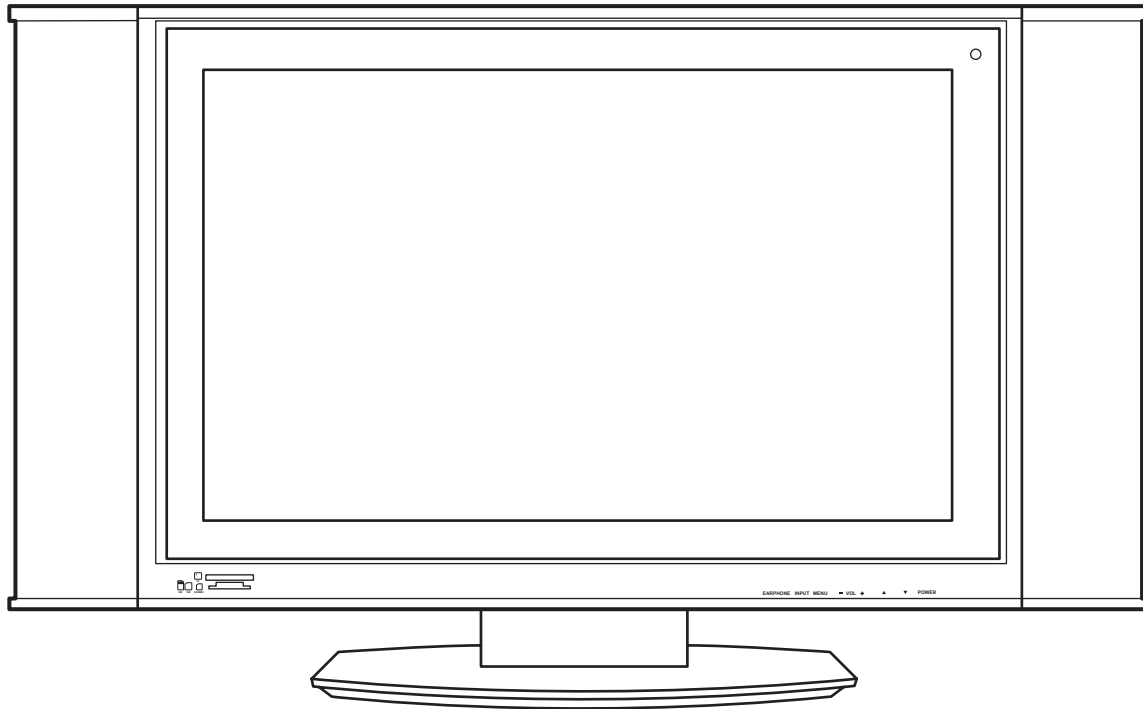


FERGUSON LCD MONITOR



MODEL – FL32WX2

PAL TV SYSTEM

USER MANUAL

Preface

About this manual

Thank you for purchasing the FERGUSON 32-inch LCD Colour Television! We are pleased to present a product that has been designed with excellent quality, reliability, and performance to make your viewing experience even more satisfying than before. This manual provides detailed descriptions on how to use this product, and adjust the picture and colour quality to according to your personal preferences.

Copyright information

Information in this document has been carefully checked for accuracy; however, it is subject to change without notice. This document contains proprietary information protected by copyright. All rights are reserved. No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system or translated into any language or computer language, in any form or by any means, electronic, mechanical, magnetic, optical, chemical, manual or otherwise, without the prior written permission of this company.

Copyright© 2004, All Rights Reserved.

Trademarks

Ferguson, the company logo, and the trademark are the registered trademarks of Ferguson Electric and Machinery Co., Ltd. and its affiliates in the United States and other countries.


VGA and XGA are registered trademarks of International Business Machines Co., Inc.

All other trademarks are the property of their respective owners.


Disclaimer

Ferguson makes no representations or warranties, either expressed or implied, with respect to the contents hereof and specifically disclaims any warranties, merchant ability or fitness for any particular purpose. Further, Ferguson reserves the right to revise this publication and to make changes from time to time in the contents hereof without obligation of this company to notify any person of such revision or changes.


Important safety information




CAUTION
RISK OF ELECTRIC SHOCK; DO NOT OPEN



CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



WARNING
This symbol is intended to tell the user that parts inside the product pose a risk of electric shock to persons.



CAUTION
This symbol is intended to tell the user that important operating and servicing instructions are described here.

Damage

Never use your TV if it is damaged in any way. Always place your TV on a flat level surface avoiding anywhere which may be subject to strong vibration.

Weather

It is advisable to unplug the aerial during an electrical storm.

Moisture

Do not allow your TV to be exposed to rain, moisture, dust. If any liquid is spilt into your TV it can cause serious damage. If you spill any liquid into your TV switch it off at the mains immediately. Contact your store.

Interference

Do not place your TV on or near appliances which may cause electromagnetic interference (TV or Hi-Fi speakers). If you do, it may adversely affect the working of the unit, and cause a distorted picture or sound.

Temperature

Avoid extremes of temperature, either hot or cold, place your TV well away from heat sources such as radiators or gas/electric fires.

Ventilation

The TV must be well ventilated. Do not cover your TV or position in a small confined space. It is recommended that you leave a 10cm gap all around your TV.

Batteries

Batteries are easily swallowed by young children. Do not allow young children to play with the remote control unit.

Covers

Do not remove any fixed covers as this may expose dangerous voltages.

Standby

Do not leave your TV in standby for long periods of time e.g. overnight or while on holiday.

Screen Burn

ATTENTION! Please note that some programmes are broadcast with a logo that will appear in the corner of your TV screen. Some of these logo's can be very bright and may cause damage by permanently marking the logo on the screen. To prevent this, avoid leaving channels displaying a logo for prolonged periods of time, particularly when the TV is not being watched.

