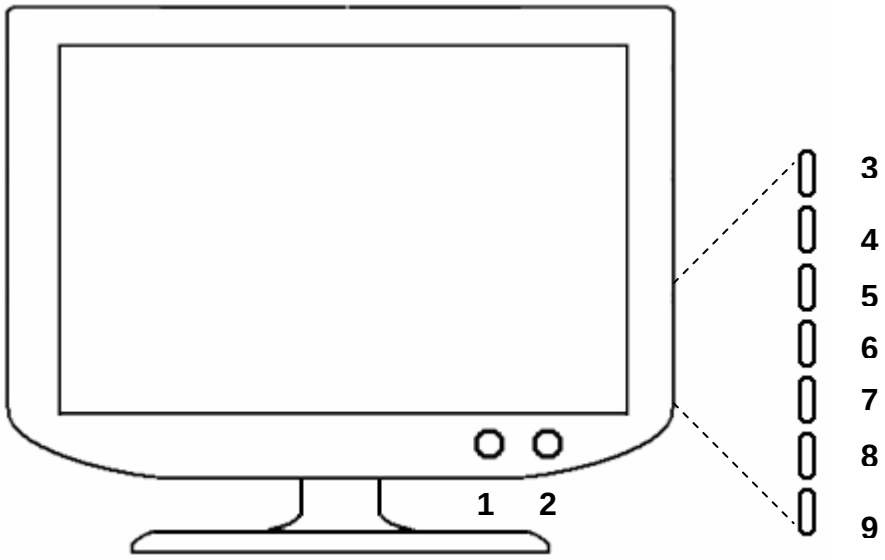
**Thank you for purchasing this television.**
**To ensure your complete understanding, please read this manual thoroughly before operation.**

| **SPECIFICATIONS** | | | |
|---|---|---|---|
| TV Type | 19” LCD TV | 20” LCD TV | 22” LCD TV |
| Display Resolution | 1440x900 | 800x600 | 13660x768 |
| Viewing Angle | 170° (H), 160° (V) | | |
| Brightness | 300 cd/$m^2$ | 450 cd/$m^2$ | 400 cd/$m^2$ |
| Display color | 16.2 million | 16.7 million | 16.7 million |
| Response Time | 6 msec | 8 msec | 5 msec |
| Lamp life time | >60,000 Hours minimum | >50,000 Hours minimum | >50,000 Hours minimum |
| Colour System | PAL / SECAM.<br>BG / I / L / L’ / DK.<br>NTSC (3.58 & 4.43) only for AV inputs | | |
| Channel coverage | VHF – 2 -12 | | |
| | UHF 21-69 | | |
| | CATV – X ~Z+2, S1~S41 | | |
| Nominal input voltage | 100-240 V~ 50/60 Hz | | |
| Antenna input Impedance | 75 Ohms unbalanced | | |
| Power consumption | 50 W | 60 W | 65 W |
| Audio output (Rated output | 2 X 3 W (+/- 1W) (RMS) | | |
| Accessories | Remote handset<br>User Guide book.<br>Power cord | | |
| This receiver supports only free to air channels | | | |
| **Note:** **All specifications are subject to change without notice.** | | | |

**NAMES AND FUNCTIONS OF CONTROLS- Front / Back**




**1** LED Indicator

**2** Remote Sensor

**3** Volume Up

**4** Volume Down

**5** Channel Up (CH+)

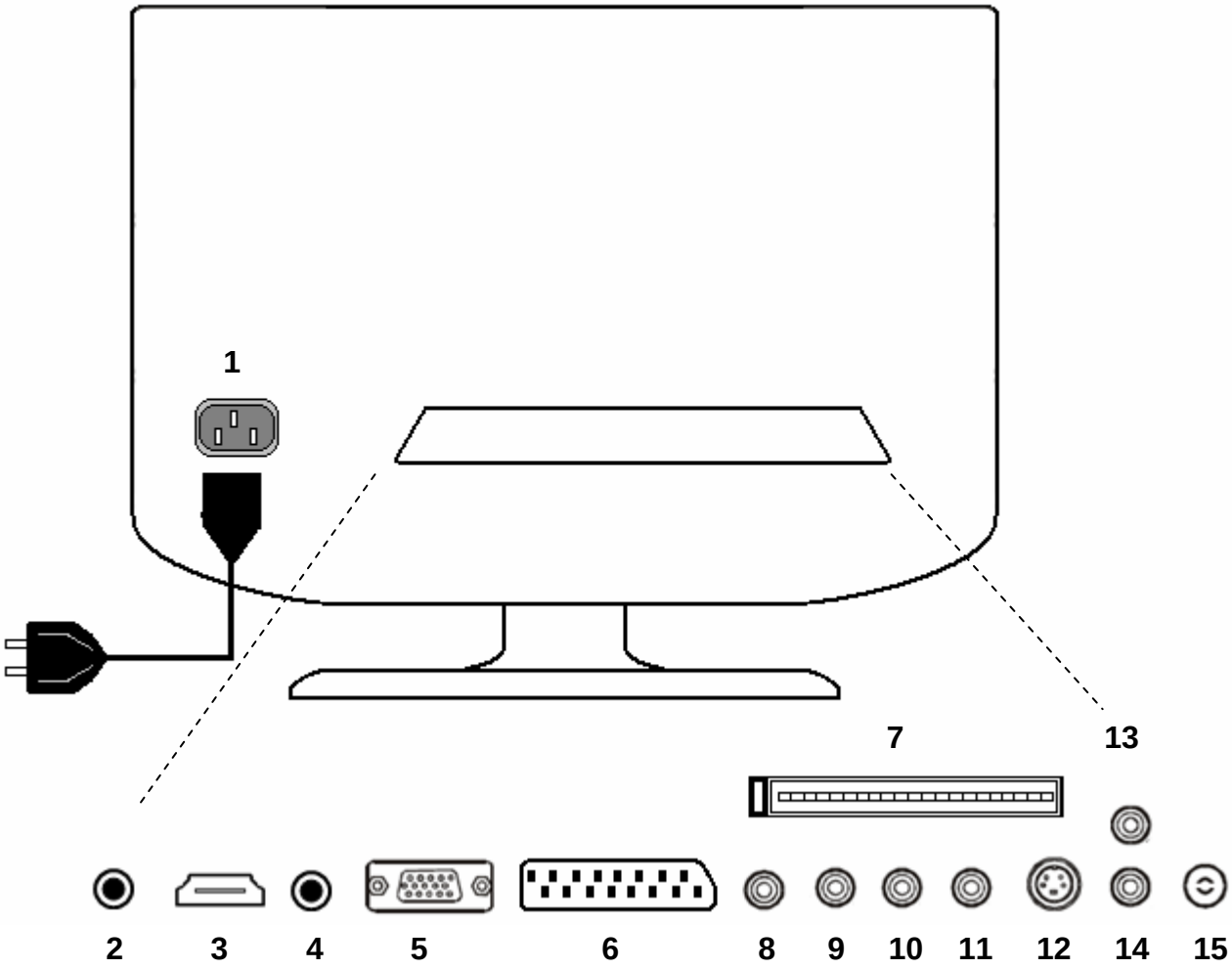
**6** Channel Down (CH-)

**7** MENU

**8** Source

**9** Stand-by / ON

These figures are just for reference.



