immediately by qualified personnel.

- Keep open flame sources (such as candles) away from TV in order to avoid risk of fire.

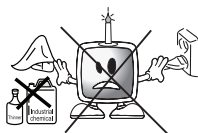**11) DO NOT USE** headphones at extremely high volume levels since this may cause permanent loss of hearing.

12) Operate your TV only in the 220 V 50Hz voltage range. Use the AC power cable supplied with the product. If your TV is a grounded (Class I) product, then it must certainly be connected to a grounded socket.
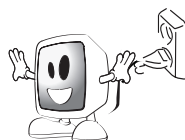
- **The socket into which you plug in the AC power cable must be within easy reach.**
- **Turn off your device with the ON/OFF button and then unplug it in order to disconnect it from mains.**

Note: Use the AC power cable supplied with your product. Do not use defective sockets. Make sure that the plug is firmly inserted into the socket. If the plug remains loose, then it can cause fire due to arching. Refer to an electrician to have your socket replaced.

13) Make sure that the power cable is not stepped on and that there is no bending at the plug sections, plug heads and device output point.

14) Use only the add-ons/accessories specified by the manufacturer.

15) Use only together with the carts, bases, tripods, brackets or stands specified by the manufacturer or sold along with the product. When using a cart, pay attention that it won't overturn while carrying the cart/device combination and cause injuries. The device must be fixed to the floor or wall as indicated in the installation instructions in order to avoid any possible damages. Place your device on a level surface.

16) Unplug the power cable during thunderstorms or when you will not use your device for a long period of time.

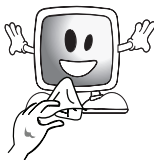**17)** Consult authorised service personnel for service requirements. Never attempt to repair the device yourself. Opening the cabinet can expose you to dangerous voltages or other hazardous situations. Service is required in situations such as damage to the power cable of the device or its plug, water spills or substances falling into the device, the device is subjected to rain or moisture, it does not operate normally or it is dropped.

18) Wipe the TV cabinet clean with a soft and dry cloth. Wipe dust from the screen gently with a soft cloth. Stubborn stains can be cleaned with a cloth slightly moistened with soap and lukewarm water. Never use solvents such as thinner or gasoline for cleaning. Unplug the AC power cable from the socket when cleaning the TV. Otherwise, there is the risk of electric shock.

19) Do not dispose of the batteries in fire.
• Do not short circuit, dismantle or overheat the batteries. **There is the risk of explosion if the batteries are not replaced correctly. Replace only with the same or equivalent type batteries.**
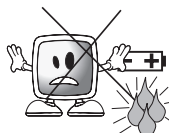
20) Disposing of the exhausted batteries:
Dispose of the exhausted batteries in accordance with the local laws and regulations in order to protect our environment.

21) Do not dispose of your TV with regular household waste. Observe local laws and regulations for disposal.

22) Clean the disc with a microfiber cleaning cloth by linear movements from the center to the edges.
Important Note: Risk of damaging discs! Never use solvents such as benzene or thinner, commercial cleansing agents or antistatic sprays.
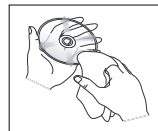
Note 1: Electromagnetic fields can cause temporary performance degradation. This can be distinguished as noise in the image.

Note 2: Tighten the screws that are used to connect the wall mount kit by 1 Nm (10kgfcm) maximum.

4 Start

Remove your television carefully from its box. You can keep the packaging of your television to use in future.

Contents of the box
Power cable
Remote control
2 batteries
Note: The Scart, VGA (*) and RCA cables are not supplied with the device.
(*) These features are optional and may not be available on all models.

4.1-Antenna connection
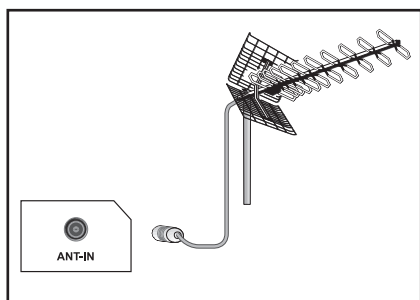
If you use a 75 Ohm coaxial cable (round cable) as an antenna cable, connect the antenna plug directly to the antenna input located on the TV.
Motorized vehicles, energy lines and telecommunication lines affect your antenna. Therefore, be careful to install your antenna away from these and metal surface in such a way that it shall not swing. Do not make your antenna cable longer than required and do not coil it. Make sure that it is not crimped passing through a window or door. Your antenna and cable might be affected by natural phenomena such as rain, wind, smoke and humidity over time. Periodically check your antenna and equipment.

4.2-Powering on your device and the initial use

1. Insert the power cable into the proper power supply input located on the back panel of the LCD TV.

2. Insert the power cable plug supplied with the device into the mains socket.

Note 1: Your TV will switch to the **stand-by** mode in five minutes if there is no broadcast signal from antenna.

 3. To power on your television, press any numerical key or **P+** or **P-** keys on the remote control.

Note: If you are not going to use your television for a long time, unplug its power cable from the socket.

Initial power on and performing settings
To set up your television, read the sections on the TV controls and making the channel settings.

4.3-Batteries
Open the lid of the battery compartment and make sure that you have placed the batteries in the correct direction. For this remote control, UM-4, IEC R03 or AAA 1.5 V batteries are suitable.
Do not throw your old batteries into the fire, discard them in a dedicated waste area for this purpose.

Do not mix used batteries with new ones or different types of batteries together.

The performance of the remote control will be reduced at a distance of 8 meters from or at an angle of 30 degrees beyond the centre of the TV.
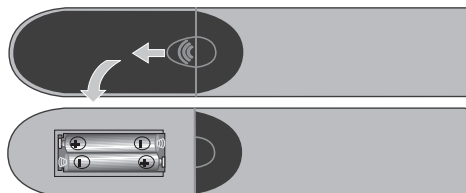
5 Your new television

5.1-TV Control Panel

PR

or

or

Program Up/Down button

or

or

Volume Up/Down button

MENU or SOURCE or M/S or ⟨ or ⟨

Menu/Source selection button

 Stand by indicator
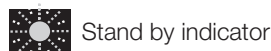
Bright light: TV is in Stand-by
Dimmed light: TV is On
No light: Power Cable is not connected

⟨ or ⟨ or ⟨ or ⟨
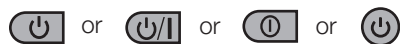
Power/Standby button

5.2-External Connections
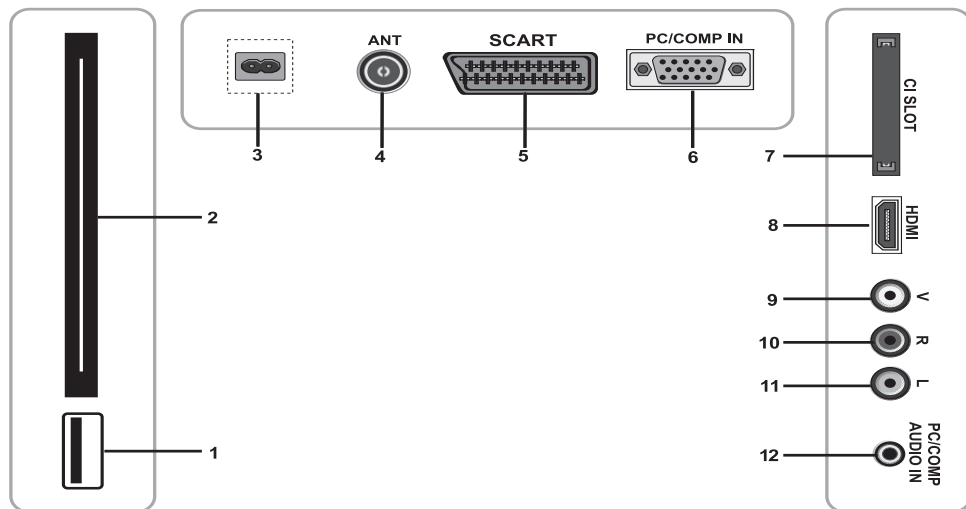
1-USB input
2- DVD input
3- Power input
4- Antenna input
5- Scart input
6- VGA (PC/YPbPr connection input)

7- CI Slot Input
8- HDMI input
9- Video input
10- Audio input R
11- Audio input L
12- PC/Comp audio input

Note 1: RGB input via Scart offers the best picture quality.

Note 2: Above drawing for external connections is representational. Their order and places on your TV may be different.

Please see Technical Specifications Table on page 37 for the available external connections on your television.

5.3-Remote Control TV Mode

1- Stand-by mode On/Off button
2- Picture Format selection button
3- Numeric buttons
4- Return to previous menu button
5- Up movement button (Menu)
6- Left movement button (Menu)
7- Down movement button (Menu)
8- Volume down button
9- Volume up button
10- Red teletext button
11- Green teletext button
12- TV/Teletext selection button
13- Teletext page enlarge button (Double)
14- Source menu button
15- Temporary sound mute (Mute) button
16- Subtitle selection button (D)
17- Time/Date button (D)
18- Favorite channel selection button (D)
Page Stop button in Txt mode (Hold)
19- EPG selection button (D)
Question/Answer button in Txt mode (Reveal)
20- Information button
Index page button in Txt mode
21- MENU button
22- Exit menu button
23- Right movement button (Menu)
24- Menu selection confirm
25- Program forward selection button
26- Program backward selection button
27- Yellow teletext button
28- Blue teletext button
29- Last viewed program selection button
Sub page button in Txt mode (Sub Page)
30- Picture Mode selection button
Page update button in
Txt mode (Update)

(D): Digital Mode Only
Note: In the analog mode when no menu is open on the screen, **Up/Down** movement buttons function as program **forward/backward** buttons, and **Left/Right** movement buttons perform Volume **up/down** functions.