Table of Contents

Overview of the LCD TV 1

Features	1
Unpacking.....	2
Product components.....	3
Front view.....	3
Rear view	4
Remote control.....	5

Getting started. 8

Inserting the remote control batteries.....	8
Connecting power.....	9
Basic connections	9
ANT port.....	11
Component IN port.....	11
SCART ports.....	12
S-IN port	12
AV IN port.....	13
AV OUT port.....	13
PC IN port.....	14
Inserting memory flash cards.....	15

Using the LCD TV 16

Watching the LCD TV	16
Selecting the video inputs	16
Sorting and naming channels.....	16
Selecting a channel	17
Changing the volume	18
Additional audio settings.....	19

Selecting stereo or bilingual programmes	19
Using surround sound mode	19
Using audio mode.....	19
Using auto volume level	19
Additional video settings	20
Using the display button.....	20
Selecting a video mode.....	20
Using video mute	20
Changing the screen mode	20
Using PIP (Picture in Picture) and POP (Picture on Picture)	21
Setting the TV off timer.....	22
Using the teletext function	22
Using the TV as a monitor	23
Using the card reader function.....	23

Using the OSD menus. 24

Changing picture settings	25
Changing audio settings	26
Changing system settings	27
Changing PIP settings	28
Changing TV settings	29
Changing colour settings	31

Specifications 32

Troubleshooting. 33

Overview of the LCD TV

Congratulations on purchasing the FERGUSON 32-inch LCD Colour Television. This product has been designed to provide you with a rich audio and video experience, along with ease of use and convenient connections. This monitor enables you to watch broadcast or cable television channels, connect a VCR, VCD or DVD player to watch your favourite movies, or connect a computer to use the display as a monitor. The TV is equipped with convenient control buttons located on the front panel and a handy remote control to let you adjust the TV settings and customize the TV preferences through an easy-to-use on-screen menu system.

Features

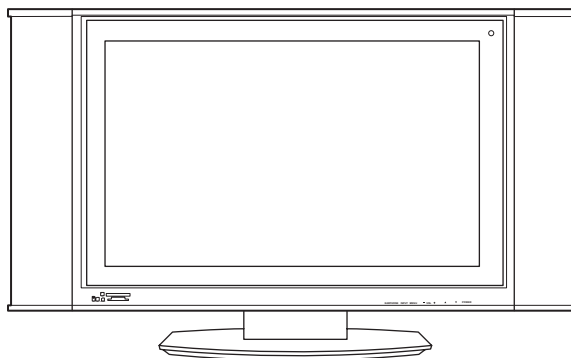
Enjoy the versatility of your LCD TV with its wide variety of features:

- 32-inch colour active matrix TFT LCD TV with remote control
- Safe, sturdy construction
- High contrast - 500:1 (typical), and brightness - 470 cd/m²
- Fast response time - 18 ms (Tr), 15 ms (Tf)
- Maximum display resolution: 1280 x 768
- Picture-in-picture (PIP) and picture-on-picture (POP) support
- Built-in TV tuner with 128 channels
- Audio/video support:
 - Component (YCbCr / YPrPb) video input
 - S-Video input
 - Two SCART audio/video inputs
 - VGA input
 - Composite video input
 - Composite audio / video output
 - Multiple stereo audio inputs corresponding to each video input
 - 3.5 mm stereo head phone output
 - 3.5 mm audio line-in input
- Card reader support for Memory Stick™ (MS), SmartMedia™ (SM), Secure Digital™ (SD), MultiMediaCard™ (MMC), and CompactFlash™ (CF) memory cards.
- On-Screen Display (OSD) menu system
- Built-in 12W x 2 speakers

Unpacking

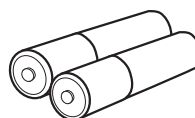
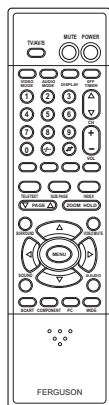
When you unpack this LCD TV, make sure the box contains the following items:

FERGUSON 32-inch LCD Colour Television



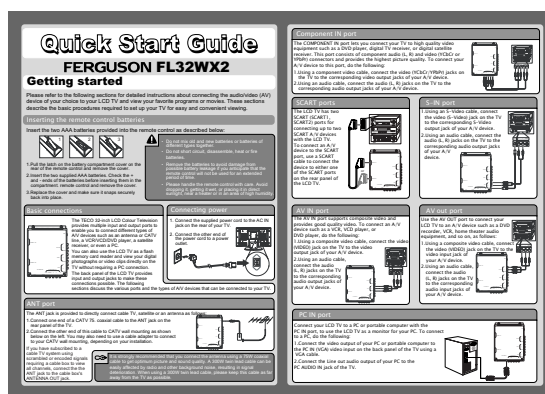
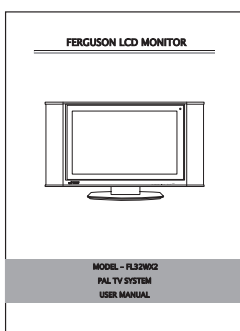
Remote control

