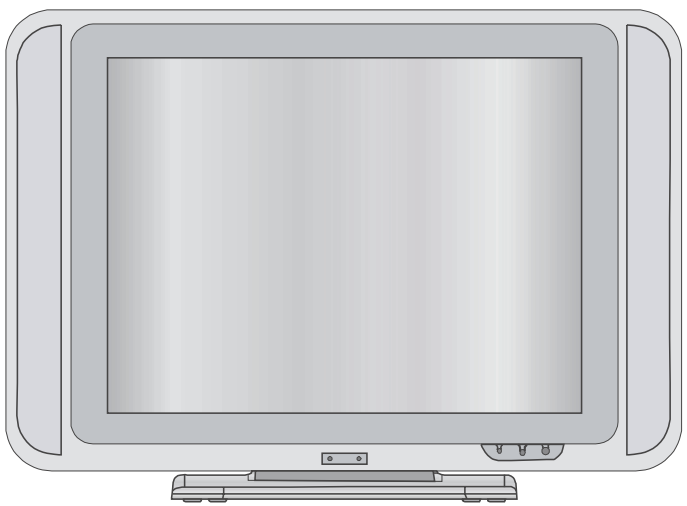
SANYO

INSTRUCTION MANUAL

CE20WLC25-B

ENGLISH
1 - 22

Colour television



Please read this Instruction book before using your television.
We wish you many hours of pleasure from your new television.

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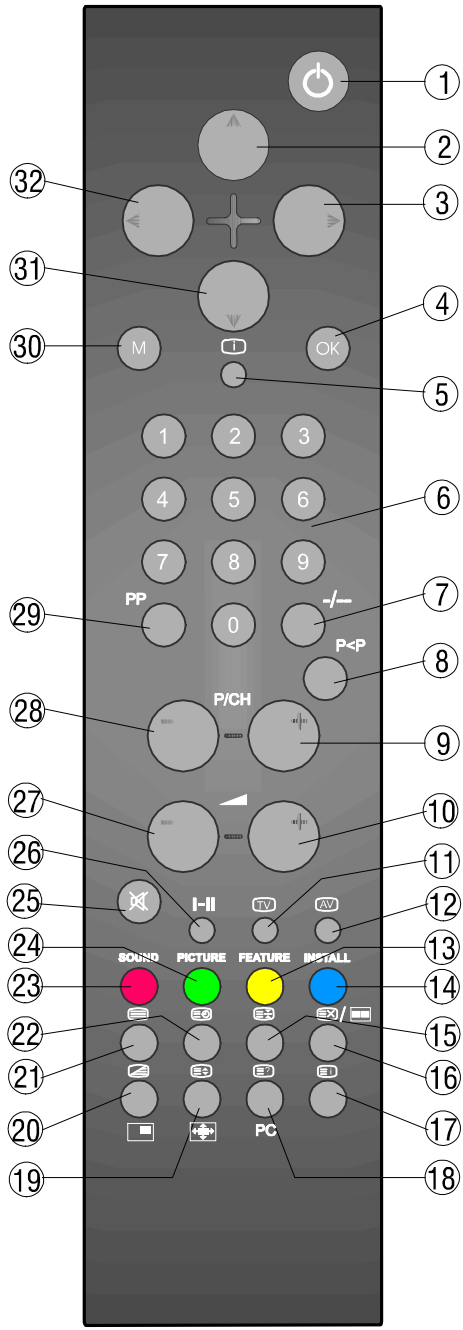
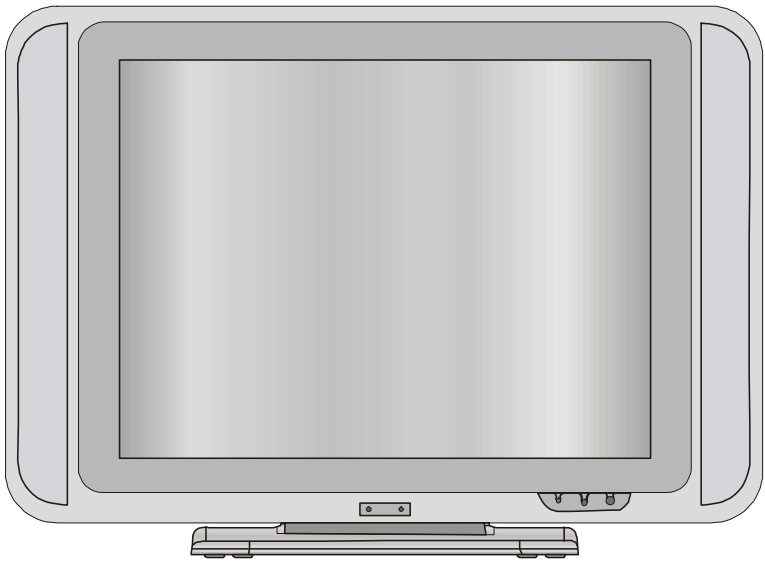
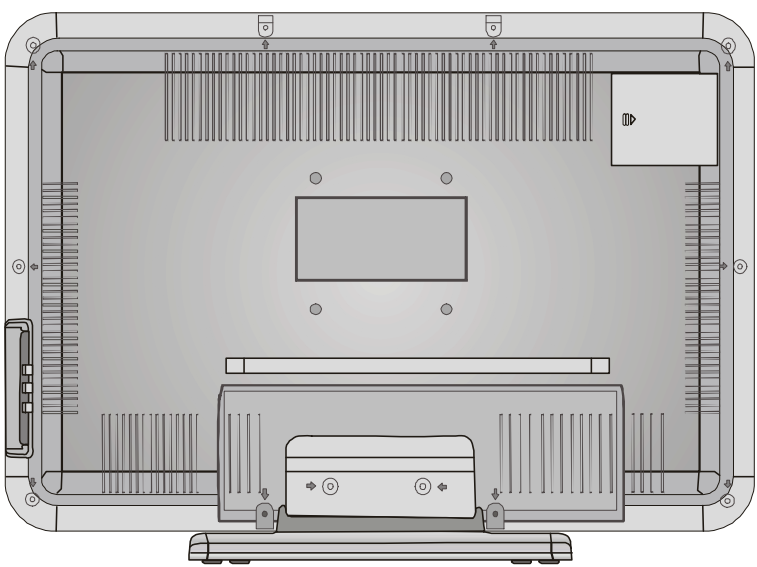
Remote Control Buttons

1. = Stand By
2. △ = Cursor Up
3. ▷ = Cursor Right
4. **OK** = Okay (Store)
5. = Info
6. **0 - 9** = Direct Programme
7. **-/--** = No function
8. P<P =Previous Programme
9. **P/CH +** = Programme Up
10. **+** = Volume Up
11. = TV / Quit Menu
12. = External Source
    (AV-1, RGB-1, AV-2, SVHS)
13. Yellow button
14. Blue button
15. = Hold
16. = Update, = No function
17. = Index Page
18. = Reveal, **PC** = No function
19. = Expand, = Image size
20. = Mix, = No function
21. = Teletext
22. = Time / Subcode page
23. Red button
24. Green button
25. = Mute
26. **I-II** = Mono/Stereo - Dual I-II
27. **-** = Volume Down
28. **- P/CH** = Programme Down
29. PP = Color temperature settings
30. **M** = Menu
31. ▽ = Cursor Down
32. ◁ = Cursor Left