5.4-Remote Control DVD Mode
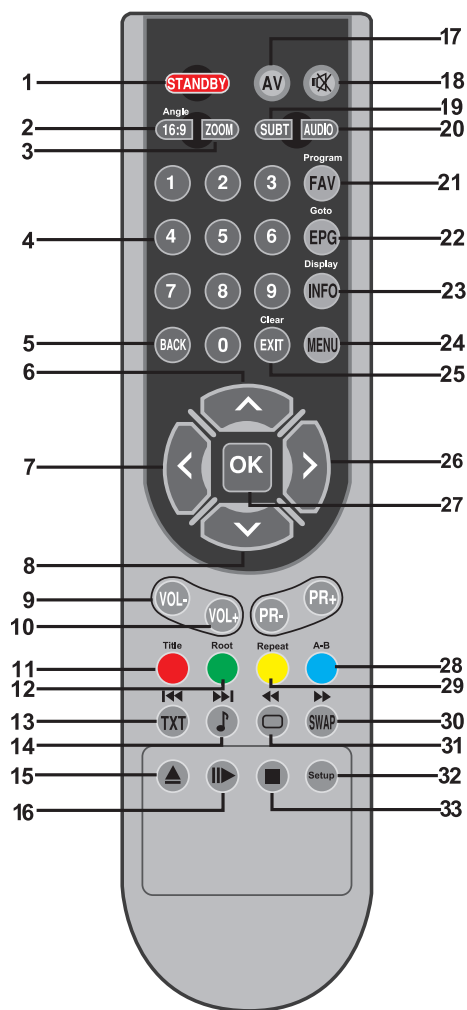
1- Stand-by mode On/Off button
2- Angle (selecting different camera angles) button (*)
3- ZOOM mode selection button
4- Numeric buttons
5- Return to previous menu button
6- Up movement button
7- Left movement button
8- Down movement button
9- Volume down button
10- Volume up button
11- Title (Title Menu) button (*)
12- Root (DVD menu) button (*)
13- Skip chapter or track backward button
14- Skip chapter or track forward button
15- DVD-CD Eject button
16- Start / stop playing button
17- Source menu button
18- Temporary sound mute (Mute) button
19- Subtitle selection button (*)
20- Audio selection button (*)
21- Program button
22- Move to desired time button
23- Time display button
24- TV Menu button
25- Exit menu button
26- Right movement button
27- Menu selection confirm
28- Playing function between two chapters button
29- Replaying function button
30- Fast forward button
31- Fast rewind button
32- DVD settings menu button
33- End playing button

(*) If DVD supports

5.5-Remote Control USB Mode

1- Stand-by mode On/Off button
2- ZOOM mode selection button
3- Numeric buttons
4- Return to previous menu button
5- Up movement button
6- Left movement button
7- Down movement button
8- Volume down button
9- Volume up button
10- Root (USB return to main menu) button
11- Skip chapter or track backward button
12- Skip chapter or track forward button
13- Start / stop playing button
14- Source menu button
15- Temporary sound mute (Mute) button
16- Subtitle selection button
17- Audio selection button
18- All-USB content listing button
19- Going to desired time button
20- Time display button
21- TV Menu button
22- Exit menu button
23- Right movement button
24- Menu selection confirm
25- Playing function between two chapters button
26- Replaying function button
27- Fast forward button
28- Fast rewind button
29- USB settings menu button
30- Stop playing button

6 Performing the initial power-on settings

6.1-TV controls

6.1.1-Temporary on/off (STAND-BY)

When you press the red **STAND-BY** button located on the upper left hand side of your remote control while your television is switched on, the sound and the picture will go off. In the stand-by mode, the power indicator of your television will glow brighter. To switch your television back on, either press any numeric button or **PR+/PR-** buttons.

Caution! If you are not going to use your television for a long time, unplug its power cable from the socket.

6.1.2-Channel Selection

You may select whichever program number you would like by pressing the **PR+/PR-** buttons located on your television and your remote control. To select the programs that are above 9, you can use the Numerical buttons. You may enter the number of the program you would like to select using the numerical buttons. For example, to switch to the program number 12, press respectively the numeric buttons 1 and 2 on your remote control. You can perform the program selection also from the Program Table.

6.1.3-Digital TV, Analog TV and AV Mode Selection

Press the **AV** button on your remote control. **SOURCE** menu will be displayed. Select **DIGITAL**, **ANALOGUE** or desired **AV** mode from the Source menu with **Up/Down** movement buttons and confirm with **OK** button so that your television will switch to the source you have selected.

6.1.4-Performing the Volume setting

You can adjust the volume of your television by using the **VOL+/VOL-** buttons on your remote control.

6.1.5-Temporary sound mute (MUTE)

To temporarily mute the sound of your television, press the **MUTE** button on your remote control. In that case, **MUTE** symbol will appear on the screen. When you press the same button a second time, the sound will be restored. If you press the **VOL+** button while in the Mute mode, the sound level is increased and the Mute function is aborted.

6.1.6-Returning to Selected Program (SWAP)

Allows you to switch between the current program you watch and the last selected program. For example, if you change the channel to Program 11 while you were watching Program 1, press **SWAP** button to switch back to Program 1. Press **SWAP** button to switch back to Program 11 again.

PR 01 ➡ SWP *PR 11* ➡ SWP *PR 01*

6.1.7-Main Menu

Press the **MENU** button. The Menu including all the setting menus will appear on the screen. Navigate through the Menu titles with the **Up/Down** movement buttons and press the **OK** button to select the desired menu. If you want to exit the menu in any step, just press the **EXIT** button. Press **BACK** or **MENU** buttons to return to the previous Menu while you are in a sub menu.

```
MAIN MENU

SOUND
PICTURE
PROGRAM TABLE
SETUP
FEATURES


  ▲
  OK  SELECT           MENU
  ▼                    EXIT
```
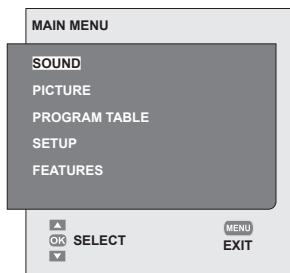
6.2-Turning on the TV and Setting the Channels

Menu Language screen is displayed when you turn on your television for the first time. If the antenna connections are correct, press **OK** button to continue. **COUNTRY SELECTION** menu will be displayed. Select the country by using **Up/Down**, **Right/Left** movement buttons and press **OK** button to start the auto programming. **Channel Search** menu will be displayed and Digital channels are scanned and stored in the memory.

After completion of the searching process **Channel Search Results** menu will be displayed. Number of TV and Radio channels already detected and stored in the memory at the end of the search process will be displayed in this menu. Finish the Digital channel searching process by pressing the **OK** button.

PRESS OK KEY TO START ANALOG SEARCH PRESS MENU KEY TO EXIT message will be displayed. You can make Analog channel tuning with **OK** button or finish the searching process by pressing the **MENU** button.

6.3-Performing Digital Tunings

You can either tune the Digital programs automatically or manually and store them in your television.

6.3.1-Automatic Tuning of Channels and Storing in the Memory

Press **AV** button on your remote control, select **DIGITAL** tab from the **SOURCE** menu by using **Up/Down** movement buttons and confirm by pressing the **OK** button. Your TV will switch to Digital mode. Press **MENU** button, **MAIN MENU** will be displayed. Select **SETUP** tab with down movement button and confirm with the **OK** button. **SETUP** menu will be displayed.

```
SETUP

AUTO TUNING
MANUEL TUNING
FIRST TIME INSTALLATION


  ▲
  OK  SELECT      MENU  BACK
  ▼
```
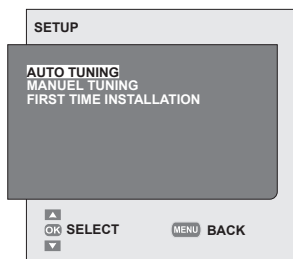
Select **AUTO TUNING** tab and confirm by pressing the **OK** button. **COUNTRY SELECTION** menu will be displayed.
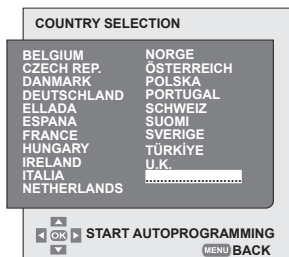
```
COUNTRY SELECTION

BELGIUM          NORGE
CZECH REP.       ÖSTERREICH
DANMARK          POLSKA
DEUTSCHLAND      PORTUGAL
ELLADA           SCHWEIZ
ESPANA           SUOMI
FRANCE           SVERIGE
HUNGARY          TÜRKİYE
IRELAND          U.K.
ITALIA           .................
NETHERLANDS

  ▲
  ◄ OK ►  START AUTOPROGRAMMING
  ▼              MENU BACK
```

Select the country by using **Up/Down**, **Right/Left** movement buttons and press **OK** button to start the auto programming. **Channel Search** menu will be displayed and Digital channels are scanned and stored in the memory.

```
Channel Search
Waiting for signal...



Service found:

TV:        0    Radio:     0    Other:     0


                                OK  Stop Search
```
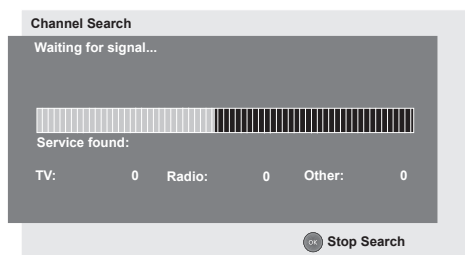
Note: You can also access **Auto Tuning** menu from the **System Menu** submenu under **Digital Features** menu.

6.3.2-Manual tuning of channels and storing in the memory

Press **MENU** button in digital mode and **MAIN MENU** will be displayed. Select **SETUP** tab with down movement button and confirm with the **OK** button. **SETUP** menu will be displayed. Select **MANUAL TUNING** tab and confirm by pressing the **OK** button. **Manual Search Parameters** menu will be displayed.

Manual Search Parameters		
Channel	◀◀ 21	▶▶
Frequency	474000	
Update of Channel List	◀◀ Add channels	▶▶

Change   ⊙ Start   (MENU) Back

Highlight the **Channel** tab by means of **Up/Down** buttons and directly enter the frequency number of the channel you want to search, if you know, by using the numeric keys on the remote control. If you don't know the frequency number, you can scan frequencies by using the **Left/Right** movement buttons. After entering the frequency you want to search, highlight **Update of Channel List** tab with **Up/Down** movement buttons and select either one of **Add channels**, **Replace channels** or **Erase channel list** items, then press **OK** button to start searching. Channels will be searched or changed according to the search method you have chosen.

Channel Search					
Waiting for signal...					
Service found:					
TV:	0	Radio:	0	Other:	0

⊙ Stop Search

Add Channels : With this option, the new channels in the frequency which is desired to be manually searched will be scanned and added to the existing channel list.

Replace Channels : With this option, you can update the existing channel list with the modifications made by the broadcasting enterprise.

Erase Channel List : With this option, you can delete all channels in the existing channel list to store only the new channels in the desired frequency into the memory.