2 AAA batteries



User manual

Quick Start guide

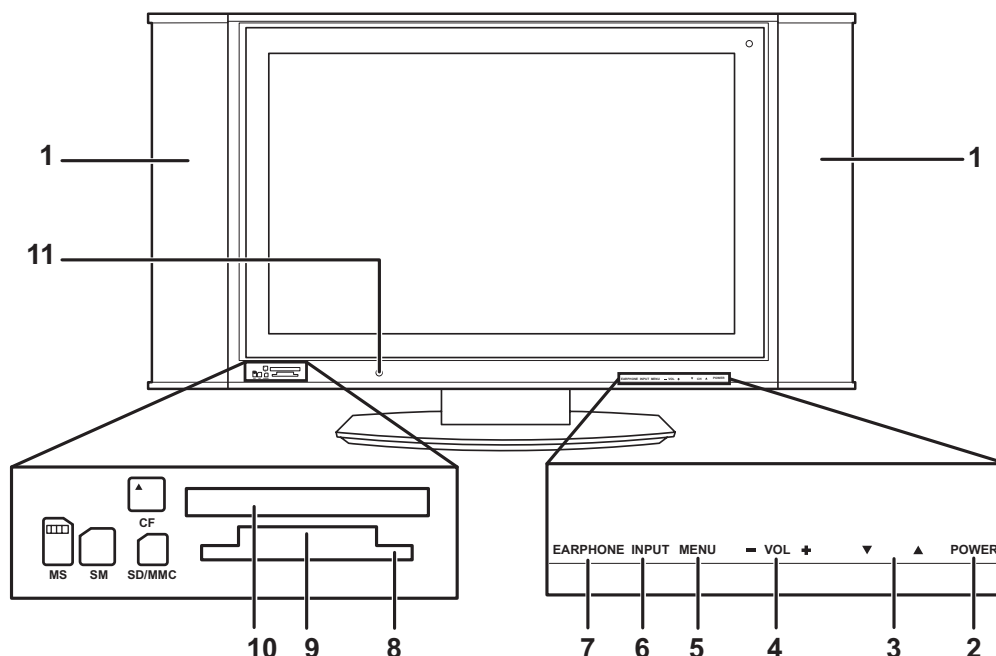


If any of these items appears to be missing or damaged, please contact your vendor or authorised service personnel for assistance.

Product components

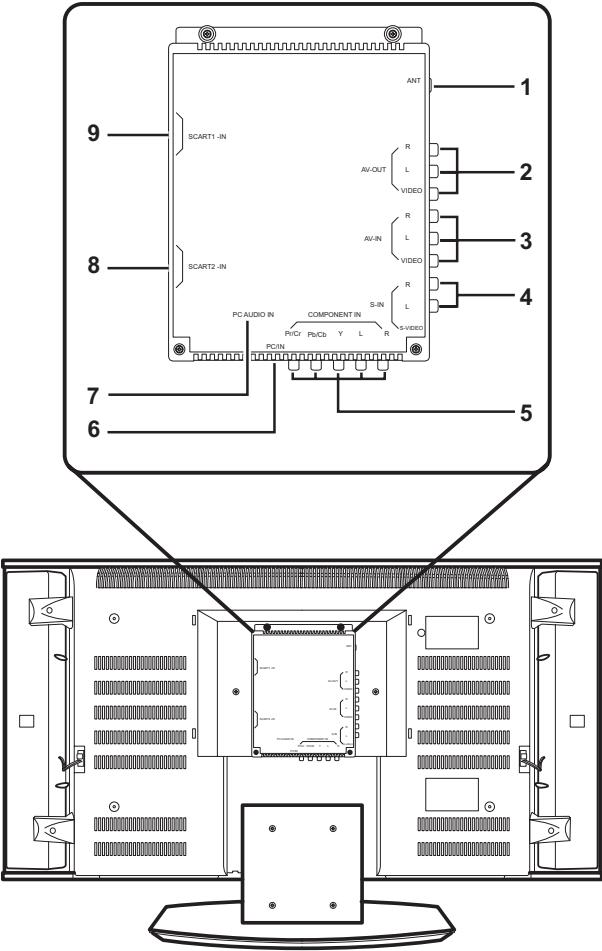
The following section describes the various components of the LCD TV. Please take a few moments to familiarize yourself with the product and its control panel before using it.

Front view



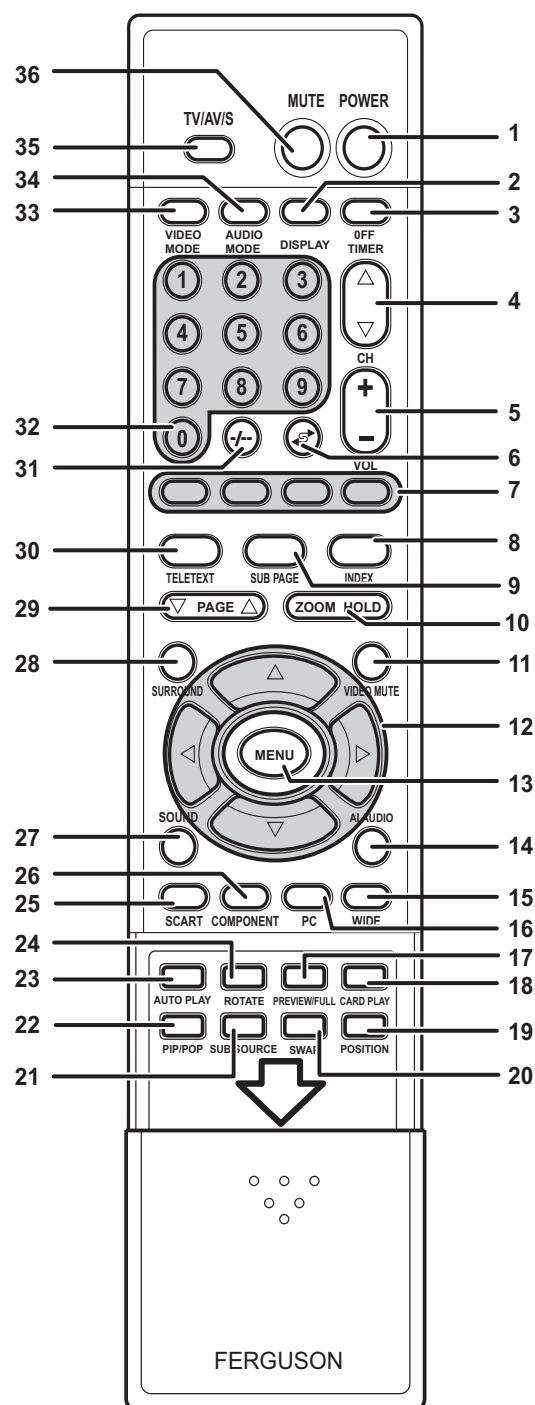
Component	Function
1. Speakers	Produces stereo sound.
2. Power button	Turns power on or off.
3. ▼ / ▲	Increases or decreases channel numbers.
4. VOL -/+	Increases or decreases the volume.
5. MENU button	Turns the On-screen Display (OSD) menu on or off.
6. INPUT button	Switches the input source displayed on the screen between the ANT, AV-IN, and PC-IN inputs.
7. EARPHONE	Connects to external headphones.
8. SM card slot	Insert an SM card in this slot.
9. SD / MMC, MS slot	Insert an SD / MMC or MS card in this slot.
10. CF card slot	Insert a CF card in this slot.
11. Power indicator LED	Indicates if the power is turned on (green), off (unlit), or if the TV is in stand-by mode (red).