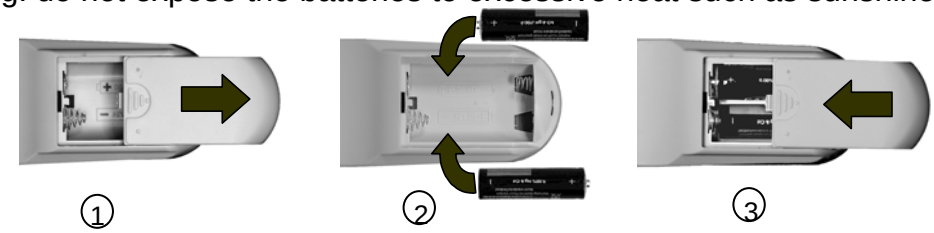

These figures are just for reference.

| | |
|---|---|
| **1** | AC Power cord socket |
| **2** | Headphone |
| **3** | HDMI socket |
| **4** | VGA Audio In |
| **5** | VGA In |
| **6** | SCART socket |
| **7** | CI slot (common interface) |
| **8** | Video in |
| **9** | Component Pr/Cr |
| **10** | Component Pb/Cb |
| **11** | Component Y |
| **12** | S-Video IN |
| **13** | Audio In L (Video/S-Video)-Left- |
| **14** | Audio In R (Video / S-Video)-Right- |
| **15** | RF Input |

## BATTERY INSTALLATION AND REPLACEMENT FOR REMOTE CONTROL UNIT

The remote control uses two 1.5V batteries. For battery installation and replacement follow the procedure:

1. Turn the remote control unit upside down. Press down the grip of battery compartment and slide the cover in the direction of the arrow.
2. Install two new batteries. Make sure that battery polarity matches with the "+", "-" marks inside the battery compartment or else it could damage the unit.
3. Close the battery compartment cover.
   - Do not throw away the used batteries together with other wastes
   - Throw them into the special dustbin for used batteries or special wastes
   - Contact your local responsible for further details
4. Warning: do not expose the batteries to excessive heat such as sunshine, fire or like that.



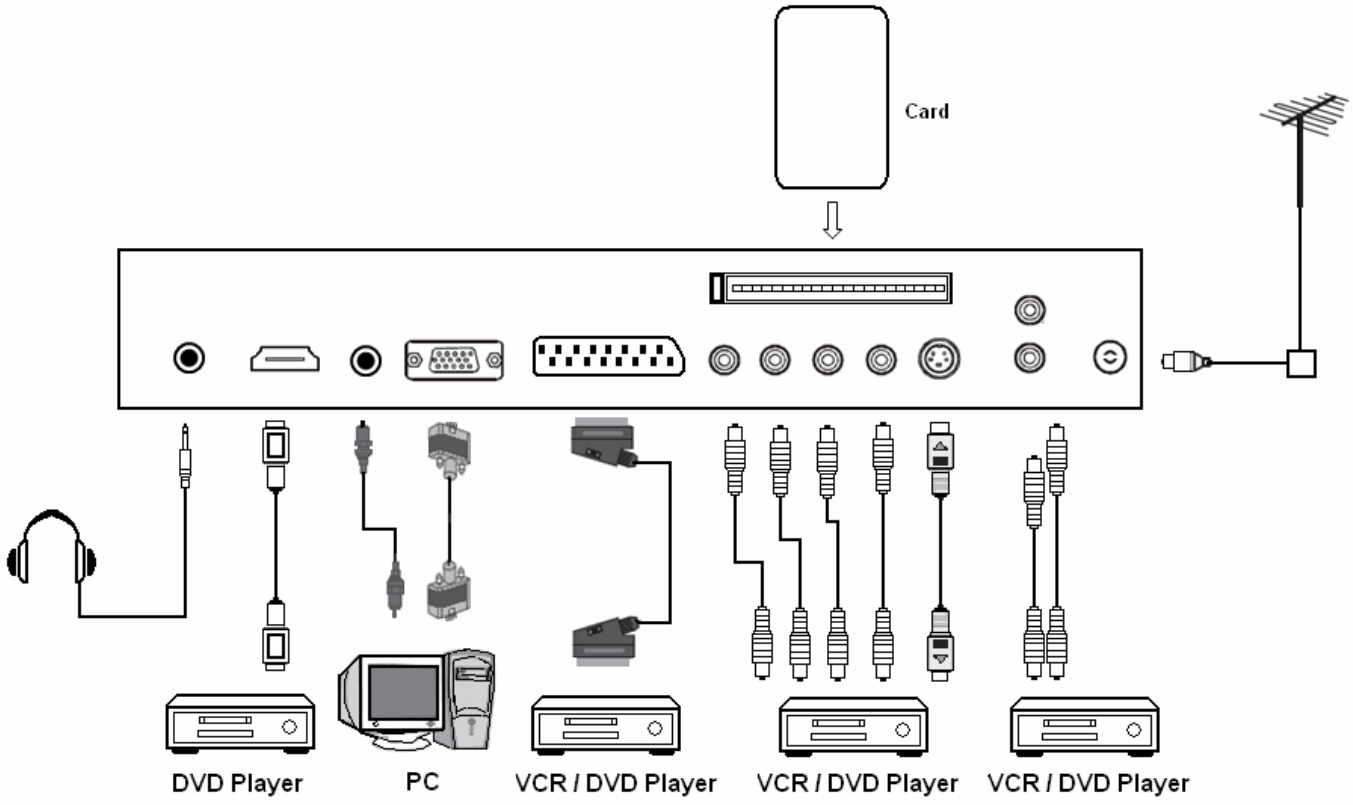

These figures are just for reference.

## TELEVISION INSTALLATION

***- Connect antenna or video facility.***

You can connect antenna, external equipment such as VCR, Camcorder, DVD player and PC to your set. Whenever you connect an external device to your TV, make sure that power on the unit is turned off.