Control Panel Buttons



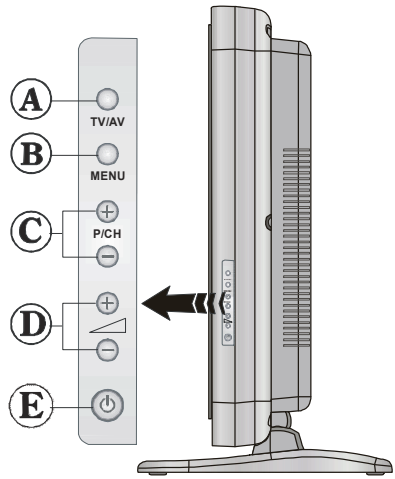


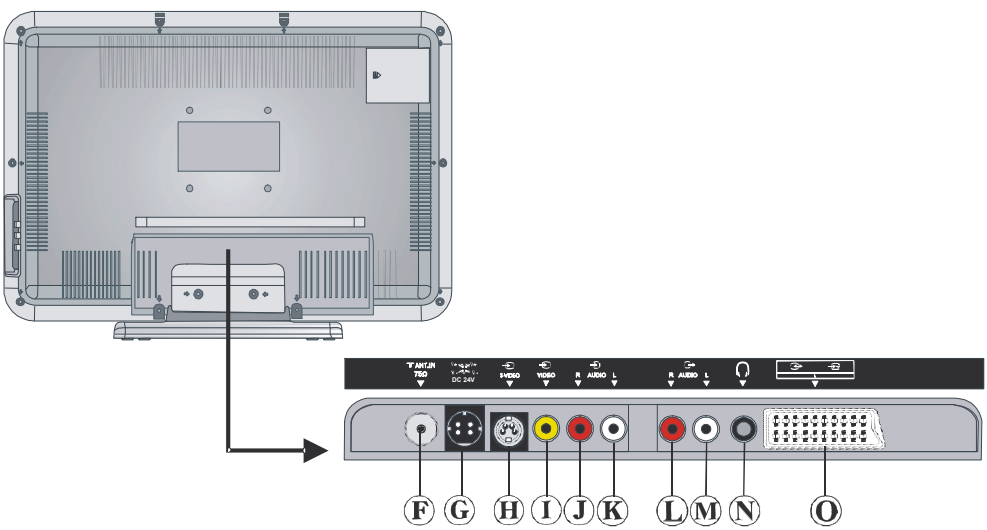
Ⓐ TV/AV button
Ⓑ MENU button
Ⓒ Program Up, Program Down buttons
Ⓓ Volume Up, Volume Down buttons
Ⓔ STAND BY button
Ⓕ ANTENNA
Ⓖ DC 24V

Ⓗ S-VIDEO INPUT
Ⓘ VIDEO INPUT
Ⓙ AUDIO INPUT (R)
Ⓚ AUDIO INPUT (L)

AV-2

Ⓛ LINE OUT (R)
Ⓜ LINE OUT (L)
Ⓝ HEADPHONE
Ⓞ SCART SOCKET (AV-1)

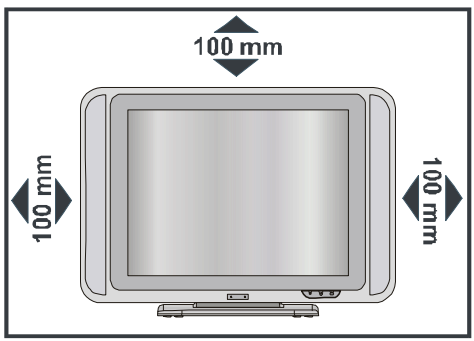




Preparation

Install Display on solid horizontal surface such as a table or desk.

For ventilation, leave a space of at least 10 cm free all around the set. To prevent any fault and unsafe situations, please do not place any objects on top of the set.



Features

- Remote controlled color television.
- 100 programmes from VHF, UHF bands or cable channels can be preset.
- It can tune to cable channels.
- Controlling the TV is very easy by its menu driven system.
- It has an Euroconnector socket for an external device (such as video, video games, audio set, etc.)
- Stereo sound system (German+Nicam).
- Full function Teletext. Fastext.
- Headphone connection.
- Direct channel access.
- A.P.S. (Automatic Programming System).
- All programmes can be named.
- Programme swapping between the last two programmes.
- Forward or backward automatic tuning.
- Sleep timer.
- Child Lock
- Automatic sound mute when no transmission.
- Auto, Fill all and Wide picture modes.
- NTSC Playback.
- BAV in is available.
- SVHS is available.
- AVL (Automatic Volume Limiting)
- When no valid signal is detected, after 5 minutes the TV switches itself automatically to stand-by mode.
- PLL (Frequency Search)

Safety Precautions

1. Power Source

The TV set is designed to operate on **24V** DC. The adaptor should be operated from a **230V AC, 50 Hz.** outlet. Ensure you select the correct voltage setting for your convenience.

2. Power Cord

The power supply cord should be placed so that it is not likely to be walked on or pinched by items placed upon them or against it. Pay particular attention to cord where it enters the plug, power outlet, and the point where it exits from the receiver.

3. Moisture and Water

Do not use this equipment in a humid and damp place (avoid the bathroom, the sink in the kitchen, and near the washing machine). Do not expose this equipment to rain or water, as this may be dangerous and do not place objects filled with liquids on top. Avoid from dripping or splashing.

4. Cleaning

Before cleaning, unplug the receiver from the main supply, outlet. Do not use liquid or aerosol cleaners. Use soft and dry cloth.

5. Ventilation

The slots and openings on the receiver are intended for ventilation and to ensure reliable operation. To prevent overheating, these openings must not be blocked or covered in anyway.

6. Lightning

In case of storm and lightning or when going on holiday, disconnect the power cord from the wall outlet.

7. Replacement Part

When replacement parts are required, be sure the service technician has used replacement parts which are specified by the manufacturer or have the same specifications as the original one. Unauthorised substitutions may result in fire, electrical shock, or other hazards.

8. Servicing

Please refer all servicing to qualified personnel. Do not remove cover as this may result in electric shock.

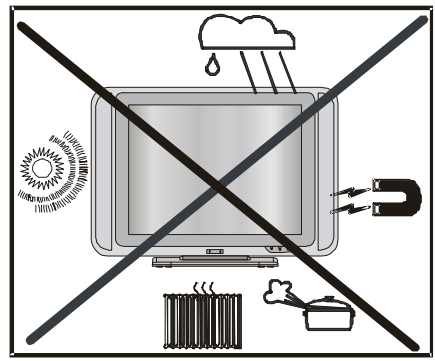
9. Naked Flame Sources

Do not place naked flame sources on the apparatus.