Rear view

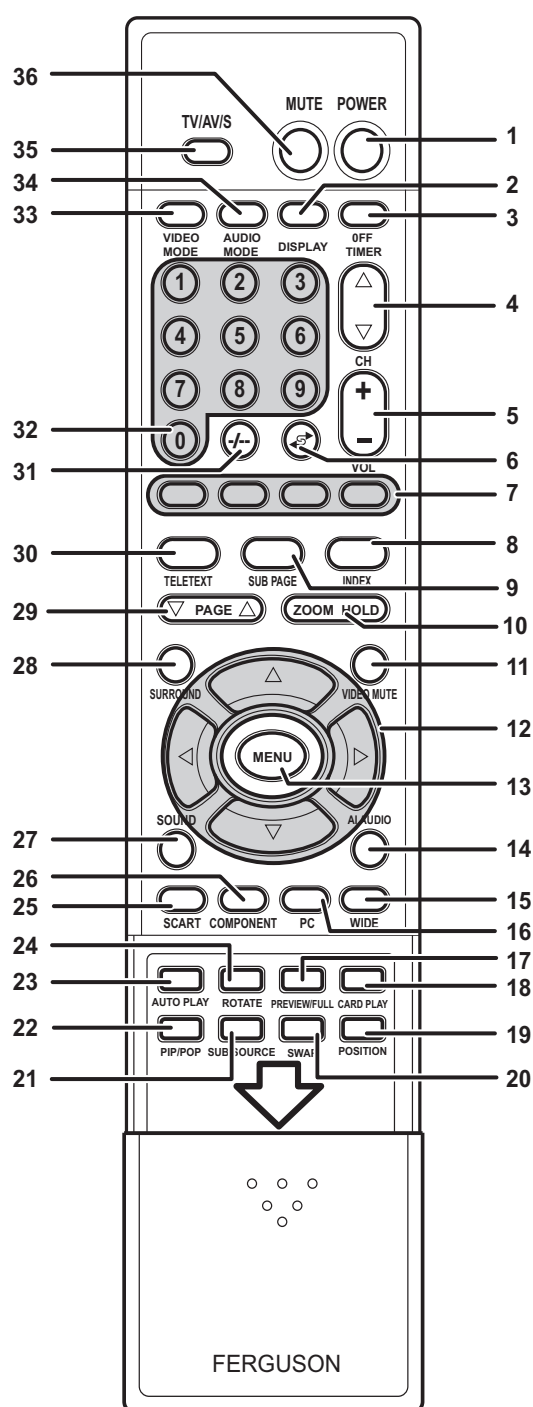


Component		Function
1.	ANT input	Connects to your VH/UHF antenna or coaxial cable a from local TV service provider.
2.	AV-OUT	Connects to the audio and video input jacks of your A/V device.
3.	AV-IN	Connects to the audio and composite video output jacks of your A/V device.
4.	S-IN	Connects to the audio and S-Video output jacks of your A/V device.
5.	COMPONENT IN	Connects to the audio and component video output jacks of your A/V device.
6.	PC IN	Connects to the VGA output of your PC or portable computer.
7.	PC AUDIO IN	Connects to the audio output (earphone jack) of your PC or portable computer.
8.	SCART2-IN	Connects to the SCART output of your A/V device.
9.	SCART1-IN	Connects to the SCART output of your A/V device.