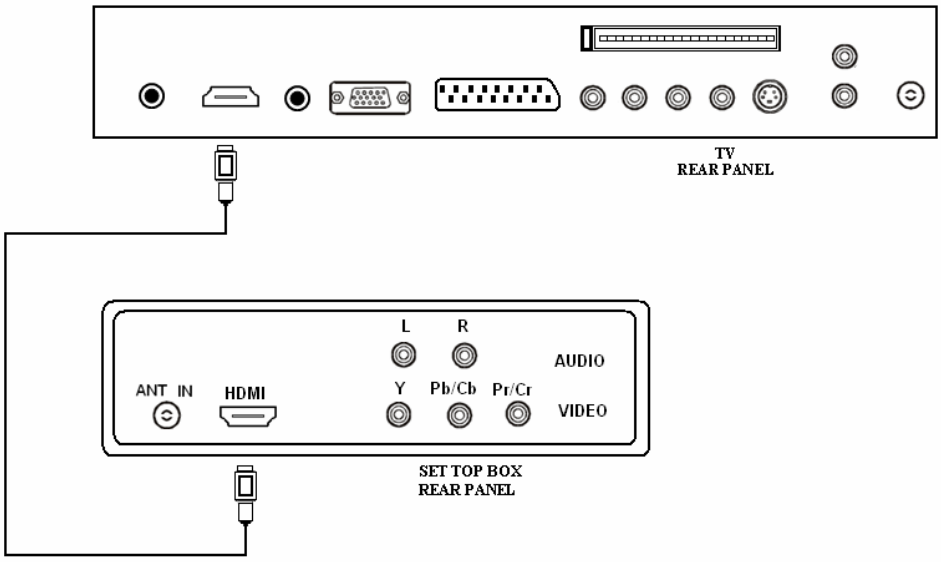
When connecting an external device, match the colour of the connection terminal to the cable. Examples are shown below



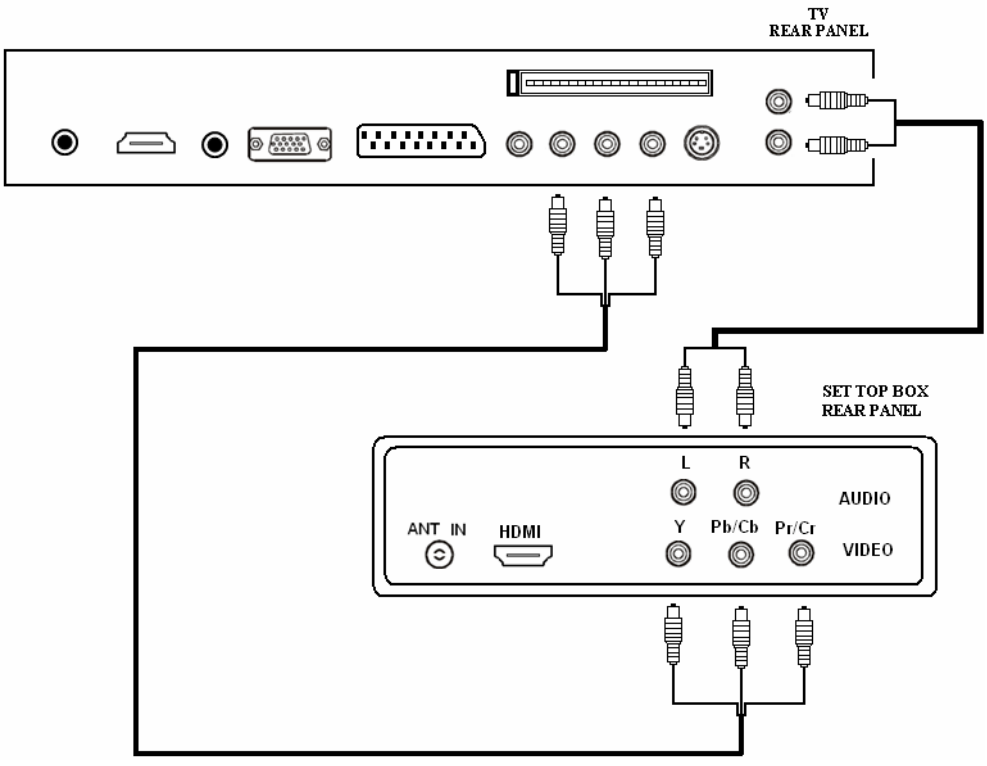

These figures are just for reference

- ***Connections cable box/satellite receiver (set-top box)***

Connecting a Set-Top Box via Hdmi
Connect an HDMI Cable jack (not supplied) on the TV and the HDMI jack on the Set-Top Box.
No additional Audio connection is needed for an HDMI to HDMI connection.




Connecting a Set-Top Box via Component Cables
Connect a Component Cable (not supplied) between the COMPONENT IN [Y, PB, PR ] jacks on the TV and the COMPONENT jacks on the Set-Top Box.
Connect Audio Cables (not supplied) between the COMPONENT IN [R-AUDIO-L] jacks on the TV and the AUDIO OUT jacks on the Set-Top Box.




**These figures are just for reference**
- **Each Set-Top Box (Cable Box/Satellite receiver) has a different back panel configuration.**
- **The product colour and shape may vary depending on the model.**

CORRECT DISPOSAL OF THIS PRODUCT (Waste Electrical & Electronic Equipment)
This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.
Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.
This product should not be mixed with other commercial wastes for disposal.

CE This symbol certifies that the product has been manufactured in compliance with the European Standards.

**THE COMPANY RESERVES THE RIGHT TO BRING TECHNOLOGICAL, AESTHETICAL AND DIMENSIONAL CHANGES, FOR PRODUCT IMPROVEMENT OR FOR MANUFACTURING NEEDS, WITHOUT NOTICE**.

GB

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## 1. WARNINGS AND SAFETY PRECAUTIONS

- You can use this TV set as a colour television or as a PC monitor.
- To be able to make use of all application options, we recommend that you should read this operating manual carefully and keep it somewhere where you have quick access to it, if required.
- Do not touch any parts in the set and do not make changes to any settings not described in this operating manual.
- The LCD screen is a high-tech product; any non-active red, blue or green spots that might appear on the screen occasionally have no effect on the performance of the screen.