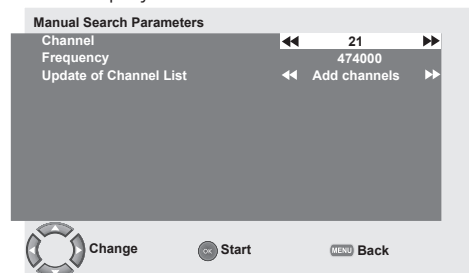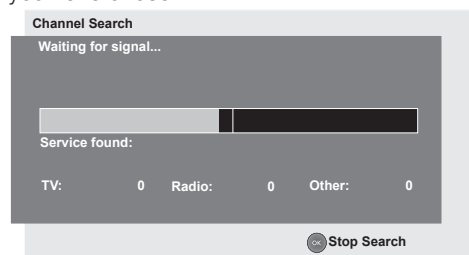**Note:** You can also access **Manuel Tuning** menu from the **System Menu** submenu under **Digital Features** menu.

6.3.3-First Time Installation

If you select this function, all channel information in the memory will be deleted. The OSD where country selection shall be made is displayed and channel search is made automatically. First, digital channels are searched. You can start Analog channel search by pressing the **OK** button after the digital channel search is completed.

6.3.4-Program Table

With the program table, you can see the stored channels in a list, switch between TV channels and Radio channels or create your favorite channels list for 6 TV and Radio channels according to your preference.

Select the **PROGRAM TABLE** item from the main menu by means of **Up/Down** movement buttons to access program table and press **OK** button to confirm. Program Table will be displayed. You can also access the program table menu directly by pressing the **OK** button on your remote control when there is not any open menu on the screen.

All	
1 Kanal	
2 Kanal	
3	
4	
5	

⊙ Select   (MENU) Back
● Edit List   (FAV) Change List

6.3.4.1-Displaying Television and Radio channel lists and selecting the channels

When the program table menu is opened, all TV channels stored in the list are displayed. You can navigate between the TV and radio channels with **Up/Down**, **Left/Right** movement buttons or you can select any channel you wish to watch or listen to by pressing the **OK** button. Press the **RED** button on the remote control when your are in the program menu to switch to the Favorite Channels list. Favorite Lists will be displayed. You can also select the TV and Radio channels directly by means of the **FAV** button on your remote control.

6.3.4.2-Creating favorite channels list

You can create 6 favorite channel lists according to your personal preferences; to do this, press the **RED** button when you are in Program table. Favorite Lists will be displayed. All TV channels can be seen on the Left hand side and favorite channels on the Right hand side. In All TV Channels list select the channel you want to add to the favorites list by using **Up/Down** movement buttons and press **OK** button to confirm; name of the channel you have selected will be displayed on the favorite channels list. Repeat the same steps fore every channel you want to add. To create a different favorites list, you can change the favorite channels list by pressing **FAV** button on your remote control and add channels to these lists as described above. To select directly the favorite channels lists you have created, you can use the **FAV** button on your remote control.

Note: You can also access the **Favourite Lists** menu from the **Digital Features** menu.

6.3.5-Electronic TV Guide (EPG)

If it is supported by the broadcasting enterprise, the electronic TV guide gives entire general information about the programs of the next 8 days (for digital channels only).

To display the Electronic TV Guide, press **EPG** button on your remote control. Electronic TV Guide will be displayed.
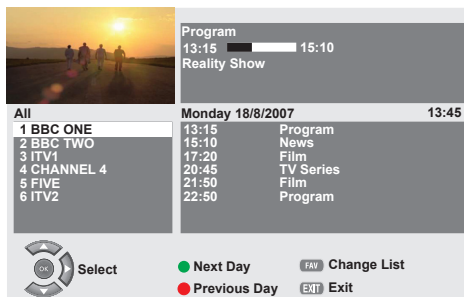
You can select the channel by using the **Up/Down** movement buttons and navigate through the program data with **Right** movement button. To get further information about the program press **INFO** button and detailed information about the selected program will be displayed. Press the **GREEN** button to display next day's program information, press the **RED** button to display previous day's program information and highlight the program for which you would like to set a reminder in **EPG** menu and pres **OK** button. A clock symbol will appear at the left hand side of the channel for which you have set a reminder. **Reminder** menu will appear if you want to set another reminder for the same time interval. Press **Menu** button to activate the first reminder and press **OK** button to activate the second reminder. Two reminders can not be active for the same time interval. Reminder will be cancelled when you highlight the program for which a reminder has been set and press **OK** button again.

Important Note: Not all broadcasting enterprises supply a detailed TV guide. Most of the broadcasting enterprises provide daily program information, but they do not give detailed explanations. Some broadcasting enterprises, on the other hand, do not give any program information at all.

6.3.6-Digital Features

To enter digital features menu, select **FEATURES** tab from the main menu by using **Up/Down** movement buttons. Select **DIGITAL FEATURES** tab from **FEATURES** menu by using **Up/Down** movement buttons and press **OK** button to confirm. **DIGITAL FEATURES** menu will be displayed.

```
Digital Features
Language Settings
Access Control
User Interface Options
Timers
Favourite List
No Common Interface Module Present
System Menu

        Select                    MENU Back
```
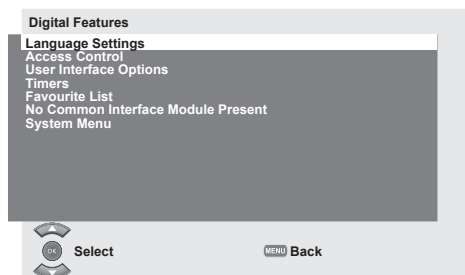
You can select the menu headings with **Up/Down** movement buttons to make settings.

6.3.6.1-Language Settings

You can select subtitle and audio language provided that the broadcast is supported for all digital broadcasting channels. Unless you make any selection, the language supported by the broadcaster will be selected automatically.

To perform language selection, select **Subtitling Language 1**, **Subtitling Language 2**, **Audio Language 1**, **Audio Language 2** tab from the **Language Settings** menu by using **Up/Down** movement buttons and make your language selection with **Left/Right** movement buttons. You can also select subtitles directly by **SUBT** button on your remote control or make sound selection by **AUDIO** button.

6.3.6.2-Access Control

With this feature you can preclude channels that are not appropriate for children and set age restriction for programs being broadcasted.

```
Access Control
Lock/Unlock Channels
Change PIN

        Select                    MENU Back
```

Lock/Unlock Channels: Select **Lock/Unlock Channels** tabs from **Access Control** menu and press **OK** button to confirm. All TV Channels list will be displayed; select the channel you want to preclude with **Up/Down** movement buttons and press **OK** button to confirm. **x** mark will be displayed at the beginning of the channel name and thus channel is precluded. To remove such preclusion, repeat the same steps. Select the channel to access the precluded channel and enter the correct password into the displayed password screen. The channel will not be displayed unless the correct password is entered.

Note 1: To re-prevent access after entering the correct password and displaying the precluded channel, your television has to be switched to Standby mode and turned on again.

Note 2: The password for both of these features has been set as **0000** at the factory. You can change the password as you wish under **Change PIN** item in the **Access Control** menu.

6.3.6.3-User Interface Options

From this menu, you can decide whether to display the scrambled channels in the program table or not. **If List Scrambled Channels** is set to **ON**, all channels will be displayed, if it is set to **OFF**, scrambled channels will not be displayed and if it is set to **AUTO** and a CI card is installed to your television, then the scrambled channels supported by the card will be displayed.

6.3.6.4-Timers

In this menu you can view Reminders you had entered from the EPG or change or delete the entered Reminders.

6.3.6.5-Favourite Lists

Please see 6.3.4.2-Creating favorite channel list, for detailed explanation of this feature.

6.3.6.6-Common Interface Module

In this menu, you can make the CI Module settings that you can attach to your television.

6.3.6.7-System Menu

You can make Digital Channel Search or display hardware and software data on your television under this menu.
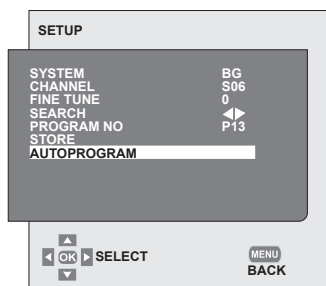
6.4-Performing Analog Tunings

You can either tune the Analog channels automatically or manually and store them in your television.
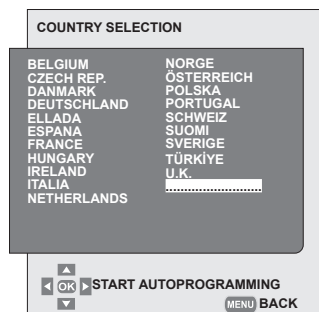
6.4.1-Automatic tuning of channels and storing in the memory

Note: If your television does not receive any antenna broadcast for a period of 5 minutes, it automatically switches to the stand-by position. The countdown OSD is displayed on the screen during the last 1 minute (applicable for Analog mode only)

You can tune the programs automatically with the Autoprogram function of your television and then sort the channels as you desire by means of the Program Table. Press **AV** button on your remote control, select **ANALOG** tab from the **SOURCE** menu by using **Up/Down** movement buttons and confirm by pressing the **OK** button. Your TV will switch to Analog mode. Press the **MENU** button on your remote control. Select **SETUP** tab with **Down** movement button and confirm with **OK** button. Setup menu is displayed.

```
SETUP

SYSTEM            BG
CHANNEL           S06
FINE TUNE         0
SEARCH            ◄►
PROGRAM NO        P13
STORE
AUTOPROGRAM

  ▲
◄ OK ► SELECT          MENU
  ▼                    BACK
```

Select **PROGRAM NO** tab by pressing the **Up/Down** movement buttons in Setup menu, enter the channel number to be searched and stored automatically, then select **AUTOPROGRAM** tab by using the **Up/Down** movement buttons and press **OK** button; Country Selection menu will be displayed.

```
COUNTRY SELECTION

BELGIUM           NORGE
CZECH REP.        ÖSTERREICH
DANMARK           POLSKA
DEUTSCHLAND       PORTUGAL
ELLADA            SCHWEIZ
ESPANA            SUOMI
FRANCE            SVERIGE
HUNGARY           TÜRKİYE
IRELAND           U.K.
ITALIA            ...............
NETHERLANDS

  ▲
◄ OK ► START AUTOPROGRAMMING
  ▼           MENU BACK
```

In the Country Selection menu, select the country, whose broadcast you would like to watch in priority, by pressing the **right/left** movement buttons and start autoprogramming by pressing the **OK** button. The channels will be automatically searched and those found will be stored in memory starting from the program selected in the Setup menu. At the same moment, the Autoprogram menu will be displayed and a marker indicating the progress of the autoprogramming will appear as shown below.

```
AUTOPROGRAM
SEARCHING      % 20
  MENU STOP
```

To stop the process at any given time, please press the **MENU** button. The Program Table, which will allow you to sort the channels as you wish, will be displayed after the automatic search is complete.