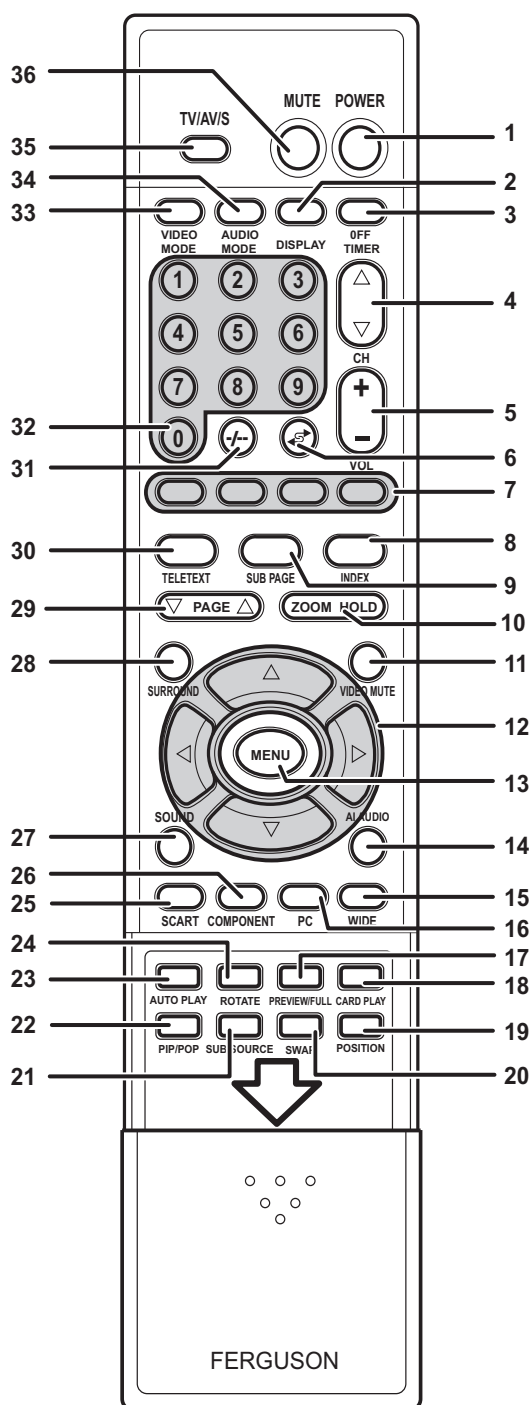
Remote control



Component		Function
1.	POWER	Turns power on or off.
2.	DISPLAY	Press repeatedly to display current time, channel number, or video input signal.
3.	OFF TIMER	Press repeatedly to set the off timer to 10 through 90 minutes. The TV enters stand-by mode after the specified time interval.
4.	▼ / ▲	Decreases ▼ or increases ▲ the channel number.
5.	VOL - / +	Increases (+) or decreases (-) the volume.
6.	JUMP	Switches to the previously viewed channel.
7.	TELETEXT HOT KEYS	Select groups of pages in teletext mode.
8.	INDEX	Displays a list and information about the teletext pages.
9.	SUB PAGE	Displays the teletext as an overlay over the programme you are currently watching.
10.	ZOOM / HOLD	Zoom enlarges the teletext page; Hold freezes the current teletext page on the screen.
11.	VIDEO MUTE	Turns off the video display. The TV screen turns blank.
12.	ARROW KEYS	Press the up, down, left, right arrow keys to scroll through the OSD menu options.
13.	MENU	Displays the OSD menu. Press repeatedly to view the different menu pages or exit the OSD menu.
14.	AI AUDIO	Adjusts the audio volume automatically according to the audio level of the channel or video programme.



Component		Function
15.	WIDE	Switches the display mode between various wide modes. (Mode 1, Mode 2, Mode 3, Mode 4, 4:3, FULL)
16.	PC	Selects the PC-IN input as the video source signal.
17.	PREVIEW / FULL	Switches between thumbnail and full screen mode when viewing pictures from the flash memory card.
18.	CARD PLAY	Starts playback of an audio or video file from the flash memory card.
19.	POSITION	Changes the PIP position (four positions)
20.	SWAP	Toggles between the main screen and the sub screen.
21.	SUB SOURCE	Selects the sub source for PIP and POP modes.
22.	PIP / POP	Toggles between PIP and POP modes.
23.	ROTATE	Rotates a picture from the flash memory card by 90° in a clockwise (right) direction.
24.	AUTO PLAY	Plays back all the images from the flash memory card automatically. Press again to stop playback.
25.	SCART	Selects the SCART1-IN or SCART2-IN inputs as the video source signal.
26.	COMPONENT	Selects the COMPONENT IN input as the video source signal.
27.	SOUND	Switches between monaural, stereo, and DUAL 1/DUAL 2 audio modes. This feature enables you to receive audio in a second language or unrelated audio (e.g. weather information).



	Component	Function
28.	SURROUND	Switches between surround sound modes: Mode 1, Mode 2, SRS, and OFF.
29.	PAGE ▲ ▼	Increases or decreases the page number in teletext mode.
30.	TELETXT	Starts teletext mode.
31.	- / - -	Press to type in a channel number higher than 100.
32.	NUMBER KEYS	Press the number keys to enter channel numbers.
33.	VIDEO MODE	Switches between three video modes to change the picture quality: PRESET, SOFT, and USER.
34.	AUDIO MODE	Switches between three audio modes to change the sound quality: PRESET, SOFT, and USER.
35.	TV / AV / S	Selects the ANT, AV-IN, or S-IN inputs as the video source signal.
36.	MUTE	Disables the audio output.

Aim the remote control at the remote sensor on the TV. For effective use please operate the remote control within an angle of 30° and a distance of 5m. from the sensor.



- If direct sunlight shines directly on the remote sensor, the remote control's operation may be unstable, and the effective range will be shorter.
- Do not hit or violently shake the remote control.
- Never expose the remote control to high temperature or humidity.
- If the remote is not used for an extended period of time, remove the batteries to prevent damage or injury from possible battery leakage.

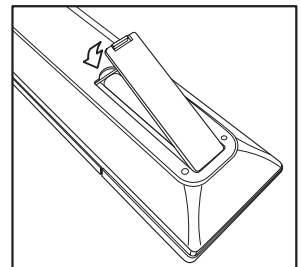
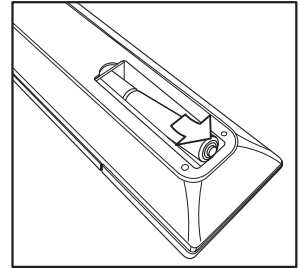
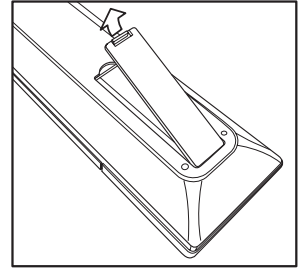
Getting started

Please refer to the following sections for detailed instructions about connecting the audio/video (AV) device of your choice to your LCD TV and view your favourite programmes or movies. These sections describe the basic procedures required to set up your TV for easy and convenient viewing.

Inserting the remote control batteries

Insert the two AAA batteries provided into the remote control as described below:

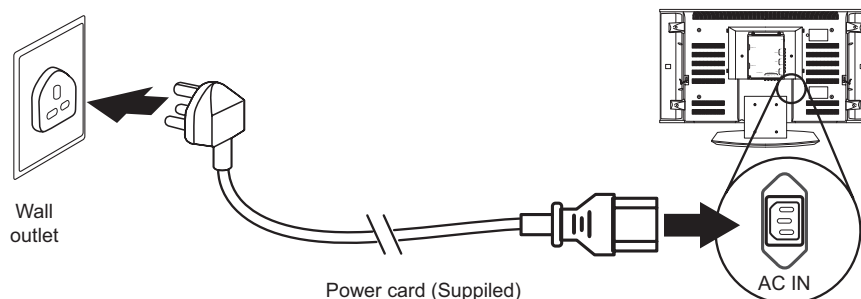
1. Pull the latch on the battery compartment cover on the rear of the remote control and remove the cover.
2. Insert the two supplied AAA batteries. Check the + and – ends of the batteries before inserting them in the compartment.
3. Replace the cover and make sure it snaps securely back into place.



- Do not mix old and new batteries or batteries of different types together.
- Do not short-circuit, disassemble, heat or fire batteries.
- Remove the batteries to avoid damage from possible battery leakage if you anticipate that the remote control will not be used for an extended period of time.
- Please handle the remote control with care. Avoid dropping it, getting it wet, or placing it in direct sunlight, near a heater or in an area of high humidity.