***Warning :***

**FOR SAFE OPERATION OF THE TV SET, THE CUSTOMER MUST MAINTAIN MINIMUM 5CM DISTANCE EACH FROM BACKSIDE AND SURROUNDING WALLS**

- To prevent damage to the TV which may result in a fire or electrical shock hazard, do not expose the TV set to rain or excessive moisture.
- Do not rub or strike the Active matrix LCD with any thing hard as this may scratch, or damage the active matrix LCD permanently.
- For safety, do not place vessels or any container which contain fluids including water, on or near the TV.
- Do not insert any objects in the ventilation slots.
- Despite the high quality of the television, a random disturbances or interference my cause occasional malfunctioning, in this case the correct function of the apparatus can be restored by switching Off the TV trough the main On/Off button, or removing the main plug, then switches On again as soon as the LED light disappears.
- The LCD TV must be connected to mains socket having a protected earth connection
- The earthing must be installed by a qualified electrician. If proper earthing is not provided then there is a possibility of electrical shock.
- Do not connect earthing to water pipes, gas pipe, telephone lines lightening rods.
- Sources of Flame such as lighted candle must not be placed on the TV.

***Precautions When Displaying a Still Image:***

- A still image may cause permanent damage to the TV screen.
- Do not display a still image on the LCD panel for more than 2 hours as it can cause screen image retention.
- This image retention is also known as "screen burn".
- To avoid such image retention, reduce the degree of brightness and contrast of the screen when displaying a still image.
- Watching the LCD TV in 4:3 format for a long period of time may leave traces of borders displayed on the left, right and centre of the screen caused by the difference of light emission on the screen.
- Playing a DVD or a game console may cause a similar effect to the screen. Damages caused by the above effect are not covered by the Warranty.
- Displaying still images from Video games and PC for longer than a certain period of time may produce partial after-images. To prevent this effect, reduce the ‘brightness’ and ‘contrast’ when

displaying still images.

***Service :***

- Do not remove the back cover of the set as this can expose you to very high voltage and other hazards.
- If the set does not operate properly, unplug it and call service person.
- If the TV is broken, do not try to repair it your self. Contact an authorized dealer or repair service..

***Antenna:***

- For the best reception an outdoor antenna should be used.
- For proper operation / performance of the TV set it is recommended to use RF Cable (antenna cable) with Ferrite Filter at both the ends.

***Location:***

- Position the set so that no bright light or sunlight falls directly on to the scre en. Reflections on the screen affect the picture quality.
- Soft and indirect lighting is recommended for comfortable viewing. Care should be taken not to expose the set to any unnecessary vibration, moisture, dust or heat.
- Adequate ventilation is essential to prevent set failure.
- Do not place the TV set in a built-in-installation such as a bookcase or rack. Ventilation required.
- Ensure that the set is placed in a position to allow a free flow of air. Do not cover ventilation opening on the back cover. Do not place the set in an enclosure or very close to walls.
- Avoid excessively warm locations to prevent possible damages to the set. Place the television on a solid and flat surface.

***Cleaning:***

- For safety, remove the AC plug from the wall outlet before cleaning the set. Clean the dust on set by wiping the screen and the cabinet with a soft, clean cloth. If the screen requires additional cleaning, use a clean, damp cloth.
- Do not use liquid cleaners or aerosol cleaners or liquid containing benzol, petroleum or a chemicals.

***Power :***

- Do not allow anything to rest upon or roll over the power cord, and do not place the set where the power cord is subject to damage.
- Remove the AC plug from the wall outlet when the TV set is not used for a prolonged period of time.
- In the event of thunder storms or power cuts please remove the mains power plug and the aerial plug.
- Unplug the set in case of abnormal operation i.e. smoke, odd sound or smells.
- Use the mains power cord provided for connecting TV to the mains.

***Caution:***

- No warranty claims are accepted for damage caused by incorrect handling. This TV Set is designed to receive and display video and audio signals and for use as PC monitor. Any other use is prohibited.

## 2. BASIC OPERATIONS

***Switching On and Off***

1. Connect the antenna cable to the socket marked ANT IN on the back cover.
2. Plug the mains lead into an appropriate socket. Use AC 100~240V power outlet for the TV power supply
3. The standby indicator lights up on your set.
4. Press the [Power] key on Remote Control Unit to turn the TV on.
   You also can press the [Stand by] key on TV set.

5. The programme that you were watching last is reselected automatically.
6. Press the numeric key (0~9) or channel up/down key on the remote control or key on your TV set.
7. If you want to shut off the TV temporary, please press the [Power] key on the remote control or on the TV. If you want to shut off the TV completely, unplug the main power socket.

***Auto shut off function***

- In TV or AV mode, if there is no signal input over 15 minutes, the unit will automatically switch to standby mode.
- In PC mode, if the unit is idle over 15 minutes, it will switch to standby mode.

***Pre-shut off memory***

- The setting and tuning of picture and sound will be saved when the TV is shut off, which will be working in the pre-shut off state when the TV is turn on again.

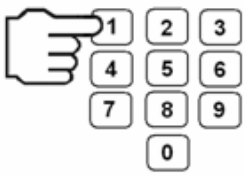
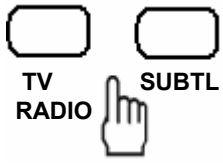
***Storing Channels Automatically.***

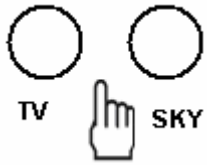
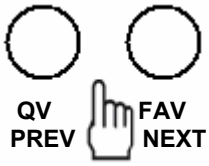
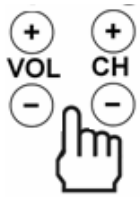
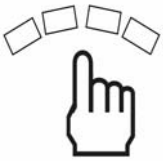
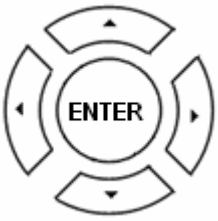
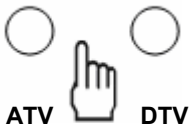
You can scan for the frequency ranges available to you (and availability depends on your country). Automatically allocated programme numbers may not correspond to actual or desired programme numbers.

However, you can sort numbers manually and clear any channels you do not wish to watch.

1. Press the [ATV MENU] key to display the menu.
2. Press the [▲▼] keys to select " TUNE " menu, then press the [ENTER] key.
3. Select “Country” sub menu and select the appropriate area by pressing the [◄►] keys then press the [ENTER] key to confirm your choice.
4. Press the [▲▼] keys to select “Auto install”, then press the [ENTER] key.
5. The TV will begin memorizing all of the available channels.
6. Press the [MENU] key at any time to interrupt the memorization process and return to the “TV” menu.