6.4.2-Manual tuning of channels and storing in the memory

6.4.2.1-If you already know the channel number

Press the **MENU** button. Move to the **SETUP** menu by pressing the Down movement button in the Main Menu and confirm your selection with the **OK** button. Setup menu will be displayed. Select the

```
  SETUP

  SYSTEM              BG
  CHANNEL             S06
  FINE TUNE           0
  SEARCH
  PROGRAM NO          P13
  STORE
  AUTOPROGRAM



  ▲
  ◄ OK ► CHANGE           MENU
  ▼                       BACK
```
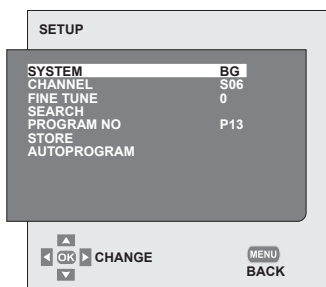
system in which you would like to make the search from the **SYSTEM** tab. Move into **CHANNEL** tab by pressing the down movement button. Press **OK** on your remote control to select **"S"** for cable channels and **"C"** for channels received via the antenna. Move onto the **PROGRAM NO** tab and using the number buttons enter the channel number in which you would like to have the channel stored. If the broadcast viewed on the screen is of your desired quality, first move onto the **STORE** tab with the down movement button to store in the memory the selection you have made and store the channel by pressing the **Left** or **Right** movement buttons. The prompt **STORED** will be displayed briefly. The channel will be stored according to the program number of your choice. You can tune and store in memory other channels the same way. In the event that you wish to exit the channel settings menu for any reason, simply press the **EXIT** button.

6.4.2.2-If you do not know the channel number

Press the **MENU** button. Move to the **SETUP** menu by pressing the **Down** movement button in the Main Menu and confirm your selection with the **OK** button. Setup menu will be displayed. Select the system in which you would like to make the search from the **SYSTEM** tab. Move into **CHANNEL** tab by pressing the down movement button. Press **OK** on your remote control to select **"S"** for cable channels and **"C"** for channels received via the antenna. Select **SEARCH** tab using the **Up/Down** movement buttons, and scan the channels
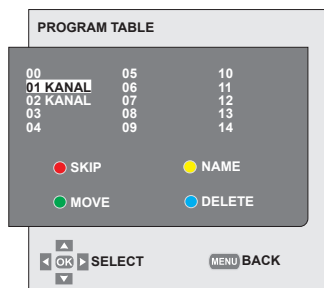
in ascending order with **Right** movement button and in descending order with **Left** movement button. If the channel that is found is of your liking, select the **STORE** tab. Then store it in the memory by pressing the **Right** or **Left** movement buttons. Repeat the same procedure for other channels by selecting the program number of your choice from the **PROGRAM NO** tab. If the channel you found is not of the desired quality and requires Fine Tuning or if you would like to rename the channel, refer to the relevant sections.

6.4.3-Fine Tuning

If the channel you found is not of the desired quality and requires Fine Tuning, then select the **FINE TUNE** tab by pressing the Down movement button in the **Setup** menu. Using the **Left/Right** movement buttons on your remote control, adjust the broadcast displayed on the screen to your desired quality. Under normal circumstances, you will not require to use the Fine Tune function. The AFC values of your television will automatically adjust and lock themselves to the channel. However, you might need it in case the television transmitters do not operate according to the standards. To store in the memory the settings you have made, select the **Store** tab and press the **Right** or **Left** movement button.

6.4.4-Program Table

Press the **MENU** button. Move to the **PROGRAM TABLE** tab by pressing the **Down** movement button in Main Menu and confirm your selection with the **OK** button. **Program Table** menu will be displayed.

```
  PROGRAM TABLE

  00            05            10
  01 KANAL      06            11
  02 KANAL      07            12
  03            08            13
  04            09            14

  ● SKIP              ● NAME

  ● MOVE              ● DELETE

  ▲
  ◄ OK ► SELECT        MENU BACK
  ▼
```

6.4.4.1-Switching the locations of the stored channels

Select the program you would like to relocate by pressing the **Up/Down** or **Left/Right** movement buttons. Press the **"GREEN"** button. The program you selected will appear in red. Highlight the program number you would like to relocate by pressing the **Up/down** or **Right/left** movement buttons. Finish the relocation process by pressing the **"RED"** button. To cancel relocating the channels, press the **"GREEN"** button. When you press **"RED"** button, the channel in the first program number you selected has been moved to your second selected program number and the channels between both program numbers have been shifted to the initially selected program number. After setting is complete, press the **EXIT** button to exit the menu.

6.4.4.2-Deleting a stored channel

Select the program you would like to delete by pressing the **up/down** or **right/left** movement buttons. Press the **"BLUE"** button. You may perform the deletion process by pressing the **"RED"** button or you may abort the deletion process by pressing the **"GREEN"** button. Once you pres the **"RED"** button, the selected program is deleted and all the following channels are transferred to previous program number. After setting is complete, press the **EXIT** button to exit the menu.

6.4.4.3-Skipping a stored channel

In the event that you do not wish to see certain programs while navigating through the channels using the **PR+/ PR-** buttons, then you can use this function. Select the program that will be hidden by pressing the **up/down** or **right/left** movement buttons. Press the **"RED"** button. The name of the program to be skipped will appear in red. You may perform this procedure for more than one program. To view the skipped program, directly enter the program number using the numeric buttons. To cancel the program skipping process, press again the **"RED""** button. After setting is complete, press the **EXIT** button to exit the menu.

6.4.4.4-To name the channels

You can assign your program or programs of choice the names that have a maximum of five characters. Select the program you would like to name from the Program Table by pressing the **up/down** or **right/left** movement buttons. Press the **"YELLOW"** button. An empty space appears beside the channel for which you would like to specify name information. Here, choose the desired letter, number or sign using the up/down movement buttons. For the second character, press the right movement button and then select the desired letter, number or sign again with the up/down movement buttons. After entering all the characters, store the name you have written in the memory by pressing the **"RED"** button. To write names for any of the other programs, simply repeat the above procedure. To cancel the program naming process, press the **"GREEN"** button. If you want to exit the menu, simply press the **EXIT** button. If the program is not named, then the channel number of that program will be displayed automatically.

7 Settings of Your New Television

7.1- Sound Menu Settings

7.1.1-Sound Menu

You can perform sound settings by entering the Sound menu. For this, press the **MENU** button on your remote control. Select **SOUND** by pressing the **Up/Down** movement buttons from the main menu and press the **OK** button. The Sound menu is displayed.
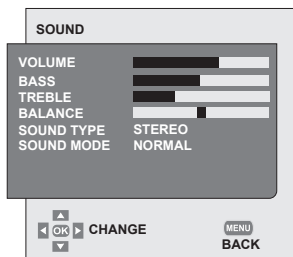
```
SOUND

VOLUME          ▓▓▓▓▓▓▓
BASS            ▓▓▓▓▓
TREBLE          ▓▓▓
BALANCE         ▓▓▓▓▓▓
SOUND TYPE      STEREO
SOUND MODE      NORMAL


   ▲
 ◄ OK ►  CHANGE        MENU
   ▼                   BACK
```

You can select the desired title to be processed from this menu. You can select the desired setting by pressing the **Up/Down** movement buttons and adjust their levels with **Right/Left** movement buttons. You can adjust **VOLUME**, **BASS**, **TREBLE**, **BALANCE, SOUND TYPE, SOUND MODE** levels as you desire. The changes you have made in the sound settings will be stored in the memory without requiring any other operations.

7.1.1.1-Sound Type

Sound Type option is displayed on the Sound menu in all inputs except for the Analog TV mode. You may select the Sound Type as **STEREO, DUAL I, DUAL II** by this option. If your selection is DUAL I or DUAL II, the **BALANCE** option in the menu will be deactivated and cannot be changed by the user.
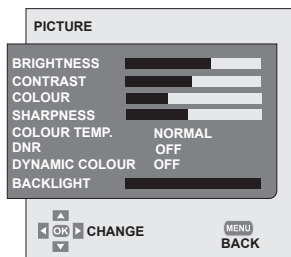
7.1.1.2-Sound Mode

You may add some depth to the sound of the program you are watching; to do this, select one of the **NORMAL, SPATIAL, SURROUND** options from the **SOUND MODE** tab by pressing the **Right/Left** movement buttons. If your selection is **SPATIAL** or **SURROUND**, the **BALANCE** and **SOUND TYPE** options in the menu will be deactivated and cannot be changed by the user.

7.2-Picture Menu Settings

7.2.1-Picture Menu

You can perform other picture settings by entering the Picture menu. For this, press the **MENU** button on your remote control. Select **PICTURE** by pressing the **Up/Down** movement buttons from the main menu and press the **OK** button. The Picture menu will be displayed.

```
PICTURE

BRIGHTNESS       ▓▓▓▓▓
CONTRAST         ▓▓▓▓▓▓▓
COLOUR           ▓▓▓▓▓
SHARPNESS        ▓▓▓▓
COLOUR TEMP.     NORMAL
DNR              OFF
DYNAMIC COLOUR   OFF
BACKLIGHT        ▓▓▓▓▓▓▓


   ▲
 ◄ OK ►  CHANGE        MENU
   ▼                   BACK
```

You can select the desired title to be processed from this menu. You can select the desired setting by pressing the **Up/Down** movement buttons and adjust their levels with **Right/Left** movement buttons. You can adjust **BRIGHTNESS**, **CONTRAST**, **COLOUR** and **SHARPNESS** levels as you desire. The changes you have made in the picture settings will be stored in the memory without requiring any other operations.

7.2.2-Colour Temperature

Colour intensity of the picture can be adjusted with this feature. Select **COLOUR TEMP.** tab from the Picture menu by pressing the **Up/Down** buttons to activate this feature and then select one of the **COOL, NORMAL** or **WARM** options by pressing the **Right/Left** buttons.

7.2.3-DNR (Noise reduction)

You may reduce interference and noise formed in the picture by using this feature. Select **DNR** tab from the Picture menu by pressing the **Up/Down** buttons to activate this feature and then select one of the **OFF**, **LOW, MID, HIGH** or **AUTO** options by pressing the **Right/Left** buttons.

7.2.4-Dynamic Colour

With this feature, you can make the colours in the picture appear more saturated. Select **Dynamic Colour** tab from the picture menu by pressing the **Up/Down** buttons and then select **ON** by pressing the **Right/Left** buttons to activate this feature.

7.2.5-Backlight

With this feature, you can adjust the intensity of light reflected to the LCD Panel. To do this, select **BACKLIGHT** tab from **PICTURE** menu by using **Up/Down** movement buttons and press **right/left** movement buttons to select the level as you desire.