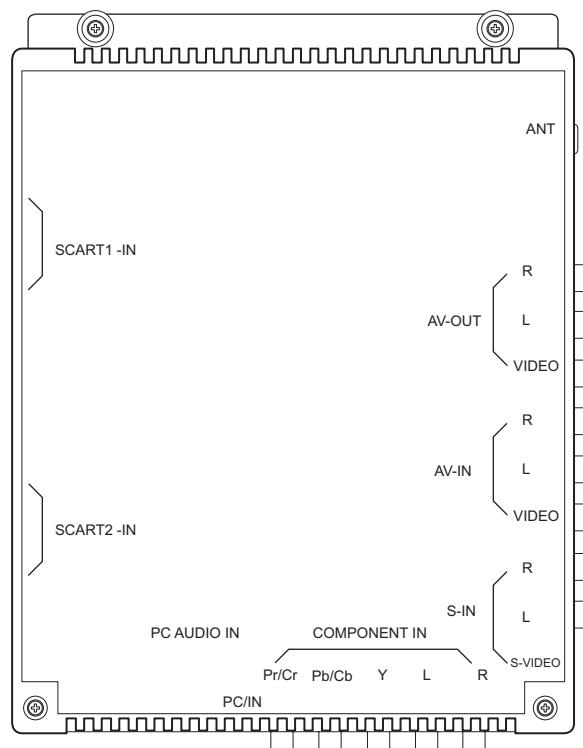
Connecting power

1. Connect the supplied power cord to the **AC IN** jack on the rear of your TV.
2. Connect the other end of the power cord to a power outlet.



Basic connections

The FERGUSON 32-inch LCD Colour Television provides multiple input and output ports to enable you to connect different types of A/V devices such as an antenna or CATV line, a VCR/VCD/DVD player, a satellite receiver, or even a PC. You can also use the LCD TV as a flash memory card reader and view your digital photographs or video clips directly on the TV without requiring a PC connection. The back panel of the LCD TV provides input and output jacks to make these connections possible. The following sections discuss the various ports and the types of A/V devices that can be connected to your TV.



Notes:

Refer to these notes before connecting any audio/video equipment to this TV.

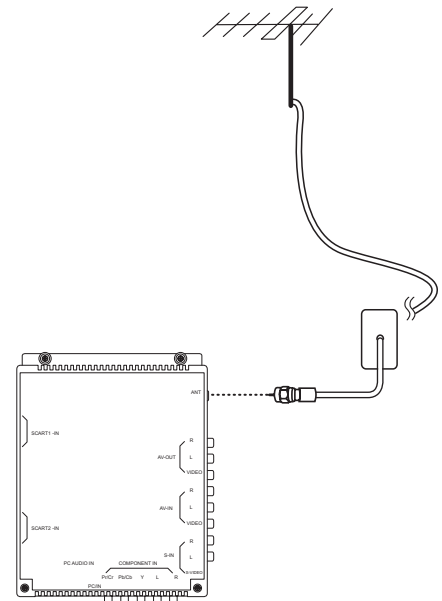
- Refer to the manuals of your TV, stereo, or other equipment as necessary.
- Disconnect all equipment from the power outlets. Connect the equipment to the power outlets only after you have completed connecting everything. Never make or change connections with equipment connected to a power outlet.
- Connect a DVD player directly to the TV. For example, do not connect a DVD player to a VCR, and then connect the VCR to your TV. This type of connection could distort both the picture and the sound. Your VCR might also have a copy protection system, which could result in a distorted DVD image.
- Set the stereo system to the correct channel or source if your video equipment is also connected to a stereo system.
- You only need one audio connection and one video connection between your TV and other audio/video equipment (e.g. DVD player, VCR, Camcorder). This means it is possible you will not use all the jacks on the TV.
- If you plan to watch TV with your DVD player or VCR off, connect a coaxial cable to the DVD player's or VCR's TUNER IN jack and to the ANT jack on your LCD TV. This allows you to watch channels on the TV normally when the DVD player or VCR is off and will also improve the reception of your TV.
- The capabilities of your existing audio/video equipment, especially your TV, will determine the connection possibilities. Progressive Scan Component Video has the highest picture quality, but it can only be used if the connected video equipment supports Progressive Scan Component Video. Component Video provides excellent picture quality, but it can only be used if the connected video equipment supports component video. S-Video provides a high picture quality. Composite Video (a yellow Video jack) provides a good picture quality. Once you have determined which connection best suits your existing equipment, follow the corresponding connection steps as described on page 10 to 13.

ANT port

The ANT jack is provided to directly connect cable TV, satellite or an antenna as follows:

1. Connect one end of a CATV 75Ω coaxial cable to the **ANT** jack on the rear panel of the TV.
2. Connect the other end of this cable to the CATV jack as shown below on the left. You may also need to use a cable adapter to connect to your CATV wall mounting, depending on your installation.

If you have subscribed to a cable TV system using scrambled or encoded signals requiring a cable box to view all channels, connect the **ANT** jack to the cable box's **ANTENNA OUT** jack.

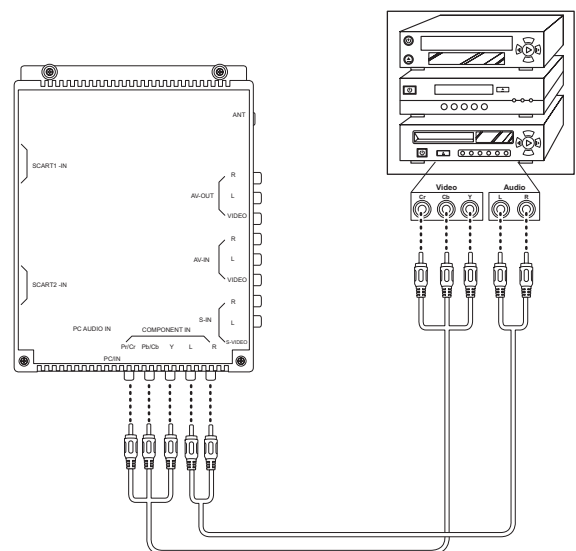


It is strongly recommended that you connect the antenna using a 75Ω coaxial cable to get optimum picture and sound quality. A 300Ω twin lead cable can be easily affected by radio and other background noise, resulting in signal deterioration. When using a 300Ω twin lead cable, please keep this cable as far away from the TV as possible.