WARNING: *When the device is not in use for a long time, disconnect from power.*

Instructions for waste disposal:

- *Packaging and packaging aids are recyclable and should principally be recycled. Packaging materials, such as foil bag, must be kept away from children.*
- *Battery, including those which is heavy metal-free, should not be disposed of with household waste. Please dispose of used battery in an environmentally sound manner. Find out about the legal regulations which apply in your area.*



“DO NOT LEAVE YOUR TV AT STAND-BY OR OPERATING WHEN YOU LEAVE YOUR HOUSE”

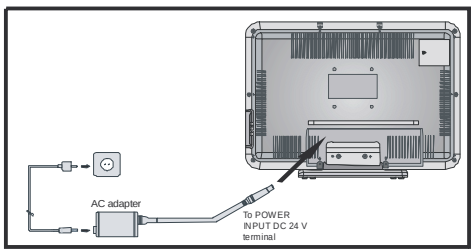
"The LCD panel is very high technology product with about a million thin film transistors, giving you fine picture details. Occasionally, a few non-active pixels may appear on the screen as a fixed point of blue, green or red. Please note that this does not affect the performance of your product."

"The mains plug of the power supply is used as disconnect device and therefore shall remain readily operable."

“DO use the power cord given/supplied by the manufacturer for the AC adaptor of the product”.

Before Switching On Your TV

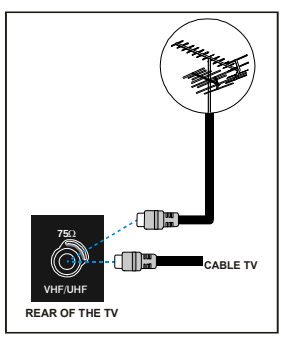
Power Connection



IMPORTANT: The TV set is designed to operate on 24V DC. **For this, an adaptor is used which gives 24V DC voltage. Connect this adaptor to a system that supplies 230V AC, 50 Hz.**

- After unpacking, allow the TV set to reach the ambient room temperature before you connect the set to the mains.

Connections To The RF Input Socket



- Connect the aerial or cable TV plug to the RF input socket located at the rear of the TV and connect the cable plug coming out from the TV out socket located on the devices (VCR, DVB etc.) to this socket as well.

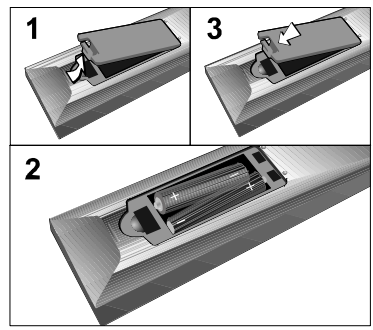
How To Connect Other Devices

IMPORTANT: Switch off the TV before connecting any external device.

Sockets for external connections are at the rear side of the TV. For connection of other devices via Euroconnector refer to the manuals of the related devices.

Inserting Batteries In The Remote Control Handset

- Remove the battery cover located on the back of the handset by gently pulling upwards from the indicated part.
- Insert two AAA (R03) or equivalent type of batteries inside.
- Replace the battery cover.



***NOTE:** Remove the batteries from remote control handset when it is not to be used for a long period.Otherwise it can be damaged due to any leakage of batteries.*

Switching The TV ON/OFF

To switch the TV on:

Your TV will switch on in two steps:

1- Connect the power supply cord to the system. Press the "⏻" button on the right side of the TV. Then the TV switches itself to stand-by mode and the led becomes red located on the front of the TV.

2- To switch on the TV from stand-by mode either:

Press a digit button on the remote control so that a programme number is selected,

or,

Press the "**-P/CH**" or "**P/CH+**"button on the right side of the TV or press the "**-P/CH**" or "**P/CH+**" button on the remote control, so that the last programme switched off is selected.

Either way the TV will switch on and the LED becomes BLUE.

To switch the TV off:

• Press the "⏻" button on the remote control, so the TV will switch to stand-by mode and the **BLUE LED** will become **RED**,

or,

• Press the "⏻" button located on the right side of the TV, so the TV will switch off and the **BLUE LED** will turn off.

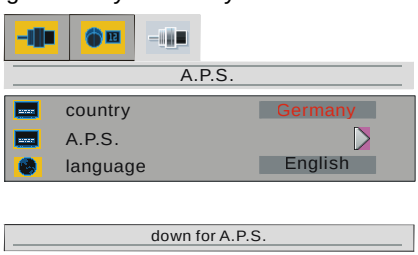
NOTE: To switch the TV off completely remove the mains plug from the socket.

Operating The TV

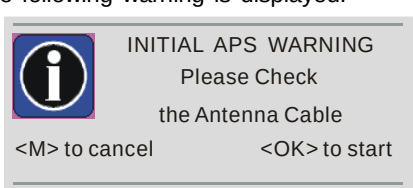
You can operate your TV using both the remote control handset and onset buttons.

Initial A.P.S. (Automatic Programming System)

The following menu will be displayed on the screen when you turn on your TV for the first time. A.P.S., searches and sorts all channels and stores them automatically on your TV, according to the transmission of programme systems in your area.

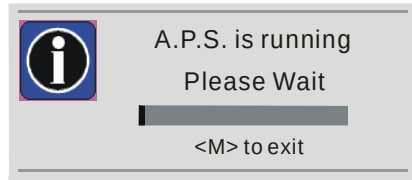


To cancel A.P.S. before starting, press the "TV" button. First of all choose **language** and **country** by using "▲" / "▼" and "◄" / "►" buttons. This, will effect the sort process in A.P.S. To start aps, select **A.P.S.** by using "▲" / "▼" buttons and press the "►" button. The following warning is displayed.



If you want to cancel A.P.S. function, press the "**M**" button.

If "**OK**" button is pressed, A.P.S. starts and the following warning is displayed.



After A.P.S. is finalized, Program Table will be displayed on the screen. In the Program Table you will see the programme numbers and names assigned to the programmes.

Operating with the buttons on the TV set

Volume setting and programme selection can be made by using the buttons at the control panel on the right side of the TV.

Volume Setting

Press the "**-** ◁" button to decrease volume or the "◁ **+**" button to increase volume, so a volume level scale (slider) will be displayed on the screen.

Programme Selecting

Press the "**P/CH +**" button to select the next programme or the "**- P/CH**" button to select the previous programme.

Entering Main Menu

Press "**MENU**" button to enter Main menu. In the Main menu select submenu using "**- P/CH**" or "**P/CH +**" button and enter the sub-menu using "**-** ◁" or "◁ **+**" button.

AV Mode

Press the "**TV / AV**" button at the control panel on the right side of the TV to switch your TV to AV modes.