7.2.6-Picture Smart

You can select either one of the three non-adjustable settings in the memory or the options you have adjusted by pressing the (⬤) button on your remote control. **SOFT, NATURAL, RICH** are default values; **USER** represents the values you stored in the memory.

IMPORTANT NOTE: Your TV is equipped with Digital Comb Filter feature to increase the picture quality. This option can not be changed by the end user if it is set to ON.

7.2.7-Tint

When NTSC video is input via Scart, you may make Hue settings. The tint option is not seen in the menu when you have not input this type of a video. When a NTSC video is connected via the Scart, this option becomes active and appears in the menu.

7.2.8-Picture Format

With this option, you can view the broadcast you watch in a format of your choice. You can view the broadcasts in **AUTO, 16:9, 14:9, 4:3, LETTERBOX, SUBTITLE** formats. Picture format can be selected as **16:9** or **4:3** in **HDMI**, **YPBPR**, **PC**, **USB** and **DVD** modes. In that case, the name of the selected picture format will be displayed in the centre of the screen.

Note: 16:9 and **4:3** picture formats are supported in **HDMI**, **YPBPR**, **PC**, **USB** and **DVD** modes.

7.2.8.1-Auto

Some movie channels may broadcast in the 16:9 format. If you would like to see this format automatically, then select **AUTO**. In that case, **AUTO 16:9** appears on your screen.

7.2.8.2-16:9

Please use this setting for watching wide screen DVDs, wide screen video cassette or 16:9 formatted broadcasts. Since various screen formats such as 16:9, 14:9 and etc. are used, black stripes might be formed on the lower and upper parts of the screen.

7.2.8.3-14:9

This is a movie format.

7.2.8.4-4:3

Use this setting to watch the broadcasts in the 4:3 format.

7.2.8.5-Letterbox

While watching a "16:9 or cinemascope formatted" film or video cassette, this setting will remove or minimize the black stripes on the background by zooming in the picture without diffusing it.


7.2.8.6-Subtitle

If the subtitles are transmitted in the "16:9 formatted" broadcast, then this setting will push the picture upwards in order to ensure the entire written text to be seen.

Note: Since the use of certain functions in order to change the picture sizes for collective projection or commercial purposes (modifying the height and width etc.) will be deemed an infringement of the picture's copyright, legal proceedings can be carried out as required under relevant laws.

7.3-Features Menu Settings

Press the **MENU** button on your remote control. **Select FEATURES** tab by pressing the **Up/Down** movement buttons and press the **OK** button. The Features menu will be displayed.
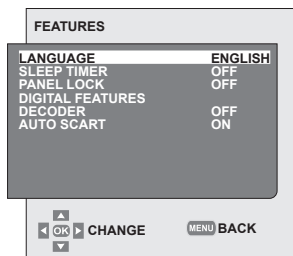
You can select the titles for which you would like to perform an operation in this menu by using the **Up/Down** movement buttons.

Note: The **DIGITAL FEATURES** tab in the features menu is deactivated in Analog mode. It is activated in Digital mode only.

7.3.1-Off Time

Off Timer switches your television automatically to Standby Mode after the preset time has elapsed. You can adjust this time from **15** to **120** minutes with increments of 15 minutes. To activate this feature, select the Off Time tab and press **Right/Left** movement buttons to select the desired time.

7.3.2-Panel Lock

If this feature is turned On, the control buttons on your LCD television will be locked and will not function. They will be active again when the feature is turned Off.

7.3.3-Digital Features

You can adjust the Digital TV features from this menu. See page 12.

7.3.4-Decoder

This feature is used to turn off the sound and picture output on the scart. If the scart output is required to be active (on) for an analog decoder or recorder device that will be connected via its socket, then switch to the channel to be recorder and set the **DECODER** option to **ON** from the **FEATURES** menu by means of **right/left** movement buttons. This value should be stored separately for each channel.

7.3.5-Auto Scart

When this feature is set to ON and when you operate an external device that is connected to your LCD television via scart, TV will automatically switch to AV mode where the device is connected. When it is set to Off, your TV does not switch to the external device automatically.

8 Teletext

Being one of the most prominent services of broadcasting today, Teletext renders the TV more fruitful. Teletext means in short the transmission of various updated information along with the TV broadcast signal in the form of text and graphics. To be able to receive a quality teletext broadcast, a good antenna system and a broadcast signal that is not weak, with no reflections and interference from other channels are required. Even in a very clear reception, it is normal for some characters or tabs to be lost. Such conditions will automatically be improved in a short time under normal circumstances.

8.1-Entering the Teletext Mode

In a channel that does not have the Teletext feature, **NO TELETEXT** will be displayed when you press the **TXT** button. In order to switch your television to the teletext broadcast, please press the **TXT** button in a program that has a teletext broadcast. To switch back to the television broadcast, press the same button twice. Once you have switched to the teletext broadcast, the initial page that appears will be the index page. **100** On this page, the titles of the topics in the teletext broadcast and the initial page numbers will appear.

8.2-Page Selection

To be able to view the page you would like on the screen, type in the number of that page using the numerical keys. You can see the number you have entered on the left side of the upper title tab. When you would like to turn the pages one by one, you can go to the next page pressing the **up** button and to the previous page pressing the **down** button. Press the **INFO** button to return to the Index page.

8.3-Page enlarge button (DOUBLE)

Using this button, you can watch the top half of the teletext page in an enlarged format. To be able to view the bottom half of the enlarged page, press the same button for the second time. Once you press the same button the third time, the page will be restored to its normal size.

8.4-Page Stop (HOLD)

Some information is laid out by the broadcasting agency in multiple pages and it is broadcast in an automatic cycle mode. For example, on a text of four pages, the pages are indicated with the figures 01, 02, 03 and 04 on the bottom of the page. To view one of these pages for a longer time, press the **FAV** button. When you press the same button again, the cycle continues.

8.5-Subpage selection (SUB)

If the page of text you are viewing contains sub pages the page numbers starting from 01 appear on the screen. You can switch to the sub pages with the **SWAP** button. In which case, the sub page tab is displayed on the bottom line within "**red -**" and "**green +**" frames. You can select the subpages by pressing the **"RED"** and **"GREEN"** buttons. You can exit the subpage by pressing the **SWAP** button again.

8.6-Temporary TV Picture (UPDATE)

This button allows you to switch to the television picture while the page you want is being searched in the teletext broadcast eliminating the need to wait during the search. You may switch to the television picture by pressing the ( ) button while Teletext is searching for your desired page. Once the page you want is found, the number of that page appears on the screen.

8.7-Question - Answer Button (REVEAL)

Sometimes, a teletext page contains a hidden answer such as a game or a riddle. Press the **EPG** button to disclose the hidden answer.

8.8-Fastext

The coloured buttons on the remote control are for the fastext feature. When you select any page, the titles on various subjects may appear on the screen in four different colours or inside coloured frames (red, green, yellow and blue). By pressing the button pertaining to the relevant colour on the remote control, you can access the subject of your choice without waiting.

Note: The fastext feature is not available for all teletext broadcasts. It is determined by the broadcasting agency whether it is to be broadcast or not.

8.9-Toptext (optional)

There is a topics line in yellow and blue at the bottom of the teletext screen. You can select the relevant topic by pressing the yellow or blue buttons on the remote control. You can select the next page by pressing the red button and the previous page by pressing the green button.

Note: Toptext feature is not available in every program.

9 DVD Mode

Your DVD player provides you with a perfect digital video ambiance at the quality of a studio. Depending on the type of the DVD and the audio system or stereo television, it also offers super cinema quality audio playing and stereo or digital multichannel audio features. Among other features of the DVD are selection of audio channel and language, subtitle and different angles of vision. Your DVD player is suitable for DVDs with regional code 2. Along with the DVDs, it can also play MP3 CDs, JPEG coded (photo) CDs, video CDs, S-video CDs and musical CDs.
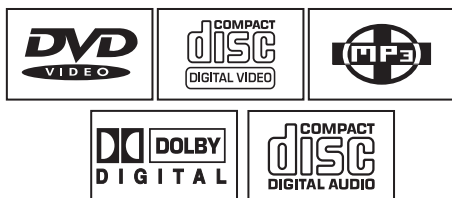
9.1-Disc formats

Your DVD player can play **CD R**, **CD RW**, **VCD 2.0**, **Super VCD**, **DVD R**, **DVD RW** discs. Due to the difference in the qualities of recording devices and even in the recording quality itself, home made DVDs or CDs may not be read from time to time. This does not show that the DVD has a failure. You must finalize your own CD R and CD RW recordings. When you play an MP3 or JPEG CD some tracks/pictures can be skipped or play incorrectly. This may arise from an error in the disc configuration or from software or hardware errors. Audio CDs (CD-DA) also have adequate technical properties and carry the relevant logo. CDs which are copy protected do not comply with these specifications in and do not carry the relevant logo in some cases. Such CDs may cause errors while playing.

9.2-Technical specifications of DVDs

You can recognize a DVD from the logo printed on its label. Discs may have one or more titles depending on the contents of the DVD. Each title can include one or more sections. Titles and sections can be selected easily and comfortably.

9.2.1-Technical specifications of special DVDs

DVDs have a title menu which gives a general view of the titles and passages they contain. Some functions of the DVD player such as slow motion, freeze frame and auto play can be controlled by the DVD itself. Therefore, it is possible not to be able to select some functions such as freeze frame during certain scenes. Most DVDs are equipped with audio tracks recorded in up to eight languages. This will enable you to select the language you prefer. Most DVDs are recorded by the producer with subtitles in many languages. You may select subtitles from up to 32 different languages.

Since the movies are released in different parts of the world in different times, all DVD players worldwide are given a regional code. Your DVD player's regional code is **2**. DVDs may also be assigned a complementary regional code. If you insert a DVD which has a different code than that of the DVD player, a reference to the regional code will appear on the television screen. In that case, the DVD player will not play that DVD.

9.2.2-Technical specifications of S-VCD/VCD

You can recognize an S-VCD/ VCDs (video CDs) from the logo on the label. Depending on the contents of S-VCD/VCDs, you can control and direct S-VCD/VCD playing operation by using the menu on the television screen. You cannot select some functions (eg. slow motion, camera angle, scene marking) when you are playing S-VCD/VCD. This situation depends on how the S-VCD/

VCD was created. Depending on the ways they were created, S-VCDs may include various subtitles and dubbing languages.

9.2.3-MP3 CD features

MP3 means MPEG-1 Audio Layer 3 which derives from Motion Picture Expert Group (MPEG) Standards that were developed to compress movie data. MP3 format enables recording of audio files in a computer with a sound quality similar to that of a CD.