## 3. NAMES AND FUNCTION OF CONTROLS ON REMOTE

| | |
|---|---|
| | ***POWER***<br>Turns TV ON from STANDBY or from ON to STANDBY |
| | ***MUTE***<br>Turns sound OFF or ON.<br>Press [MUTE] button on remote ones to mute the sound and press again to release the mute. Mute also can be released by pressing Volume Up [V+] key. |
|  | ***DIRECT DIGIT NUMBER SELECTION Keys ( 0 to 9 )***<br>Selects program number 0 – 199 directly by using direct digit keys<br>- To select 1 digit program number press desired program number & wait for few seconds selected program number will appears on screen.<br>- To select 2 digit or 3 digit program number press 1st, 2nd or 3rd digit within 2 sec. After pressing 1 & 2 digit respectively. |
|  | **TV/RADIO:**<br>This button swaps between the current TV channel and the current Radio channel.<br>**SUBTL:**<br>This key allows the end-user to enable or disable subtitling, and to toggle between the subtitle tracks. |

| | |
|---|---|
|  | **TV:** Press this key in order to have this remote control unit as TV remote.<br>**SKY:** Press this key in order to have this remote control unit as Pay-TV remote.<br>Remark:<br>- After pressing the SKY key, they will be active only the keys with the colored writings and the keys MUTE, CH-/CH+ and VOL-/VOL. Now these keys will work over only Pay TV-set top box. Other keys will not work after pressing SKY key<br>- Press TV key again to have this remote control unit as TV remote. |
| | **AUDIO LANG.:**<br>If the current channel has several audio tracks, the **AUDIO LANG.** button allows you to choose between that audio tracks.<br><br>**EPG:**<br>The EPG supplies information, such as program lists, start and end time of all available channel. In addition, the detail information about the program is often available in the EPG. |
|  | ***QUICK VIEW (PREV )***<br>Selects the previously viewed channel.<br><br>***FAV (NEXT)***<br>To select the your favourite list. |
|  | ***VOL + / VOL –***<br>To increase / decrease the volume<br>***CH + / CH –***<br>Navigate Up / Down through the valid channel. |
|  | ***RED, GREEN, YELLOW, CYAN***<br>The RED, GREEN, YELLOW & CYAN keys are used for quick access to color coded pages transmitted by FAST TEXT broadcast. |
|  | ◄ ► Allow you to navigate on the screen menu and adjust system setting<br>▲ ▼ to your preference<br><br>***ENTER***<br>Push this button to select the “Channel List”<br>To execute the functionality of selected parameter. |
|  | ***ATV MENU (Analogical Television ATV)***<br>Selected MENU OSD window for Analogical TV reception.<br>Exit from MENU OSD window when menu window is displayed on screen.<br><br>***DTV MENU (Digital Television DVBT)***<br>Selected MENU OSD window for Digital TV reception.<br>Exit from MENU OSD window when menu window is displayed on screen. |

| | |
|---|---|
| | ***SOURCE SELECTION***<br>Display OSD for source selection.<br>Input source can be selected with [▲/▼] keys & press [►] key on remote to execute the selection.<br>***ZOOM***<br>Each press of this key will change the picture by following factor: 4:3, 16:9<br>NOTE: Zoom key operate only when still picture or video is on screen.<br>***PICTURE →\|P\|←***<br>Recall default picture settings.<br>***SOUND →\|S\|←***<br>Recalls default sound settings.<br>***DISPLAY***<br>Displays source information with details of input signal connected.<br>***I / II – optional feature -***<br>If received signal is NICAM signal, by pressing I/II key sound will be selected as Stereo or Mono.<br>If received signal is NICAM dual signal, sound can be selected as dual I or dual II or mono.<br>***PAGE +***<br>To fast view the next EPG program<br>***PAGE –***<br>To fast view the previous EPG program |
| | ***TEXT, INDEX, CANCEL, SIZE, MIX, SUBPG, REVEAL, HOLD***<br>Use these keys to switch on Teletext information (if current channel have this option).<br>Use EXIT key to switch off Teletext. |

## 4. ATV MENU OPERATIONS

**In this manual the OSD (On Screen Display) may be different from your TV because it is just an example to help the TV operation**.

- **Before to start, please press TV key on remote control in order to have this unit as TV remote and ensure that TV set is in TV mode.**
- **Press [SOURCE] key on remote control unit, press [▲▼] keys to select TV source then press [►] key on remote to enter into TV mode**.
  1. Press [ATV MENU] key to display OSD menu.
  2. Press [▲▼] keys to select the menu required, then press [ENTER] key to select it.
  3. Press [▲▼] and [◄►] keys to select and adjust the functions.
  4. Press [ATV MENU] to confirm.
  5. Press [ATV MENU] to exit.
  6. Without operations, the menu disappears after 15 seconds around.

| **PICTURE MENU** | | | |
|---|---|---|---|
| **Picture Select** | → | **Standard<br>Soft<br>Bright<br>Personal** | Use these functions to Select the Picture mode. |
| **Brightness<br>Contrast<br>Colour<br>Hue<br>Sharpness** | → | **0 - 100** | Use these functions to adjust the video effects.<br><br>*NOTE:*<br>*Hue is available only for NTSC. This function is to adjust tint of picture for NTSC signal* |

| | | | |
|---|---|---|---|
| **Color temperature** | → | **Normal<br>Cool<br>Warm** | Use these functions to select and adjust the video effects<br>Pre programmed settings are available as well as the user setting also available in addition you can also use the PICTURE button on remote control to select various picture settings. |

| **SOUND MENU** | | | |
|---|---|---|---|
| **Sound Mode** | → | **Standard<br>Music<br>Hall<br>Personal** | Use these functions to Select the Sound mode. |
| **Volume<br>Bass<br>Treble<br>Balance** | → | **0 - 100** | Use volume parameter to adjust volume level of sound.<br>Bass and Treble parameter is used to adjust Corresponding low and high frequency level of sound.<br>Balance parameter is used to adjust balance for output sound. |
| **AVL** | → | **ON<br>OFF** | This parameter is used for automatic volume control. If it is "On" then sound volume level is adjusted automatically. In case of distorted audio due to high audio modulation index, make Auto Volume Control "On" |