Operating With Remote Control

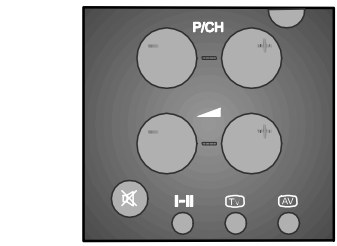
The remote control handset of your TV is designed to control all the functions of the model you selected. The functions will be

described in accordance with the menu system of your TV.

Functions of the menu system are described in Menu System section.

Volume Setting

Press the "◢◤ +" button to increase volume. Press the "- ◢◤" button to decrease volume. A volume level scale (slider) will be displayed on the screen.



Programme Selecting

(Previous or next programme)

- Press the **"- P/CH"** button to select the previous programme.
- Press the **"P/CH +"** button to select the next programme.

Programme Selecting (direct access):

Press digit buttons on the remote control handset to select programmes between 0 and 9. The TV will switch to the selected programme after a short delay.

- For a two digit program number enter the second digit after pressing the first digit within 2 seconds.

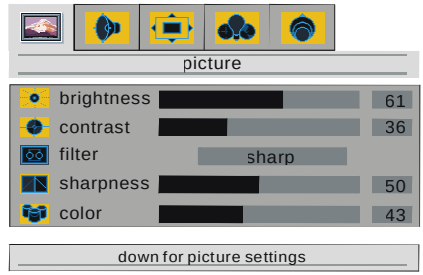
Menu System

Your TV has been designed with a menu system to provide easy manipulation of a **multifunction system. Press the "M" (MENU)** button to enter the menu. The **"M"** button has two functions; opening or closing the menu and closing the submenu and then opening its parent menu.

Press "◄" / "►" button to select a menu title and then "▲" / "▼" button to select a menu item and "◄" / "►" button to enter the menu item. To exit a menu press the "**M**" button.

picture menu

By pressing "◄" / "►" button, select the first icon. Picture menu appears on the screen.



brightness

By pressing "▲" / "▼" button, select **brightness**. Press "►" button to increase brightness. Press "◄" button to decrease brightness. Brightness level can be adjusted between 0 and 100.

contrast

By pressing "▲" / "▼" button, select **contrast**. Press "►" button to increase contrast. Press "◄" button to decrease contrast. Contrast level can be adjusted between 0 and 100.

filter

By pressing "▲" / "▼" button, select **filter**. Press "◄" / "►" button to change filter setting to **normal**, **sharp** or **sharpest**. This function allows user to choose the level of image sharpness that changes the details of picture display.

sharpness

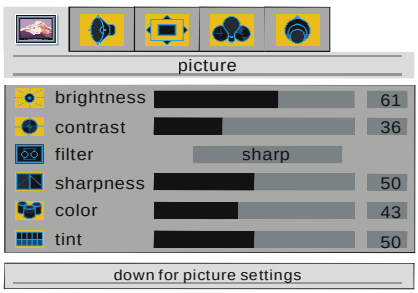
By pressing "▲" / "▼" button, select **sharpness**. Press "►" button to increase sharpness. Press "◄" button to decrease sharpness. Sharpness level can be adjusted between 0 and 100.

color

By pressing "▲" / "▼" button, select **color**. Press "►" button to increase color. Press "◄" button to decrease color. Color level can be adjusted between 0 and 100.

tint (optional)

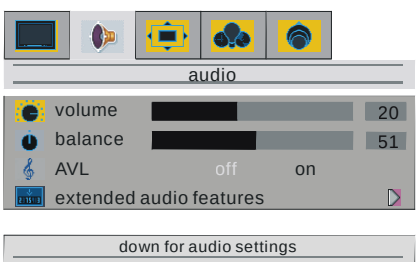
This item is displayed in picture menu when the TV receives an NTSC signal. By pressing "▲" / "▼" button, select **tint**. Press "►" button to increase tint. Press "◄" button to decrease tint. Tint level can be adjusted between 0 and 100.



When the TV is in AV mode; picture menu items (brightness, contrast, sharpness and color) may require re-adjustment.

audio menu

By pressing "◄" / "►" button, select the second icon. Audio menu appears on the screen.



volume

By pressing "▲" / "▼" button, select **volume.** Press "►" button to increase volume level. Press "◄" button to decrease volume level. Volume level can be adjusted between 0 and 50.

balance

By pressing "▲" / "▼" button, select **balance.** Press "►" button to increase balance to the right. Press "◄" button to decrease balance to the left. Balance level can be adjusted between 0 and 100.

AVL

Automatic Volume Level or AVL normalises the audio output level. This is required to compensate variations in sound level during a transmission (e.g. Commercials are normally louder than the rest of the transmission).

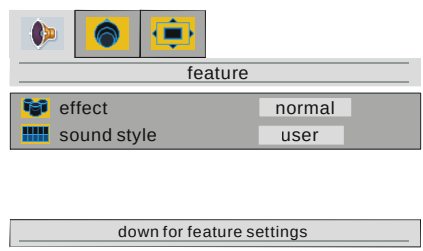
Press "▲" / "▼" button to select **AVL.** By pressing "◄" / "►" button, set AVL **on** to activate it or **off** to deactivate it.

extended audio features

By pressing "▲" / "▼" button, select **extended audio features.** Press "►" button to enter sub-menus. Extended audio features menu has the following sub-menus:

feature menu

By pressing "◄" / "►" button, select the first icon. Feature menu appears on the screen.



effect

This feature turns on or off the surround effect.

By pressing "▲" / "▼" button, select effect. Press "◄" or "►" button to select Normal or Extended.

Extended effect mode is used to get deep sound impression from loudspeakers.

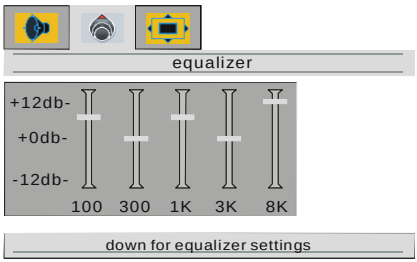
sound style

By pressing "▲" / "▼" button, select **sound** style. Press "◄" or "►" button to change sound style setting. The available styles are: Theatre, Music, Voice and User.

A sound style consists of equalizer settings.

equalizer menu

By pressing "◄" / "►" button, select the second icon. Equalizer menu appears on the screen.

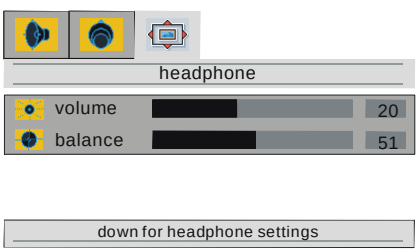


Press "▼" button to select the first frequency band. Press "◄" / "►" button to select the other frequency bands. Selected band can be adjusted by pressing "▲" / "▼" button.

Press "◄" button on the first band to exit the equalizer menu.

headphone menu

By pressing "►" button, select the third icon. Headphone menu appears on the screen.



volume

By pressing "▲" / "▼" button, select **volume.** Press "►" button to increase volume level. Press "◄" button to decrease volume level. Volume level can be adjusted between 0 and 50.

balance

By pressing "▲" / "▼" button, select **balance.** Press "►" button to increase balance to the right. Press "◄" button to decrease balance to the left. Balance level can be adjusted between 0 and 100.

window menu

By pressing "◄" / "►" button, select the third icon. Window menu appears on the screen.