9.2.4-Technical specifications of JPEG CDs

JPEG is the acronym for Joint Picture Experts Group. It was designed to compress the picture files.
JPEG files can also be written on a CD together with other types of files.
Such CDs are known as file CDs or mixed-mode CDs. For example, CD MP3 files (audio) may contain JPEG files (eg. to display album covers). Files in a JPEG CD can be organized in directories. This structure is the same as MP3 CD. JPEG CDs contain data compressed in JPEG format. This format is generally used in digital cameras or picture programs. Data (pictures) can be shown in a sequence (slide).

9.2.5-Technical specifications of music CDs

Music CD is indicated by this logo. Music CDs contain only audio records. They may be normally played in an audio system. Individual tracks are recorded in a sequence. There is no folder.

9.3- Using the Internal DVD

9.3.1-Inserting a Disc

Select **DVD** mode by pressing **AV** button before inserting the disc and press **OK** button. When your TV switches into DVD mode, place the disc in a way so that its labeled surface faces the front of your television. Content of the disc will be shown automatically once the disc is inserted.

9.3.2-Removing a Disc

To remove the disc from your television, press the ⏏ button on your remote control. When removing a disk, do not force to pull it out from the slot.
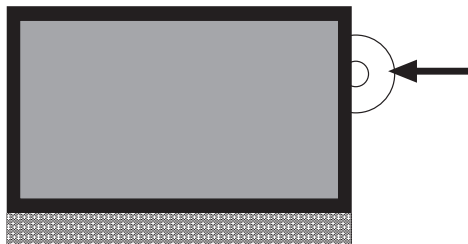
Note: You can also take out the disc from your television by pressing and holding the Source Selection button on the television for 3 seconds in cases of failure of your remote control or exhausted batteries.

9.4-Using a DVD, Video CD or Music CD

Depending on the disc being used, some functions may not exist.

9.4.1-Playing a track

1- After the disc is inserted in your television, the disc is read and starts playing automatically.

2- Press ‖▶ button to pause playing.

3- Press ‖▶ button to resume playing.

4- Press ∎ button twice to end playing.

Note: Depending on the disc being used, you may select the sections or tracks on the disc by means of ◄◄ / ►► buttons.

9.4.2-Displaying the disc information

Title, section and playing time messages may be retrieved on the screen. Press the **INFO** button on your remote control to do this. Title, Section and Time information will be displayed on the screen as below.

Tt 01/02 Ch 02/30   0:01:12

9.4.3-Selecting titles and sections by using disc menu (*)

If the disc contains several titles and sections, you may select the desired one. If the disc contains several tracks/sections, this can be seen by using **Title** and **Section** on the information menu.

1- Recall contents of the disc by **BACK** or **ROOT**. Title menu, if any, of the disc will appear on the screen.

2- Select tracks or titles by using **Up/Down** or **Left/Right** buttons
and press **OK** button to activate. Selected title or section will start playing.

(*) If DVD supports

9.4.4-Selecting a title by numeric buttons

1- When **Goto** button is pressed once, **Title** and **Section** will be displayed on the screen; enter the Section or Title you wish by means of numeric buttons and press **OK** button.

2- When **Goto** button is pressed twice, current **Title Time** is displayed on the screen. Enter the Title time you wish to view by means of the numeric buttons and press the **OK** button.

3- When **Goto** button is pressed three times, current **Section Time** is displayed on the screen. Enter the Section time you wish to view by means of the numeric buttons and press the **OK** button.

Thus, you may go to the **Title**, **Section** or **Time** you desire.

9.4.5-Selecting section step by step

1- Press ▶▶ı button to play the next section.

2- Press ı◀◀ button to play the previous section. Playing will start from the selected section.

9.4.6-How to pause playing

Pausing and resuming the playing process Playing of the DVD may be interrupted at any point and then resumed from the same point.

1- Press ■ button only once to pause playing.

2- Press ıı▶ button to resume playing.

9.4.7-Ending playing

Press the ■ button twice to end playing at any point.

9.5-Additional functions during DVD or CD playing

Notes: Sound is muted during "Slow motion" and "Freeze frame" functions. Depending on the disc, some functions may not be selected.

9.5.1-Playing by Fast Forward-Rewind

You may select from among different speeds (**x2**, **x4**, **x8**, **x16**, **x32** forward or backward).
1- Press ıı▶ button during playing.

2- Press ◀◀/▶▶ buttons to select Fast Forward-Rewind speed.

3- Press ıı▶ button to resume playing.

9.5.2-Enlarging image (zoom)

This function enables you to zoom in or zoom out various parts of the picture. Zoom in options are selected in the following order: **2x**, **3x**, **4x** normal size. Zoom out options are selected in **1/2**, **1/3**, **1/4** order.

1- Press **ZOOM** button repeatedly during playing or pause.

2- Move picture selection by **Up/Down** or **Left/Right** buttons.

3- Press **ZOOM** button repeatedly to return to the normal picture.

9.5.3-Changing dubbing language or sound format

Thanks to these settings, you may listen to a dubbing language apart from the default language provided that the DVD offers such alternates.

1- Press **AUDIO** button during playing. Dubbing language will be displayed as **Audio 1/3: Ac 3 5.1 ch English**.

2- Press **AUDIO** button to select the dubbing language you desire. Every time you press the Audio button, all dubbing languages will change one by one.

Note: Changing of the dubbing language can be limited by the structure of the Disc itself. In such a case, setting is often made in the Disc menu.

9.5.4-Selecting and displaying subtitles

If the disc offers subtitles, they may be displayed on your TV screen. If subtitles are available in various languages, you may select the one you prefer.

1- Press **SUBT** button during playing. Subtitle language will be displayed on the screen such as **Subtitle 02/20 Turkish**

2- Press **SUBT** button to select the subtitle language you like. Every time you press the SUBT button, all subtitle languages will change one by one.

Note 1: Select **Off** to deactivate subtitles. Changing the subtitles can be limited by the property of the disc itself. In such a case, setting is often made in the Disc menu.

Note 2: The movies you are going to watch support subtitles in .sub, .psb, .smi, .sami, .srt, .ssa and .txt formats only.

9.5.5-Repeat functions

These functions repeat the part selected in the currently playing section or title (A-B Repeat)

1- Press **A-B** button at the point you wish to replay during playing.

2- Press **A-B** button again at the end of the selection you wish to repeat.

2- The selection you made for repeat function will be displayed continuously.

3- Press **A-B** button again to end repeat process.

9.5.6-Repeating Section, Title or Disc

These functions repeat the entirety of the current Section, Title or DVD which is playing.

1- Press **REPEAT** button during playing. The section will be repeated by the label **Section** on the screen.

2- Press **REPEAT** button twice during playing. The title will be repeated and the **Title** label will appear on the screen.

3- Press **REPEAT** button three times during playing. The entire disc will be repeated and the **All** label will appear on the screen.
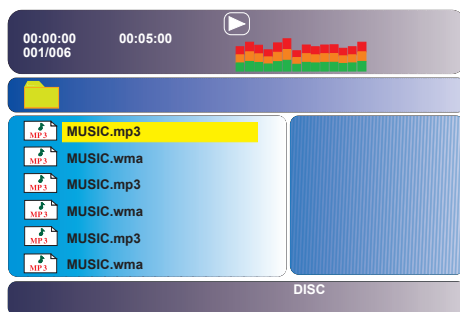
4- Press **REPEAT** button again to end repeat process.

9.6-Playing Other Discs

9.6.1-Using MP3 CDs

1- After the disc is inserted and the MP3 CD is read, the contents menu of the disc will be displayed.

2- You may select the desired track by **up/down** buttons and start the track by pressing **OK** or **II►** button.

3- Press **II►** button to pause playing.

4- Press **II►** button to resume playing process.

5- Press **■** button to stop playing.

Note: You can only listen to the music files in .mp3, and .wma music formats. Music formats other than .mp3 and .wma are not supported.

9.6.1.1-Selecting a certain track by numeric buttons

1-Enter the location of the track you like by means of the numeric buttons and press the **OK** button to confirm. Selected track will start playing.

9.6.1.2-Selecting tracks step by step

1- Press ►►I button to select the next track during playing.

2- Press I◄◄ button to select the previous track. Playing will start from the selected track.
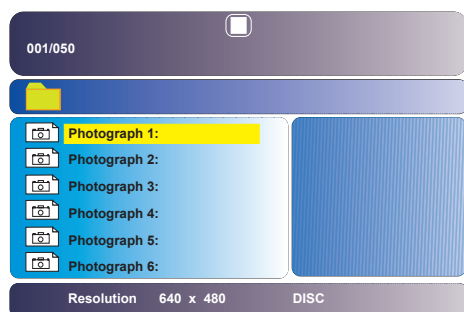
9.6.2-Using JPEG CDs

1- After the disc is inserted, the JPEG CD is read and the contents menu of the disc will be displayed.

2- Select the desired folder or track by **Up/Down** buttons and press **OK** button to play.

4- Press II► button to pause playing process.

5- Press II► button to resume playing


```
001/050                        ▢

 📁
 📷  Photograph 1:
 📷  Photograph 2:
 📷  Photograph 3:
 📷  Photograph 4:
 📷  Photograph 5:
 📷  Photograph 6:

 Resolution   640 x 480        DISC
```

process.

6- Press ■ button to stop playing.

Note: You can only display the image files in .jpeg picture format. Picture formats other than .jpeg are not supported.

9.6.2.1-Enlarging image (Zoom)

This function enables you to enlarge some parts of the picture and to move them on the screen. Zoom in options are selected in **100%**, **125%**, **150%, 200%** order. Zoom out options are selected in **100%**, **75%**, **50%** order.

1- Press **ZOOM** button repeatedly during playing.

2- Move picture selection by **Up/Down** or **Left/Right** buttons.

3- Press **ZOOM** button to return to the normal picture.

9.6.3-Repeating Section, Title or Disc in JPEG, MP3, MUSIC and VCD discs

These functions repeat the entirety of the current Section, Title or **JPEG**, **MP3**, **MUSIC**, **VCD** which is playing.

1- Press **REPEAT** button during playing. Every time you press the **REPEAT** button, you may select one of the repeat options you desire, namely **Random**, **Single Track**, **Repeat Single**, **Repeat All** and **Repeat Off**.

Random: When this option is selected, the track will be selected and repeated Randomly.

Single Track: When this option is selected, the same track will be repeated continuously.

Repeat Single: When this option is selected, only the selected track will be repeated once.

Repeat All: When this option is selected, all tracks in the disc will be repeated one by one.