| **TIMER MENU** | | | |
|---|---|---|---|
| **System Time** | → | - - : - - | Timer clock displays the time set by user as a<br>Current Time |
| **Wake up time** | → | - - : - - | Wake up time will turn the set ON after preset time.<br>*Note:*<br>*This feature will be activated only when the set is in Stand-By mode*. |
| **Wake up Source** | → | - - : - - | Select the wake up source.<br>Set will automatically turn on and switch it into preset source.<br>*Note:*<br>*This feature will be activated only when the set is in Stand-By mode*. |
| **Wake up Channel** | → | - - : - - | If you select ATV source, then select the channel number to turn on the set on that channel. |
| **Power Off time** | → | - - : - - | Power off time will turn the set OFF after preset time. |
| **ATV Remind Time** | → | - - : - - | ATV Remind time will remind you the time. |
| **ATV Remind Channel** | → | - - : - - | Set the channel number and ATV Remind channel will move you on that channel at the time which is set in the ATV remind timer. |

| SETUP MENU | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Language** | → | **English<br>French<br>German<br>Spanish<br>Portouguese<br>Italian<br>Russian<br>Polish<br>Serbian<br>Hungarian<br>Greek<br>Romanian<br>Bulgarian<br>Czech<br>Slovakian<br>Croatian<br>Turkish** | Use this function to select OSD display Language as per requirement. | | | | | |
| **Menu background** | → | **Transparent<br>Opaque** | Use this function to make transparent the OSD menu window. | | | | | |
| **Hotel Mode** | → | **Hotel mode Password**<br>Password is " 0000" by default. | → | **Hotel Mode Enable** | → | **On<br>Off** | Used to activate or deactivate Hotel Mode Feature. | |
| | | | | **Change Password** | You can change the default password as per your desire | → | **New Password - - - -** | |
| | | | | | | | **Confirm Password - - - -** | |
| | | | | **Key Lock** | → | **On<br>Off** | By selecting "On", user can lock the front control key of TV set.<br>*NOTE: Take the TV set in standby to store the selected setting in Panel Key feature.* | |
| | | | | **Source lock** | → | To lock the unwanted source | | |
| | | | → | **Force Video** | → | **ATV,<br>DTV<br>AV<br>S.Video<br>YPbPr<br>SCART<br>HDMI,<br>VGA<br>None** | Source that are set by using "On Source" parameter is selected as default when TV set is switched on from mains supply<br>*-This is effective only if Hotel Mode is "On"-* | |
| | | | | **Force Position** | → | **0-199** | Program number that are set by using "On Program" parameter is selected as default when TV set is switched on from mains supply.<br>*-This is effective only if Hotel Mode is "On"-* | |
| | | | | **Max Volume** | → | **0-100** | Max Volume parameter is used to set the maximum volume level for output sound.<br>*-This is effective only if Hotel Mode is "On"-* | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | **Not install** | → | **On**<br>**Off** | This function can enable or disable the channel Install menu.<br>*-This is effective only if Hotel Mode is "On"-* |
| **Channel Lock** | → | **Channel Lock password**<br>Password is " 0000"<br>by default. | → | **Channel Lock enable** | → | **On**<br>**Off** | To Lock the unwanted channel |
| | | | | **Change Password** | You can change the default password as per your desire → | | **New Password - - - -**<br>**Confirm Password - - - -** |
| | | | | **Program** | → | **0-100** | Select the channel number you want to lock / unlock. |
| | | | | **Locked** | → | **On**<br>**Off** | This function lock / unlock the program selected previously in "Program"function<br>*-This is effective only if Channel lock is "On"-* |
| **TT Language** | → | **West Europe**<br>**East Europe**<br>**Russia**<br>**Arabic** | Teletext Language is used to select teletext language. | | | | |
| **Auto sleep** | → | **0-240 min** | Set sleep timer.<br>*NOTE:*<br>*Sleep Timer is deactivated when set is switch off into stand by or Mains power supply OFF mode.* | | | | |
| **Aspect Ratio** | → | **4:3**<br>**16:9** | Each press of this key will change the picture by following factor: 4:3, 16:9<br>*NOTE: Zoom key operate only when still picture or video is on screen.* | | | | |

| **TUNE MENU** | | | |
|---|---|---|---|
| **Program** | → | This indicates current program number. | |
| **Country** | → | **UnitedKindom**<br>**Croatia**<br>**Czech**<br>**France**<br>**Germany**<br>**Greece**<br>**Hungary**<br>**Ireland**<br>**Italy**<br>**Poland**<br>**Portugal**<br>**Sanmarino**<br>**Slovakia**<br>**Slovenia**<br>**Spain** | Select the country as per your requirement.<br>By selecting Country, TV set will automatically adjust colour and sound system corresponding to that country. |
| **Auto Install** | → | This is Auto Searching Mode that will tune all the channels automatically.<br>Select it to start the auto search. | |

| | | | |
|---|---|---|---|
| **Manual Install** | → | **Manual search** | By Manual Searching channels can be tuned manually, it is only necessary in case of new channel is not stored in Auto Search and you do not want to change the individual order of preset stations. |
| | | **Fine tune** | |
| **Skip** | → | **On**<br>**Off** | You can skip the unwanted channels in this menu, skipped channels will not be selected with (▲/▼) keys on remote or P+/P- keys on TV set but skipped channels can be selected by pressing skipped program number by<br>direct digit number selection keys on remote. |
| **Channel Delete** | → | Go to that channel press manu select channel delete and press right selection key to confirm. (►) | |
| **Colour System** | → | This setting is necessary if the picture is not reproduced Correctly. | |
| **Sound System** | → | This setting is necessary if the sound is not reproduced Correctly. | |
| **Program Swap** | → | **Swap From** | Select the channel number which you want to move. |
| | → | **Swap To** | Select the channel number where you want to move. |
| | → | **Perform Swap** | Press right selection key to confirm. (►) |
| **Channel Name** | → | Use this function if you would assign the name to a program (max 7 char.).<br>Press [▲▼],[◄►]key on remote to write the channel name.<br>Select the characters/numbers by pressing the [▲▼] keys on remote.<br>You can shift by pressing [◄►] key. | |

| **PC Adjust** | | | |
|---|---|---|---|
| - **Connect your PC to TV set trough VGA cable.**<br>- **Press [SOURCE] key on remote control unit and press [▲▼] keys to select VGA source and press [►] key on remote to enter into VGA mode** | | | |
| **Auto Config** | → | **YES**<br>**NO** | Auto Config is for Auto configuration of LCD TV with PC.<br>This automatically sets the H-Position, V-Position, Phase and Clock.<br>If picture is not ok with Auto Adjust then adjust H-Position, V-Position, Phase and Clock to adjust the picture. |
| **Image Position** | → | **VERTICAL**<br>**HORIZONTAL** | |
| **Phase** | → | **0 – 63** | |
| **Clock** | → | **1276 – 1364** | |

## 5. DTV MENU OPERATIONS

**In this manual the OSD (On Screen Display) may be different from your TV because it is just an example to help the TV operation**.