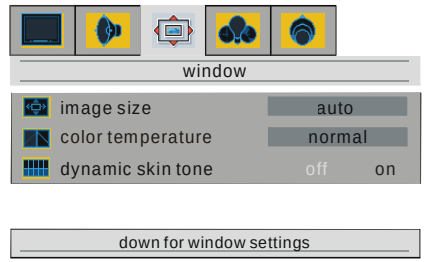


image size

Press "▲" / "▼" button to select **image size.** By pressing "◄" / "►" button, you can **change image size to auto, fill all** and **wide.**

You can enter image size directly by pressing the "" button.

color temperature

You can enter color temperature directly by pressing "**PP**" button.

This feature is used to change the color temperature.

Press "▲" / "▼" button, to select **color temperature.** By pressing "◄" / "►" button, you can select one of these options: **Normal**, **Warm** and **Cool**.

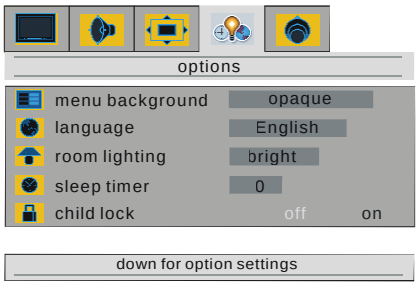
dynamic skin tone

Dynamic skin tone effect corrects the hue of colours that matches to skin tones.

Press "▲" / "▼" button to select **dynamic** skin tone. By pressing "◄" / "►" button, turn skin tone **ON/OFF**.

options menu

By pressing "◄" / "►" button, select the fourth icon. Options menu appears on the screen.



menu background

By pressing "▲" / "▼" button, select **menu** background. You can change menu background to **translucent** or **opaque** by pressing "◄" / "►" button.

language

By pressing "▲" / "▼" button, select **language**. Press "◄" / "►" button to select the menu language you want.

room lighting

Press "▲" / "▼" button to select **room lighting**. By pressing "◄" / "►" button, you can **select one of these options: Normal**, **Bright** and **Movie**.

sleep timer

By pressing "▲" / "▼" button, select **sleep timer.** You can set the sleep time to **0,** 5,10,15,...,115 or **120 minutes** by pressing "◄" / "►" button. The sleep timer is used to turn the TV off after a pre-defined period.

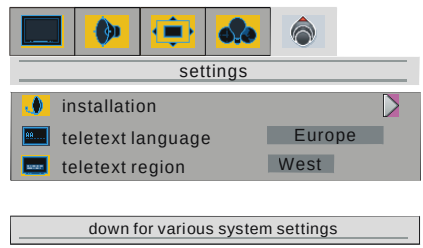
child lock

You can use this feature to prevent children turning the TV on or changing programs or adjustments etc. without remote control.

By pressing "▲" / "▼" button, select child lock**.** The child lock feature can be set to either **on** or **off** by pressing "◄" or "►" button. When **off** is selected, there will be no difference in the operation of your TV. When **on** is selected, the TV can only be controlled by the remote control handset. In this case, the side panel buttons on the TV (except the On/ Off switch) will not work.

settings menu

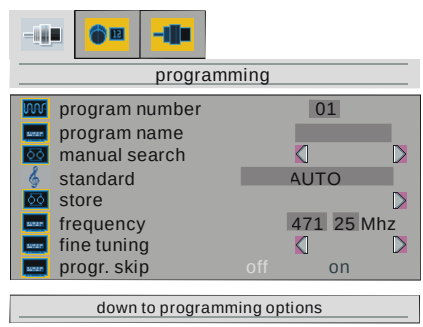
By pressing "◄" / "►" button, select the fifth icon. Settings menu appears on the screen.



Installation menu

By pressing "▲" / "▼" button, select installation and press "►" button. Installation menu appears on the screen.

programming



program number

By pressing "▲" / "▼" button, select **program** number. Press "►" button to select the first or the second digit. Then press digit buttons on remote control to enter the programme number you want. Press "◄" button to exit.

There are 100 program storage between 0 and 99.

program name

By pressing "▲" / "▼" button, select **program** name. Program name has a name string with 5 characters. Press "►" button to select a character and "▲" / "▼" button to change it. After the program name is entered, press "◄" button to exit.

manual search

By pressing "▲" / "▼" button, select **manual** search. Press "◄" or "►" button to start program searching manually. Press "**M**" button to cancel manual search process.

Note: When Standard is selected as Auto, manual search does not find SECAM L/L' channels. Therefore L/L' has to be selected in the Standard menu for SECAM L/L' channels.

standard

Press "▲" / "▼" button to select **standard.** By pressing "◄" / "►" button, you can change the standard to **AUTO, BG, I, DK** or **L/L'**. When **AUTO** is selected, the sound standard is adjusted automatically.

store

Press "▲" / "▼" button to select **store.** By pressing "►" button, you can store the program settings.

You can also store a setting by pressing "**OK**" button on the selected setting.

"STORED" is displayed on screen when a program is stored.

frequency

By pressing "▲" / "▼" button, select **frequency**. Press "►" button to select the first digit and digit buttons on remote control to enter the frequency you want. After the frequency is adjusted, press "◄" button to exit.

fine tuning

By pressing "▲" / "▼" button, select **fine tuning**. Press "◄" / "►" button to change the frequency value.

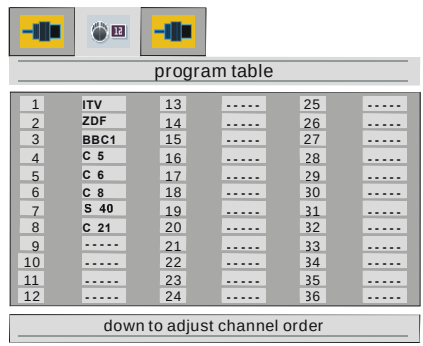
program skip

Use this feature after you run A.P.S. to skip unwanted programs.

By pressing "▲" / "▼" button, select **program skip**. Press "◄" / "►"button to select **on** or **off**. When **on** is selected, current **program cannot be reached by pressing "-P/** CH" or "**P/CH+**" button. But digit button can be used to reach it.

program table

By pressing "◄" / "►" button, select the second icon. Program table appears on the screen.



Program table shows the programme numbers and the names assigned to the programmes.

Here you can adjust the channel order by moving or deleting the channels.

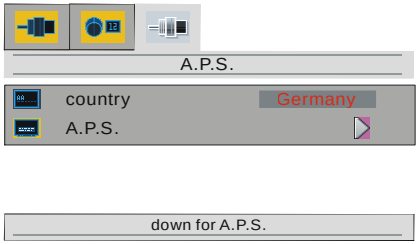
First of all press the "▼" button.