Component IN port

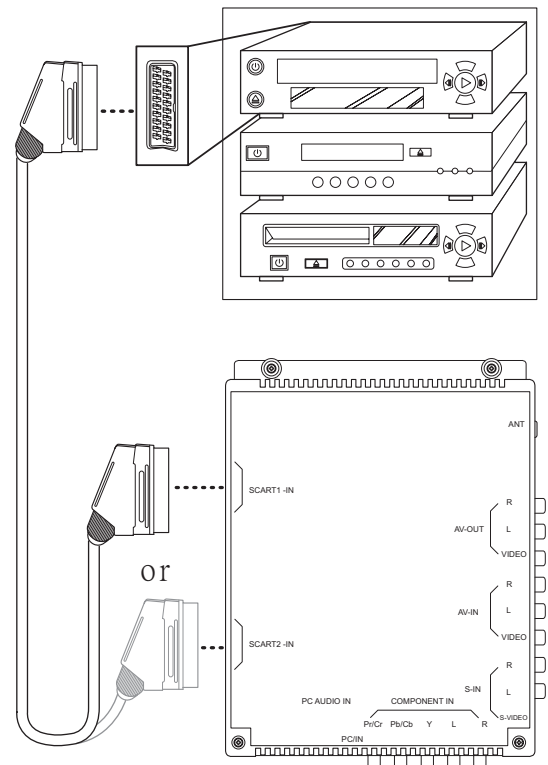
The **COMPONENT IN** port lets you connect your TV to high quality video equipment such as a DVD player, digital TV receiver, or digital satellite receiver. This port consists of component audio (**L**, **R**) and video (**YCbCr** or **YPbPr**) connectors and provides the highest picture quality. To connect your A/V device to this port, do the following:

1. Using a component video cable, connect the video (**YCbCr** / **YPbPr**) jacks on the TV to the corresponding video output jacks of your A/V device.
2. Using an audio cable, connect the audio (**L**, **R**) jacks on the TV to the corresponding audio output jacks of your A/V device.



SCART ports

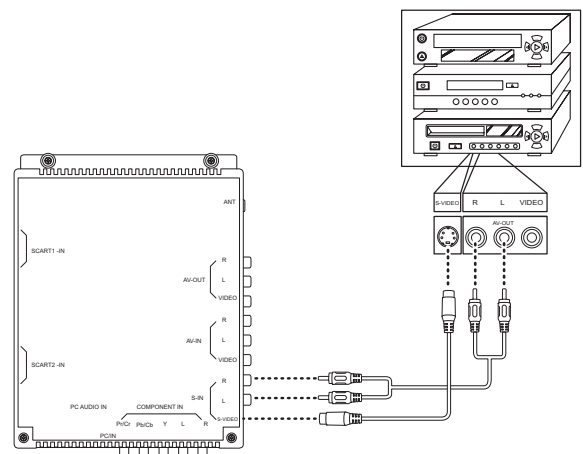
The LCD TV has two SCART (**SCART1**, **SCART2**) ports for connecting up to two SCART A/V devices with the LCD TV. To connect an A/V device to the SCART port, use a SCART cable to connect the device to either one of the SCART ports on the rear panel of the LCD TV.



S-IN port

The **S-IN** port has been provided to enable you to connect to devices with S-Video output such as DVD players, digital cameras, satellite receivers, and so on. This port produces picture very high picture quality. An A/V device can be connected to this port as follows:

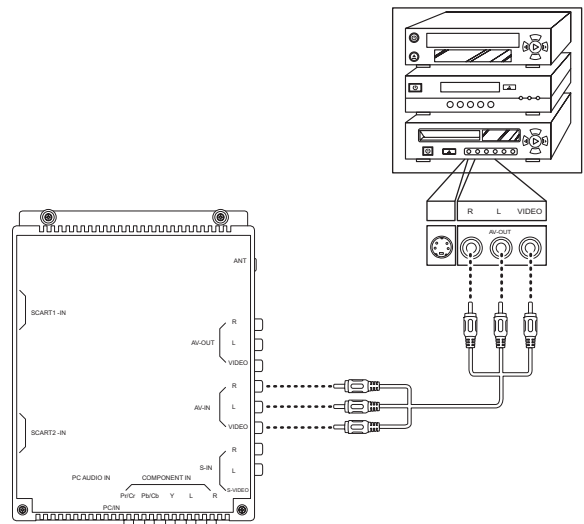
1. Using an S-Video cable, connect the video (**S-Video**) jack on the TV to the corresponding S-Video output jack of your A/V device.
2. Using an audio cable, connect the audio (**L**, **R**) jacks on the TV to the corresponding audio output jacks of your A/V device.



AV IN port

The **AV IN** port supports composite video and provides good quality video. To connect an A/V device such as a VCR, VCD player, or DVD player, do the following:

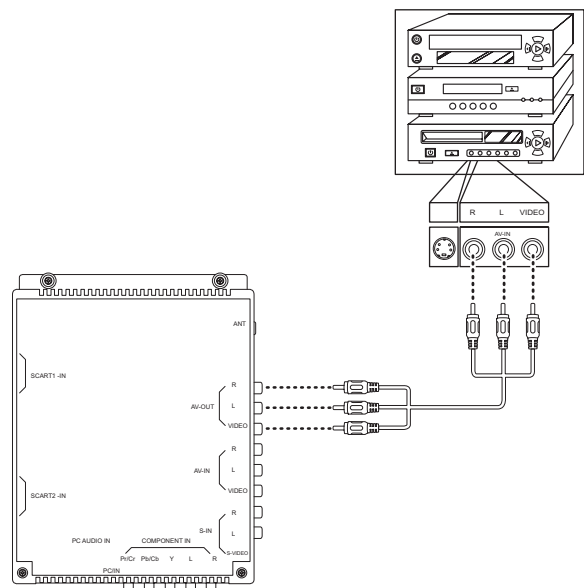
1. Using a composite video cable, connect the video (**VIDEO**) jack on the TV to the video output jack of your A/V device.
2. Using an audio cable, connect the audio (**L, R**) jacks on the TV to the corresponding audio output jacks of your A/V device.