- **Before to start, please ensure that TV set is in DTV mode .**
- **Press [SOURCE] key on remote control unit, press [▲▼] keys to select DTV source then press [►] key on remote to enter into DTV mode**.
  1. Press [DTV MENU] key to display OSD menu.
  2. Press [▲▼] keys to select the menu required, then press [ENTER] key to select it.
  3. Press [▲▼] and [ENTER] keys to select the sub menu.
  4. Press [▲▼] and [◄►] keys to select and adjust the functions.
  5. Press [ENTER] key to confirm, [DTV MENU] key to exit.

| FAVOURITE LISTS | | | | | |
|---|---|---|---|---|---|
| **FAVOURITE LISTS** | → | **Create a Favourite List** | → | **Name Channels** | This screen allows you to create a new favourite channels list with selection criteria. The name of the list is set to **"FAV 1/2"** for TV services and **"RFAV 1/2"** for Radio. |
| | | **Modify a Favourite List** | → | **Radio TV** | This screen allows you to modify a favourite list. The current favourite list name is displayed on the top of the screen. User can modify the channel list by Lock, Skip/Delete, Sort/Move or Skip All/Add All the channels. *NOTE: Channel deleted from the favorite list will also get deleted from the actual list.* |
| | | **Delete a Favourite List** | → | This screen allows you to delete a favourite list. | |

| CONFIGURATION | | | | | |
|---|---|---|---|---|---|
| **Channel Installation** | → | **Auto Installation** | This screen allows you to install channels with two type : New or Add in Auto and Manual Installation. The Installation can be new one or can be an addition to the current installation. | | |
| | | **Manual Installation** | | | |
| **User Settings** | → | **Info languages Audio languages Subtitle languages** | → | **English Gàidhlig Cymraeg** | This screen allows you to customize the TV set. You can set your preferred language (Info, Audio, Subtitle Languages), modify the subtitle display, opacity level and LCN On/Off. |
| | | **Subtitle Display** | → | **On Off** | |
| | | **Opacity level** | → | **Opaque 70%-90%** | |
| | | **LCN** | → | **On Off** | |
| **System Parameters** | → | **Factory Settings** | This acknowledge pop-up allows you to erase all the customize parameters. If it is all services lists and user preferences are deleted and TV set restart as for a "First Time Intsallation". | | |
| | | **Software Upgrade** | The software can be automatically updated with a new release during the standby of the TV set. | | |

| | | | |
|---|---|---|---|
| | | **System Informations** | This screen gives you some information about the TV set ( Device Version and Software Version). |
| **Signal Information** | → | This parameter indiacates channel number, channel frequency and quality of signal in terms of Bit Erroe Rate(BER | |
| **Conditional Access** | → | - Insert Card Adapter into CI slot.<br>- CI-CA will be detected and displayed in the “Multi CI-CA List” menu.<br>- Insert the Card then press [Enter] to enter in the Main menu. | |

| **PARENTAL CONTROL** | | |
|---|---|---|
| **PIN Code**<br>The pin code is “0000” by default. | | |
| **Parental Control** | → | If the Parental Locking is Disabled then all the locking are deactivated. If it is Enable then all the locking are applied according to your choice. |
| **Receiver Lock** | → | If this item is set to YES, each time the TV set turns to running mode, the PIN code has to be input. |
| **Menu Lock** | → | This item allows you to protect the menu screen access and all its sub-screens. |
| **Maturity Level** | → | A parental rating is between 1 to 18 years, is available. In this case all services which are not age limit become unaccessible unless enter the PIN code. This parental depends on the information forwarded or not by the broadcaster. |
| A press on RED button allows you to modify the PIN code from default (“0000”) to any user defined PIN code. | | |

| **HOTEL MODE** | | |
|---|---|---|
| **PIN Code**<br>The pin code is “0000” by default. | | |
| **Hotel Mode** | → | The Hotel Mode Items allows you to enable or disable the Hotel Mode option. |
| **Force Position** | → | This item let you select which program you want to set when first change to DTV. |
| **Not Install** | → | This item can enable or disable the channel Install menu. |
| **Change Password** | → | This parameter used to change the default password (0000) to any user defined password. |

## 6. TROUBLESHOOTING

Before you call the service person, check the following points.
Please bear in mind that malfunctions can also be caused by external devices.

| PROBLEM | POSSIBLE CAUSES |
|---|---|
| No picture, no sound | Mains adapter is not plugged in. |
| | The TV is not switched on. |
| Picture but no sound | Volume is set to minimum or mute. |
| | Incorrect sound system setting. |
| No TV picture | TV is switched to AV. |
| | Antenna is not plugged in. |
| | TV is not installed correctly. |
| Picture has pale colours, is too dark or blurred | Set colour, brightness and contrast. |
| There is no colour on all channels | Antenna cable does not contact adequately. |
| | Antenna cable is broken. |
| | Aerial system is faulty. |
| Bad picture with interference | Tune the affected channels, if necessary, perform fine tuning. |
| No colour on individual channels | |
| No colour | Check the colour system, regulating to the colour system of the country. |
| Snowy picture | Antenna cable does not contact adequately. |
| | Antenna cable is broken. |
| | Aerial system is faulty. |
| Ghosting | Direct the antenna at the station, Verify the cable integrity. |
| Teletext missing or faulty | Station has no teletext. |
| | Weak broadcasting signal. |
| Remote control does not work, or command hasn't action on the TV. | TV is not switched on. |
| | The batteries are flat or inserted incorrectly. |
| | Bright external light is falling on the receiver or remote control signals. |
| | Obstacles between remote control and remote control receiver affect data transmission. |
| | Switch Off the TV trough the main On/Off button, or remove the main plug, then switches On again as soon as the LED light disappears. |
| TV does not respond to commands or images are instable. | Switch Off the TV trough the main On/Off button, or remove the main plug, then switches On again as soon as the LED light disappears. |