Using the GREEN button you can move a programme into another programme's location. Press the direction buttons to select a programme and press the GREEN button. Then select another programme and press the GREEN button again. The first selected programme moves into the location of the second selected programme.

Using the RED button you can delete any programme you want.

A.P.S. (Auto Programming System)

By pressing "►" button, select the third icon. A.P.S. menu appears on the screen.

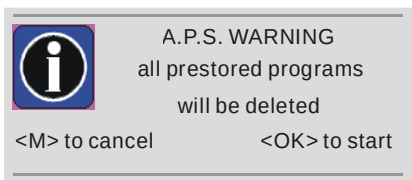


country

By pressing "▲" / "▼" button, select **country.** Press "◄" / "►" button to select the country where you are.

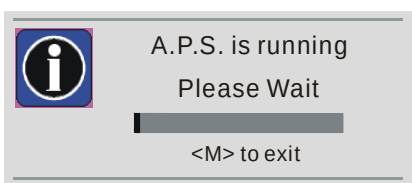
A.P.S.

By pressing "▲" / "▼" button, select **A.P.S.** When "►" button is pressed, the following warning is displayed.



If you want to cancel A.P.S. function, press the "**M**" button.

If "**OK**" button is pressed, A.P.S. starts and the following warning is displayed.



If you press the **"M"** button, A.P.S. function stops and Program table appears on the screen.

If you wait till A.P.S. is finalized, Program table is displayed with the programmes found and located.

teletext language

By pressing "▲" / "▼" button in the Settings menu, select **teletext language.** There are three options to select : Europe, Cyrillic and Greek.

TEXT LANGUAGE	TEXT REGION	LANGUAGE
Cyrillic	East	POLISH GERMAN SLOVENIAN CZECH ROMANIAN
Cyrillic	West	GERMAN RUSSIAN LATVIAN
Greek	East / West	ENGLISH GERMAN ITALIAN FRENCH SLOVENIAN GREEK TURKISH
Europe	East	POLISH GERMAN ESTONIAN SERBIAN CROTIAN CZECH REP./SLOVAK ROMANIAN
	West	GERMAN ENGLISH SWEDISH ITALIAN SPAIN TURKISH PORTUGUESE DUTCH

teletext region (optional)

By pressing "▲" / "▼" button in the Settings menu, select **teletext region.** There are two options to select : West and East.

Other Features

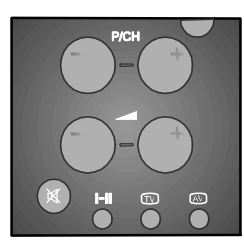
TV Status

Programme Number, **Programme Name** and Sound Indicator are displayed on screen after programme change for 3 seconds.

P 01 Programme Number

PR.01 Programme Name (5 characters)

These OSD's are displayed when a new programme is entered by digit button, by pressing the "**P<P**", "**TV**", "**i**" buttons or the "**-P/CH**" / "**P/CH+**" buttons.



Previous Programme

• Pressing "**P<P**" (Previous Programme) button consecutively allows to swap between the last two programmes.

For example, select programme 8, then select programme 2. Now, if you press the "**P<P**" button, programme 8 will be displayed. If you press the same button again, programme 2 will be displayed and so on.

Sound Indicator

"**I-II**" button is used to select **Mono, Stereo,** Dual I or **Dual II**.

Mono

In **Mono** broadcast or in forced-mono (for stereo broadcast).

Stereo

In **Stereo** broadcast.

Dual I

If dual broadcast detected. **Dual I** is selected in default and also can be selected after **Dual II** by Remote Control.

Dual II

If **Dual II** selected by Remote Control.

Mute Indicator

It is placed in the upper right side of the screen when enabled.

To cancel mute, there are two alternatives, the first one is pressing the "🔇" button, thus the volume is set to the preceding value, and the second one is increasing the volume level, thus it starts from minimum level to increase.

AV Modes

By pressing the "**AV**" button, you can switch your TV to AV modes (except being in Teletext). Pressing this button consecutively will switch the TV in one of the optional AV **modes: AV1, RGB1, AV2** and **SVHS.**

RGB1 mode is supported from AV1.

In order to quit the AV mode press the "**TV**", the digit buttons or the "**-P/CH**" or "**P/CH+**".

Teletext

Teletext is an information system that displays text on your TV screen. Using the Teletext information system you can view a page of information on a subject that is available in the list of contents (index).

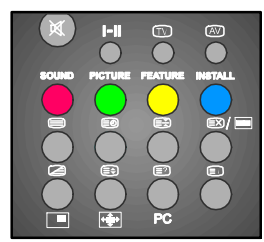
On screen display is not available in text mode.

Contrast, brightness or colour control is not available, but volume control is available in text mode.

To Operate Teletext

• Select a TV station where Teletext is being transmitted.

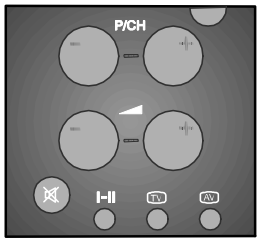
• Press the "▤" button. Usually the list of contents (index) are displayed on the screen.



To Select A Page Of Teletext

• Press the appropriate digit buttons for the required Teletext page number.

The selected page number is displayed in the top left corner of the screen. The Teletext page counter searches until the selected page number is located, the desired page is then displayed on the screen.



- Press the "**P/CH +**" button to move the Teletext screen forward one page at a time.
- Press the "**- P/CH**" button to move the Teletext screen backward one page at a time.

To Select Index Page

- To select the page number of the index (generally page 100), press the "i" button.

To Select Teletext With A TV Programme

- Press the "⧄" button. The text is now superimposed over the programme on the screen.
- Press the "⧄" button again to return to the Teletext page.

To Select Double Height Text

- Press the "⇕" button for the top half of the information page to be displayed in double height text.
- Press the "⇕" button again for the bottom half of the information page to be displayed in double height text.
- Press the "⇕" button once more for the full page of normal height text.

To Reveal "Concealed" Information

- Pressing the "?" button once will reveal answers on a quiz or games page.
- Pressing the "?" button again will conceal the revealed answers.

To Stop Automatic Page Change

The teletext page you have selected may contain more information than what is on the screen; the rest of the information will be displayed after a period of time.

- Press the "⏸" button to stop the automatic page change.
- Press the "⏸" button again to allow the next page to be displayed.

To Select A Subcode Page

Subcode pages are subsections of long Teletext pages that can only be displayed on the screen one section at a time.

- Select the required Teletext page.
- Press the "◷" button.
- Select the required subcode page number by pressing four digit buttons (e.g. 0001).
- If the selected subcode page is not displayed in a short time, press the "✕" button. TV programme will be displayed on the screen.
- Teletext page number will be displayed on the upper left corner of the screen when the selected page is found.
- Press the "✕" button to display the selected Teletext page.

To Exit Teletext

- Press the "TV" button. The screen will switch to TV mode.