Repeat Off: Turns off repeat option.

Note: You may have your 8 cm discs which you had shot by your video camera device read directly by your DVD device.
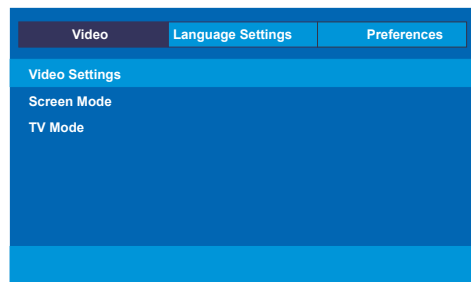
9.7-Settings menu

Press **Setup** button on your remote controller while in DVD Mode to display the Settings menu.
In this menu, you can make settings

related to Video, Language Settings and Preferences.

9.7.1-Video Settings

This menu includes Screen Mode functions.

Video	Language Settings	Preferences
Video Settings		
Screen Mode		
TV Mode		

9.7.1.1-Screen Mode

Select the broadcasting system you are going to watch by Screen Mode function.

9.7.1.2-TV Mode

With this feature, you may change the picture format of the films you are watching as Normal/Ps, Normal/Lb and Wide Screen.

Note: You may set the desired picture format from the Picture menu in DVD mode.

9.7.2-Language Settings

Select the OSD Language tab in the Language Settings menu and press **OK** button. Select the desired language by using **up/down** movement buttons from the displayed screen and press the **OK** button. In DVD Mode, all the DVD setting indicators will be displayed in the language you have selected.

9.7.3-Preferences

This menu includes **Angle Info**, **Factory Setting**, **Last Memory**, **Content Level** and **Password** features.

9.7.3.1-Angle Info

This feature, if DVD supports, is used for films containing screens shot from different camera angles. This feature allows you to view the film from different angles. To activate Angle Info function, highlight Angle Info in the Preferences menu, select **On** and press **OK** button.

9.7.3.2-Factory Settings

You can switch back to Factory Settings with this feature.

9.7.3.3-Last Memory

Last Memory feature allows the Disc resume playing when you switch to DVD mode. To activate Last Memory function, set Last Memory to **On** and press **OK** button.

9.7.3.4-Content Level

This feature is designed to prevent watching the movies above the age limit. It works only for movies which have content level feature or at certain scenes of the movie. Select one of the 8 options to activate Content Level and press **OK** button. Password screen will be displayed. The default password is set as "0000". When you enter the password, Content Level feature will be activated.

9.7.3.5-Password

With the password feature you can change your Content Level password according to your personal preference. The default password is set as "0000" at the factory. To change your password, highlight the Password menu and press **OK** button. Enter respectively your Old Password, New Password and your New Password again to approve in the displayed screen and press **OK** button to confirm. Password changing process is thus completed.

9.7.3.6-DRC (Dynamic Range Compression)

DRC function keeps the volume at a certain level in DVD mode. Set DRC to **ON** and press **OK** button to enable the DRC function.

10 USB Mode

In USB mode, you can view the **Photos** and **Movie** files and listen to the **Music** tracks that you loaded to the USB Devices.

To switch to the USB Mode press the **AV** button on your remote control when USB memory is connected. Select **USB** tab by pressing the **Up/Down** movement buttons press the **OK** button. USB Mode screen will be displayed.
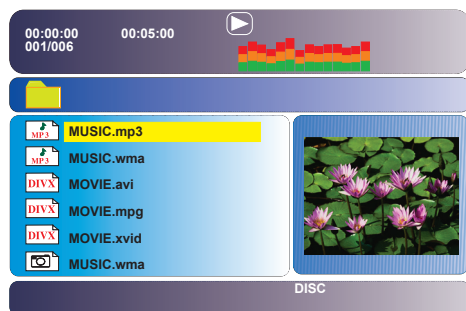
A list of the **Photo**, **Movie** and **Film** files that you had loaded to your USB device will be displayed on this screen. When you remove your USB device from your television, **NO USB** will appear on the screen. When you reconnect your USB device to your television, **USB IN** will appear on the screen. To access the contents of your USB device, you must press **AV** button again to switch to USB mode.

Note 1: You must not disconnect the USB Device from the TV while a file on the USB Device is being read by the TV.
Note 2: USB output supports 500 mA current in accordance with the USB standard. Therefore, when an external hard disk is connected to the USB input, this hard disk must be supplied by an external power supply.
Note3: Since some of the USB flash memory are thick, we recommend you to be careful to avoid damaging the disk when you want to insert a disk into the DVD driver while there is already an USB Flash memory inserted to the product.

10.1-Displaying the image files

In USB mode you can view pictures which you had loaded on the USB Devices. To view the pictures you had loaded on the USB devices, select the desired image file by using **up/down** buttons in the Main Menu and press **OK** or **II▶** button. The picture you have selected will be displayed. You can switch between the pictures by using **I◄◄ /▶▶I** buttons.

Note: In the Picture folder you can only display the image files in .jpeg format. Picture formats other than .jpeg are not supported.

10.2-Playing the music files

You can listen to all music that you have loaded to the USB Devices in USB mode. To listen to the tracks which you had loaded on the USB Devices, select the music file you wish to listen by using **up/down** buttons in the Main Menu and press **OK** or **II▶** button. The track you have selected will start playing. You can switch between the tracks by using **I◄◄ /▶▶I** skip buttons.

Note: You can only listen to the music files in .mp3, and .wma formats in the music folder. Music formats other than .mp3 and .wma are not supported.

10.3-Displaying the movie files

You can watch the movies that you have loaded to the USB Devices in USB mode. To watch the movies which you had loaded on the USB Devices, select the movie file you wish to watch by using **up/down** buttons in the Main Menu and press **OK** or **II▶** button. The movie you have selected will start to be shown. You can switch between the movies you had loaded on your USB device by using **I◄◄ /▶▶I** skip buttons.

Note 1: In Movie folder, you can only view the movie files in divx, .xvid, .avi and .mpg formats. Movie formats other than .xvid, .avi and .mpg are not supported.
Note 2: The movies you are going to watch in the movies folder support subtitles in .sub, .psb, .smi, .sami, .srt, .ssa and .txt formats only.

10.4-Settings menu

Press **Setup** button on your remote controller while in USB Mode to display the Settings menu. In this menu, you can also make settings related to Video, Language Settings and Preferences as in DVD mode.

10.4.1-Video Settings

This menu includes Screen Mode functions.

10.4.1.1-Screen Mode

Select the broadcasting system you are going to watch by Screen Mode function.

10.4.1.2-TV Mode

With this feature, you may change the picture format of the films you are watching as Normal/Ps, Normal/Lb and Wide Screen.

Note: You may set the desired picture format from the Picture menu in DVD mode.

10.4.2-Language Settings

Select the OSD Language tab in the Language Settings menu and press **OK** button. Select the desired language by using **up/down** movement buttons from the displayed screen and press the **OK** button. In USB Mode, all the USB setting indicators will be displayed in the language you have selected.

10.4.3-Preferences

This menu includes **Angle Info**, **Factory Setting**, **Last Memory**, **Content Level** and **Password** features.

10.4.3.1-Angle Info

This feature, if DVD supports, is used for films containing screens shot from different camera angles. This feature allows you to view the film from different angles. To activate Angle Info function, highlight Angle Info in the Preferences menu, select **On** and press **OK** button.

10.4.3.2-Factory Settings

You can switch back to Factory Settings with this feature.

10.4.3.3-Last Memory

Last Memory feature allows the Disc resume playing when you switch to DVD mode. To activate Last Memory function, set Last Memory to **On** and press **OK** button.

10.4.3.4-Content Level

This feature is designed to prevent watching the movies above the age limit. It works only for movies which have content level feature or at certain scenes of the movie. Select one of the 8 options to activate Content Level and press **OK** button. Password screen will be displayed. The default password is set as "0000". When you enter the password, Content Level feature will be activated.

10.4.3.5-Password

With the password feature you can change your Content Level password according to your personal preference. The default password is set as "0000" at the factory. To change your password, highlight the Password menu and press **OK** button. Enter respectively your Old Password, New Password and your New Password again to approve in the displayed screen and press **OK** button to confirm. Password changing process is thus completed.

Notes:

1- In some cases, according to the properties of the files you had stored on your USB devices, loading of them may take a little longer (5 - 10 seconds) when you wish to watch or view the files.

2- File systems supported by the USB devices you connected to the USB port must be FAT and FAT32.

3- Audio files below 32 Khz are not supported.

11 External Equipment Connections:

Your TV is equipped with 7 inputs including antenna input, which allows for the external device connection. These inputs are:

1-Antenna input
2-SCART input
3-AV input
4-VGA / YPBPR input
5- HDMI input
6-USB input
7- CI Slot Input

You can connect your external device supporting the suitable inputs to your TV via these inputs. By pressing the **AV** button on your remote control, select the external source input to which you connected your device.

11.1-Connecting external equipment via Scart connection

Rear view of the TV

or

or

VCR

DECODER

DVD

SATALLITE RECEIVER

GAME CONSOLE
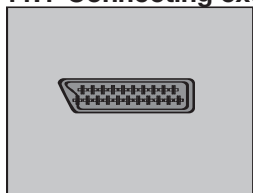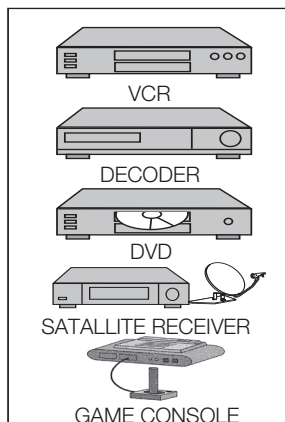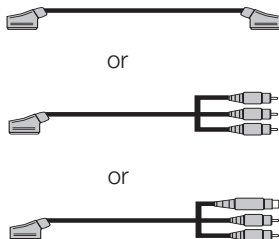
SCART : To watch the picture of the broadcast device connected to SCART, select Scart from the **Source** menu and press **OK** button. (You can watch via this Scart if the connected device has a RGB output).

S-Video: To watch the picture of the broadcast device connected using the **SVHS** input over the SCART input by scart converter, select **SCART-SVHS** option from the Source menu and press **OK** button. Your TV will switch to the selected source.