## 7. WARRANTY CERTIFICATE

### Guarantee Terms and conditions for the TV set

**Important: keep the original packaging for at least 15 days together with the document indicating proof of purchase.**

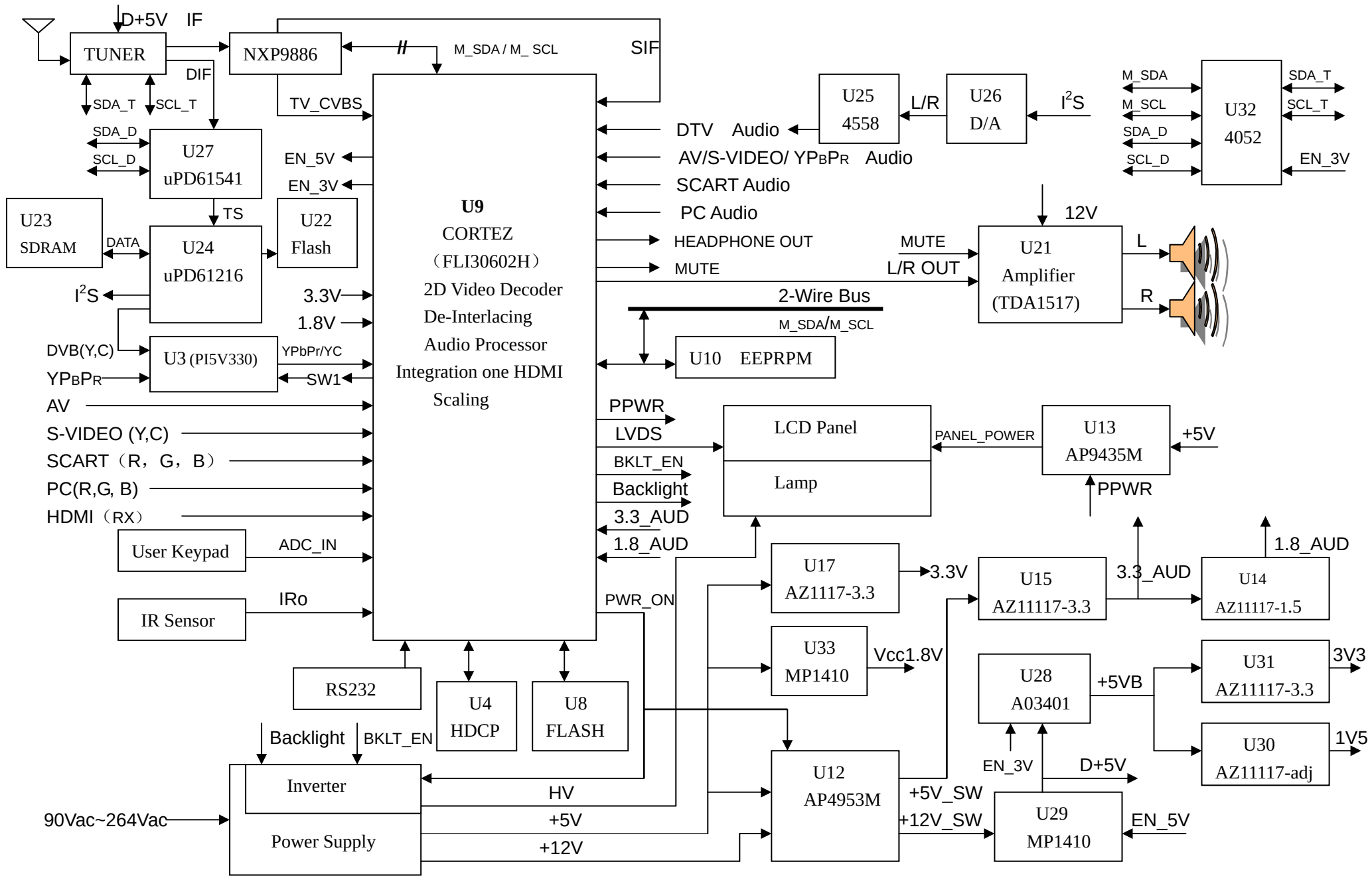
Thank you for purchasing this product.
We are confident you will enjoy using it for many years to come.
The Product warranty is for a period of 24 (twenty four) months from the date of original purchase (date of receipt) against defective materials and workmanship.
If, after reading the instruction book trouble-shooting guide, you believe that there is a technical fault with the product, you should return it to the retailer where you purchase it.
NORDMENDE will comply with the warranty on the same terms and conditions as those normally offered to consumers in that country.
In case of difficulty, details of our authorized Service Department, who will also be pleased to help you with regard to queries concerning the guarantee or the use of your product.

**Warranty Terms And Conditions**

1. This warranty is only valid when accompanied by the original Invoice, sales receipt or confirmation from NORDMENDE of the warranty period. If the serial number is defaced, missing or illegible, the warranty with NORDEMNDE is null and void. In this case you should contact the dealer from whom the product was purchased.
2. NORDMENDE's obligations are limited to the successful repair or, all its discretion, replacement of the product of defective component(s).
3. NORDMENDE invests heavily in its Service Network to ensure all repairs are completed in a speedy and professional manner. For this reason Warranty repairs must be carried out by either the original dealer, or an authorized NORDMENDE dealer or an authorized NORDMENDE Service Centre. The cost of repairs carried out by non-authorised dealer in warranty will not be re-imbursed unless preauthorized by NORDMENDE Service Department. In the event of an unauthorized warranty repair failing, NORDMENDE will not accept liability for the cost of rectification or for any damage caused by such unauthorized repair work.
4. TV set are intended for use in the country where it was sold. NORDMENDE do not therefore accept liability for the cost of adaptation from one television broadcast system to another (eg from PAL-I to PAL BG or SECAM). Should you choose to have this product adapted, the NORDMENDE warranty will not cover and no reimbursement will be made for the adaptation.
5. The NORDMENDE warranty does not cover any of the following actions:

a. Periodic check ups, maintenance and repair of replacement of parts due to normal wear and tear.
b. Cost relating to transport, removal or installation of the product.
c. Misuse, including failure to use the product for its normal purposes or incorrect installation.
d. Damage caused by Lightning, Water, Fire, Acts of God, War, Public Disturbances, incorrect mains voltage, improper or insufficient ventilation or any other cause beyond the reasonable control of NORDMENDE.

6. This warranty is valid for any person who has legally acquired possession of the product during the initial warranty period.
7. The consumer statutory rights in any applicable national legislation whether against the retailer arising from the purchase contract or otherwise are not affected by this warranty. Unless there is national legislation to the contrary, the rights under this warranty are the consumers sole rights and NORDMENDE. Its subsidiaries and distributors shall not be liable for any indirect or consequential loss or damage to records, compact discs, video or audio tapes or any other related equipment, software or material.

**For assistance, please visit www.nordmende.eu**
**☎ After sales helpline number +44 0845 313 1970.**

# LCD TV BLOCK DIAGRAM