To Display The Time

- While watching a TV programme with Teletext transmission press the "◷" button. The current time information, captured from Teletext will be displayed on the screen.
- If the programme being watched does not have Teletext transmission, no information will be displayed.
- Time information is displayed on the screen for 10 seconds. If you want to cancel the display, press the "TV" button.

Fastext

Your TV supports the Fastext Teletext system. When the page number of any of the pages in memory is entered, the system will not search for the requested page; instead it will display the page automatically.

- Press the "**P/CH+**" button to move the Teletext screen forward one page at a time.
- Press the "**-P/CH**" button to move the Teletext screen backward one page at a time.

For Fastext

The subject-heading for the information may have a particular color.

- **Press an appropriate RED**, **GREEN**, **YELLOW** or **BLUE** button in order to reach the relevant page quickly.

For TOP text

TOP text mode of operation will be activated automatically according to the transmission.

- If TOP text transmission is present, color coded buttons will appear in status row.
- If TOP text transmission is not present, status row will not appear.

The subject-heading for information may be located in colored box.

In Top mode the **"-P/CH"** or **"P/CH+"** commands will request the next or previous page respectively. If TOP text transmission is not available, in case of operation of these commands, wraparound occurs. For example page 100 appears to be one greater than page 199.

Connect Peripheral Equipment

There is a wide range of audio and video equipment that can be connected to your TV.

The following connection diagrams show you where the different (Optional) equipment should be connected at the rear side of the TV.

Via The Euroconnector

Your TV has one Euroconnector socket. If you want to connect peripherals (e.g. video, decoder, etc.) which have Euroconnectors to the TV, use SCART input.

If an external device is connected via the Euroconnector socket, the TV will be switched to AV mode automatically. If the external device is connected to SCART input and the signal is RGB1, select RGB1 by pressing the "**AV**" button.

Via Ant Input

If you want to connect to your TV, peripherals like video recorders or decoders, but the device you want to connect does not have Euroconnector, you should connect it to the ANT input of the TV.

If the VCR is connected via antenna input it is suggested to use Programme 0.

Decoder

Cable TV offers you a wide choice of programme. Most of them are free, others are to be paid for by the viewer. This means that you will need to subscribe to the broadcasting organisation whose programmes you wish to receive. This organisation will supply you a corresponding decoder unit to allow the programmes to be unscrambled.

For further information ask your dealer. See also the booklet supplied with your decoder.

Connect a decoder with an aerial socket to the TV

- Connect the aerial cable.

Connect a decoder without an aerial socket to the TV

• Connect the decoder to the TV with a eurocable to **SCART** input.

TV And Video Recorder

• Connect the aerial cables.

Better picture quality can be obtained if you also connect a eurocable to **SCART** socket.

Playback NTSC

To use this option you can;

• Connect an NTSC VCR player to Euroconnector at the rear side of the TV.

or,

• Connect an NTSC VCR player to RCA Jacks at the rear side of the TV.

Then, press the "**AV**" button to select proper source.

Search For And Store The Test Signal Of The Video Recorder

• Unplug the aerial cable from the aerial socket "**ANT**" of your video recorder.

• Switch on your TV and put the video recorder on the test signal. (See the booklet for your video recorder.)

• **Enter the Installation** menu in **settings** menu. Enter the **Programming** menu in **Installation** menu and select **manual search**.

• Search for the test signal of your video recorder in the same way as you searched for and stored the TV signals. Store the test signal under programme number 0.

– Replace the aerial cable in the aerial socket "**ANT**" of your video recorder once you have stored the test signal.

Camera And Camcorder

To Connect To AV-2 Input

Connect your camera or camcorder to AV-2 input at the rear side of the TV.

• **Connect your equipment to the TV via VIDEO** (yellow), **AUDIO R** (red) and **AUDIO L** (white) inputs. You must connect the jacks to the input using the same color.

To Connect To S-VHS Input

Connect your camera or camcorder S-VHS input at the rear side of the TV.

• Connect your equipment to the TV via S-VHS input and audio inputs of AV-2 inputs by using S-VHS cables.

Connect The Decoder To The Video Recorder

Some video recorders have a special euroconnector for decoder.

• Connect a eurocable to the euroconnector of your decoder and to the special euroconnector of your video recorder. Refer to the booklet of your video recorder.

• To connect your video recorder to the TV, refer to the TV and Video Recorder section.

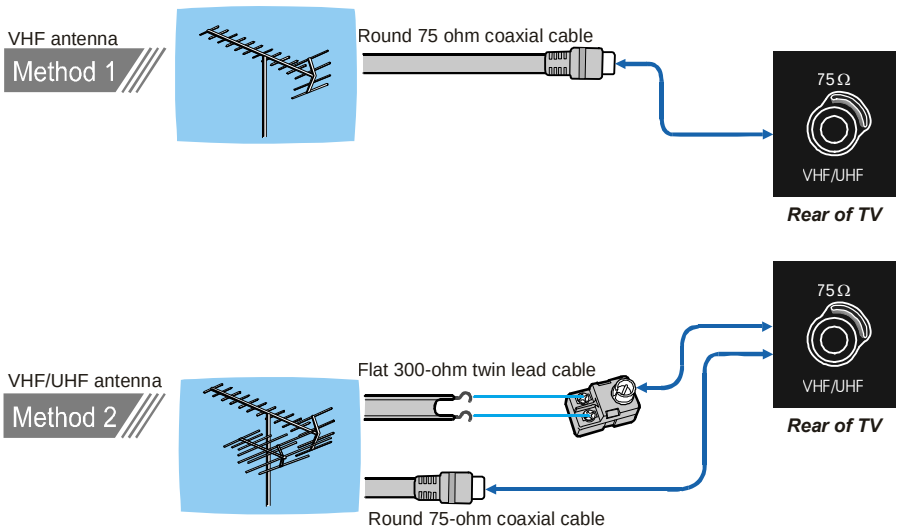
If you want to connect more equipments to your TV, consult your dealer.