11.2-Connecting external equipment via AV connection

Side view of the TV

V
L
R

CAMERA

DECODER
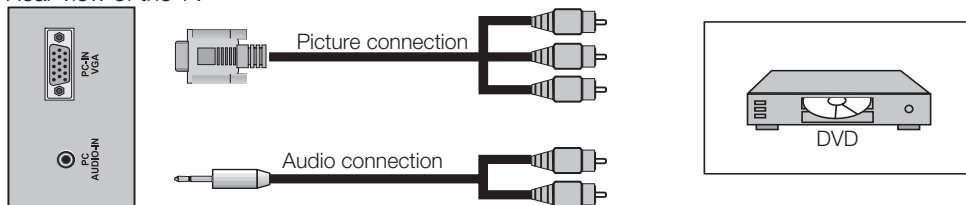
DVD

SATALLITE RECEIVER

GAME CONSOLE
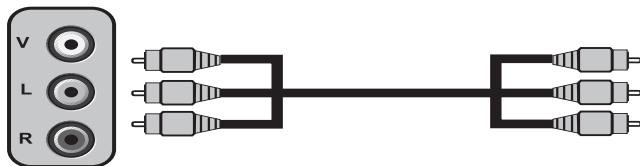
AV : To watch the picture of the broadcast device connected using the RCA (Cinch) input, select **AV** option from the **Source** menu and press **OK** button. Your TV will switch to the selected source.
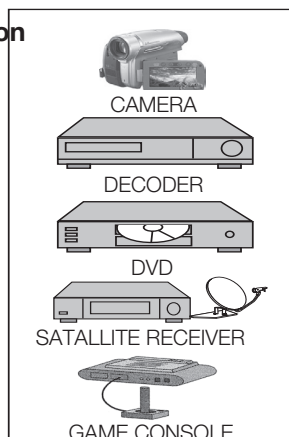
## 11.3-Connecting an external device via YPBPR connection

Rear view of the TV

Picture connection

Audio connection

DVD

YPBPBR (Component Input): When a connection is made via VGA socket with VGA to YPBPR, select **YPBPR** option from the **Source** menu and press the **OK** button to display the picture. Your TV will switch to the selected source.

11.4-Connecting an external device via HDMI connection

Side view of the TV

DVD

SATALLITE RECEIVER

GAME CONSOLE
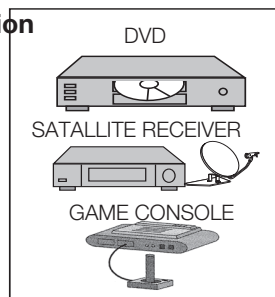
HDMI: When a connection is made via HDMI socket, select the **HDMI** input you connected through from the **Source** menu and press the **OK** button to be able to display these pictures. Your TV will switch to the selected source.

Connect to the HDMI input at the back of your TV by using the connector located on your PC or your digital video-transmission device with a suitable cable (not supplied with the TV).

Note: To be able to watch an image in the HDMI mode, your computer must be equipped with a HDMI graphic card.

You may display the resolution information by pressing the **INFO** button.

11.4.1-HDCP

Your TV supports HDCP feature. To use this feature, you must set up a connection to your TV set's HDMI video port and select HDMI by pressing the **AV** key on your remote control.

NOTE: In HDMI mode; some resolutions are supported when a DVI to HDMI converter cable from a PC is used. Only 16:9 and 4:3 are supported as picture format.

High Definition - HD-READY

Your television can receive high-definition signals (HDTV). You can connect the input sources (HDTV set-top box or HDTV DVD player) to the (HDMI) socket (digital HDTV signal). This ensures that you can view digital HDTV programs, even if they are copy-protected (HDCP High-Definition Copy Protection).

11.5-USB connection

Side view of the TV

USB disc

External hard disk connection

Adaptor

or
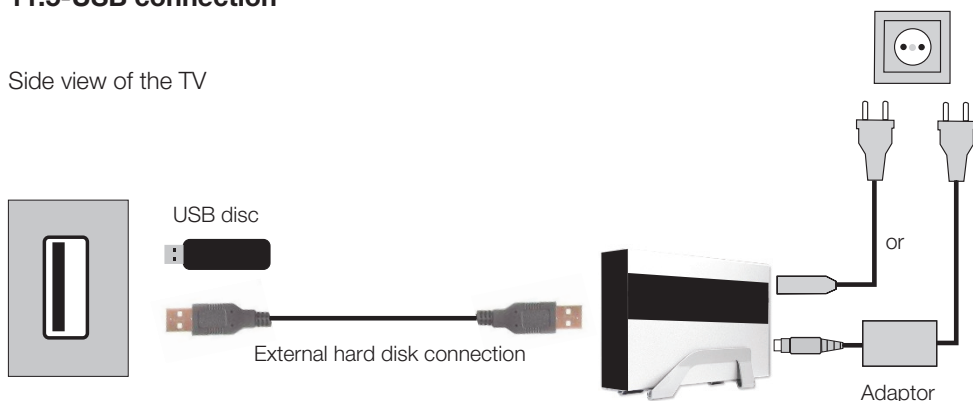
USB: To view the pictures and listen to the music from the USB devices that are connected through the USB port, press **AV** button, select **USB** tab and press **OK** button to switch to USB mode from any source mode when your USB Device is connected to your television.

11.6-PC connection

PC-IN VGA

PC AUDIO-IN

Picture connection

Audio connection

Rear view of the TV
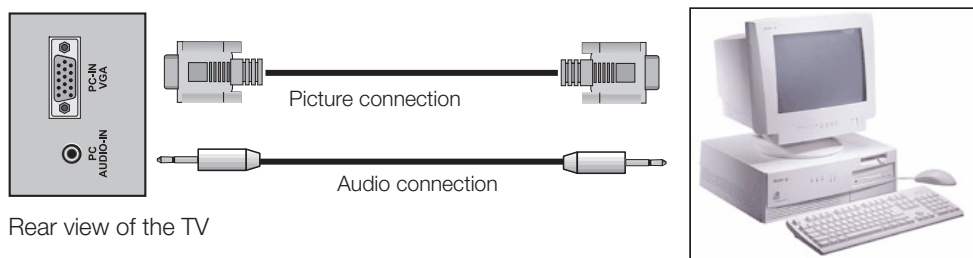
11.6.1-PC Connection:

Connect the D-Sub15 connector to the PC-IN socket at the back of your television by using an appropriate cable (not supplied with your television). Again, by using an appropriate cable, connect the audio output of your PC to the PC AUDIO-IN at the back of your television to listen to sounds from your PC and you can adjust the volume level of your source by using **VOL+/VOL-** buttons.

11.6.2-Transition to the PC mode

For your LCD-TV to switch to the monitor (PC) mode, press the **AV** button on your remote control. **SOURCE** menu will be displayed. Select **PC** by pressing the **Up/Down** movement buttons and press the **OK** button.

11.6.3-PC Access Setting

Enter into the **Setup** menu from the main menu by pressing the **MENU** button in the PC mode. In order to make the necessary settings in this menu, you can select the headings with the **up-down** buttons on your remote control to perform the following monitor-related settings.

11.6.4-AUTOCONFIGURATION

The most suitable geometric settings in accordance with the entry mode are configured by this function. For this operation, just select the **Autoconfiguration** tab and press **OK** button.

11.6.5-HORIZONTAL POSITION: Horizontal position setting.

11.6.6-VERTICAL POSITION: Vertical position setting.

11.6.7-CLOCK FREQUENCY: This is the pixel clock frequency. User can narrow down or enlarge the display by selecting a desired value.

11.6.8-PHASE: Using the **right/left** movement buttons, you can ensure that the colours and shapes are exactly consolidated on the PC image.

11.6.9-PICTURE FORMAT

You can select the PC image to be displayed in 16:9 or 4:3 formats.

12 Help and tips

Failure	Possible cause	Solution
The television does not function	Is the power cord connected to the mains supply?	Check the power cord.
	Is the main power On/Off button on?	Check if the On/Off button is on.
Poor picture quality	Is the antenna cable attached?	Check the antenna cable.
	If you are using a satellite antenna, is it well adjusted?	Have the antenna adjusted.
	Antenna may be affected by two connected external devices.	Try disconnecting one of the devices.
	It may need fine tuning.	Perform fine tuning.
	Picture settings are not correct.	Adjust Brightness, Contrast and Colour.
Shadow and reflection in the picture.	Channel setting	Perform automatic, manual channel setting or fine tuning.
	Antenna	Check antenna cable and system
No picture	Is there any damage on the antenna cable?	Check the antenna cable.
	Are you sure you pressed the correct button on your remote control?	Press the PR+ or PR- button to turn on the TV.
No colour.	Colour intensity level is at the lowest setting.	Lighten the colour.
	Broadcast system setting (if setting choice is available)	Select the broadcast system.
	Problem in channel broadcasting.	Test with another channel.
No or defective teletext	Television channel (no teletext) or antenna system.	Test another channel for fine tuning and shadowy pictures
	Very weak signal	Check the antenna system.
No sound	Temporary sound mute may be on	Try pressing the mute button
	Is the sound turned down?	Turn on the volume with Vol + button.
Remote control does not work	Are the batteries correctly placed?	Place the batteries correctly.
	Are batteries exhausted?	Replace the batteries with new ones.
	Is there any obstacle between the remote control and television?	If yes, remove it.

If your television does not work properly even though you tried the above mentioned solutions, try turning it on and off again. If you cannot start your television even though you have applied all noted methods, refer to the dealer or authorised service from where you purchased the product. Never attempt to repair a faulty device yourself.

13 Technical Specifications Chart

SCREEN SIZE	19"	22"
Panel type	19", 16:9 Active matrix TFT	22", 16:9 Active matrix TFT
Sound output	2x2.5 W	2x3 W
Power consumption	45 W	55 W
Stand by power value	1 W	1 W
Scart input	Standard	Standard
Audio/Video RCA input	Standard	Standard
HDMI input	Standard	Standard
VGA input	Standard	Standard
PC Audio input	Standard	Standard
CI Slot Input	Standard	Standard
USB Input	Standard	Standard
DVD Input	Standard	Standard

General technical specifications

Power supply AC:	220-240V ~ 50-60 Hz
Program memory Analog:	100
Program memory Digital:	1000
RF Aerial input:	75 Ohm (Co-axial)
Sound systems:	Mono / AV Stereo
Batteries:	2xUM - 4, IEC R03 or AAA 1.5V
Channels received:	VHF (Band I Channel 2-4)
	VHF (Band III Channel 5-12)
	UHF (Channel 21-69)
	Cable TV (S1-S20/S21-S41)
Broadcasting systems received:	PAL BG
	PAL SECAM BG
	PAL SECAM BG DK
	PAL SECAM BG LL' (*)
	PAL I

Design and specifications may be changed without prior notification.

Questions? Need some help?

This manual should help you understand your new product. If you have questions, call our customer service number found on the insert with this icon:

Or visit www.polaroid.com.

20081010