Connecting Headphones

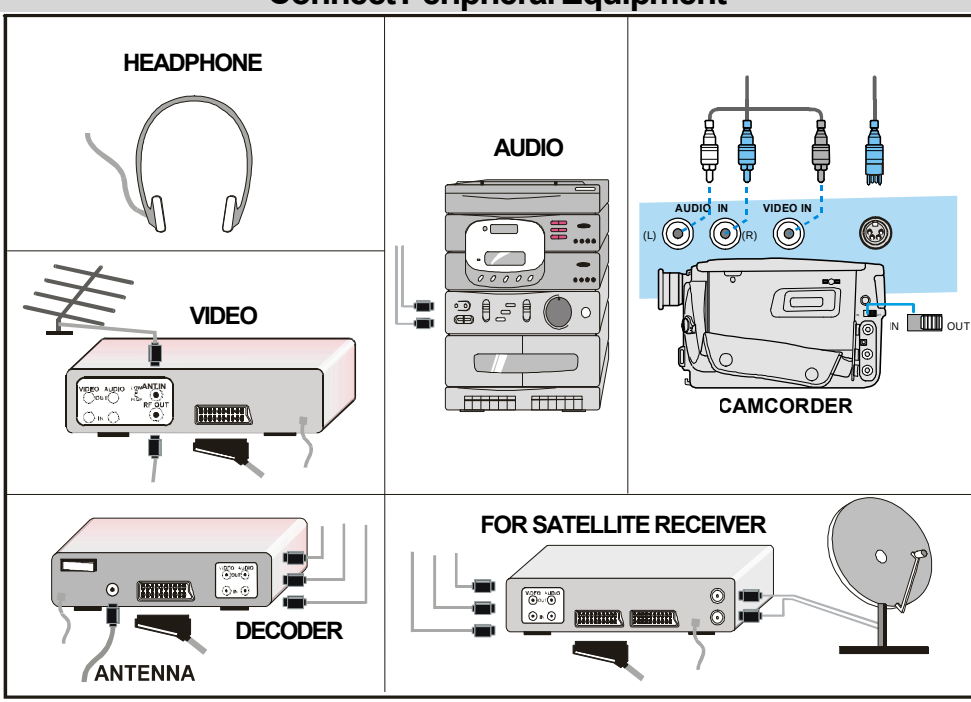
Use the stereo headphone socket at the rear side of the TV to connect headphones.

Antenna Connections

Outdoor Antenna Connections



Connect Peripheral Equipment



Tips

Care Of The Screen

Clean the screen with a slightly damp, soft cloth. Do not use abrasive solvents as they may damage the TV screen coating layer.

Poor Picture

Have you selected the correct TV system? Is your TV set or house aerial located too close to the loudspeakers, non-earthed audio equipment or neon lights, etc.?

Mountains or high buildings can cause double pictures or ghost images. Sometimes you can improve the picture quality by changing the direction of the aerial.

Is the picture or Teletext unrecognisable? Check if you have entered the correct frequency.

The picture quality may degrade when two peripherals are connected to the TV at the same time. In such a case, disconnect one of the peripherals.

No Picture

Is the aerial connected properly? Are the plugs connected tightly to the aerial socket? Is the aerial cable damaged? Are suitable plugs used to connect the aerial? If you are in doubt, consult your dealer.

No Picture means that your TV is not receiving any transmission. Have you pressed the correct buttons on the remote control? Try once more.

Sound

You can not hear any sound. Did you perhaps interrupt the sound, pressing the "🔇" button? Are external speakers connected to the TV?

Sound is coming from only one of the speakers. Is the balance set to one direction extreme? See **audio** menu.

Remote Control

Your TV no longer responds to the remote control. Press the "TV" button on the remote control once more. Perhaps the batteries are exhausted. If so you can still use the local buttons at the top of the TV.

Have you selected the wrong menu? Press the "TV" button to return to TV mode or press the "**M**" button to return to the previous menu.

No solution:

Switch your TV set off and on. If this does not work, call the service personnel; never attempt to repair it yourself.

Specifications

TV BROADCASTING
PAL SECAM B/G D/K K' I/I' L/L'

RECEIVING CHANNELS
VHF (BAND I/III)
UHF (BAND U)
HYPERBAND
CABLE TV (S1-S20/ S21-S41)

NUMBER OF PRESET CHANNELS 100

CHANNEL INDICATOR
On Screen Display

RF AERIAL INPUT
75 Ohm (unbalanced)

OPERATING VOLTAGE
230V AC, 50 Hz.

AUDIO
German+Nicam Stereo

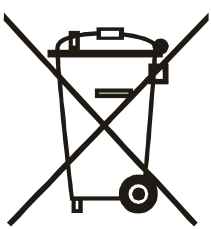
AUDIO OUTPUT POWER ($W_{RMS.}$) (%10 THD)
2 x 3 W

POWER CONSUMPTION (W)
80 W
< 3 W (Stand-by)

PANEL
16/9 display, 20.1" Screen Size

DIMENSIONS (mm)

DIMENSIONS (mm)				
D	L	H	Weight (kg)	
225	588	429	8	With foot
90	588	403	7,2	Without foot



Your **SANYO** product is designed and manufactured with high quality materials and components which can be recycled and re-used.

This symbol means that electrical and electronic equipment, at their end-of-life, should be disposed of separately from your household waste.

Please dispose of this equipment at your local community waste collection/recycling centre.

In the European Union there are separate collection systems for used electrical and electronic products.

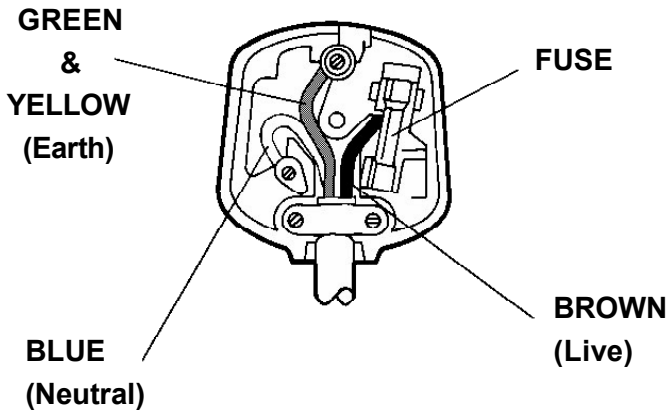
Please help us to conserve the environment we live in!

Important Instruction

For your own safety read following instruction carefully before attempting to connect this unit to the mains supply.

MAINS (AC) OPERATION

The wires in the mains lead are coloured in accordance with the following code :



IMPORTANT

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured green and yellow must be connected to the terminal which is marked with the letter E, or by the earth symbol, or coloured green or green and yellow.

The wire which is coloured blue or black must be connected to the terminal which is marked with the letter N or coloured Black.

The wire which is coloured brown or red must be connected to the terminal which is marked with the letter L or coloured Red.

For continued protection against risk of fire, replace only with same type and rating of fuse (ASTA approved 10A 250VAC fuse).

(If approved by the qualified TV service personel, 13A fuse may also be used)

If your product is fitted with a moulded plug which requires replacement please cut off and dispose of safely, then rewire as shown above.

CAUTION

TO PREVENT ELECTRIC SHOCK DISCONNECT FROM THE MAINS BEFORE REMOVING COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

SAFETY PRECAUTION

THIS EQUIPMENT MUST BE DISCONNECTED FROM THE MAINS WHEN NOT IN USE. DO NOT ALLOW THIS UNIT TO BE EXPOSED TO RAIN OR MOISTURE.

SANYO España, S.A.U.
Vial Transversal 2, no. 25,
Polígono Industrial Municipal,
31500 Tudela (Navarra)
Espana

Technical Assistance Headquarters
c/ Casal de Sta. Coloma, 6 P. I. Santiga
08210 Barbera Del Valles Barcelona
España

Número de atención al cliente en España: 902 222 404
Service Hotline in Spain: 902 222 404
Linha vermelha de serviço en Espanha: 902 222 404
Service Hotline in Spanien: 902 222 404

042-02514/1.5

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