AV OUT port

Use the **AV OUT** port to connect your LCD TV to an A/V device such as a DVD recorder, VCR, home theatre audio equipment, and so on, as follows:

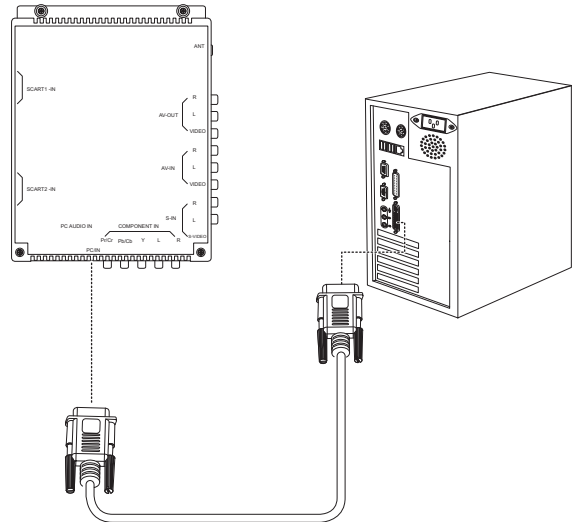
1. Using a composite video cable, connect the video (**VIDEO**) jack on the TV to the video input jack of your A/V device.
2. Using an audio cable, connect the audio (**L, R**) jacks on the TV to the corresponding audio input jacks of your A/V device.



PC IN port

Connect your LCD TV to a PC or portable computer with the **PC IN** port, to use the LCD TV as a monitor for your PC. To connect to a PC, do the following:

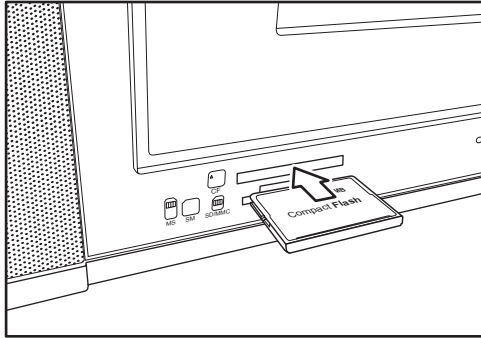
1. Connect the video output of your PC or portable computer to the **PC IN** (VGA) video input on the back panel of the TV using a VGA cable.
2. Connect the **Line out** audio output of your PC to the **PC AUDIO IN** jack of the TV.



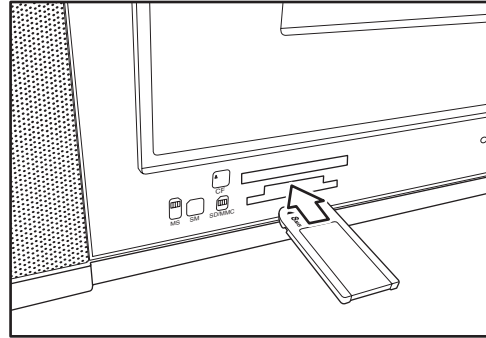
Inserting memory flash cards

The LCD TV also provides a memory flash card reader function to enable you to view digital images directly on the screen without requiring a PC to read the card contents. The TV supports CF, SD/MMC, MS, and SM card formats. Insert the memory card in the appropriate memory card slot as shown in the illustration:

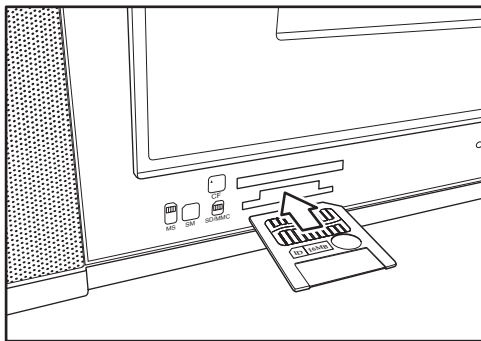
Inserting a CompactFlash card



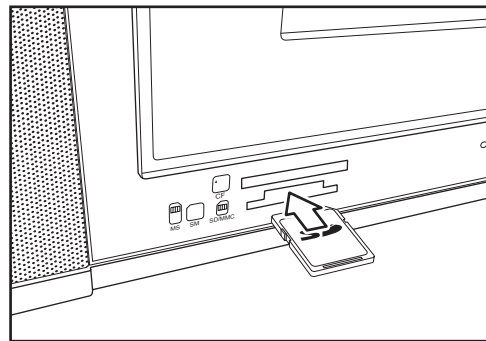
Inserting a Memory Stick



Inserting a SmartMedia card



Inserting a Secure Digital/MultiMediaCard



Using the LCD TV

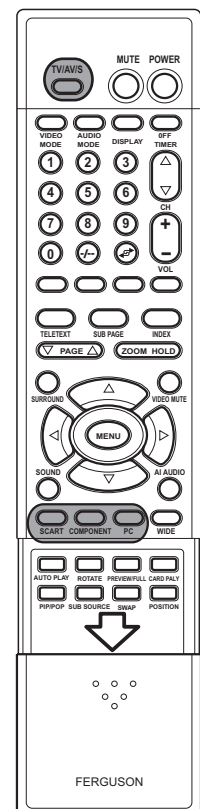
Watching the LCD TV

When you use your TV for the first time, you will need to tune, sort, and name all viewable channels. Refer to the following sections to learn about how to use the various features of your LCD TV.

Selecting the video inputs

Select the video input using the remote control or the front panel in one of the following ways:

- Press the **INPUT** button on the control panel of the TV repeatedly to toggle between the following video input signals: **ANT**, **AV-IN**, **S-IN**, **SCART1-IN**, **SCART2-IN**, **COMPONENT IN**, and **PC-IN**.
- Press the **TV/AV/S** button on the remote control to toggle between **ANT**, **AV-IN**, and **S-IN** input signals.
- Press the **SCART** button on the remote control to toggle between the **SCART1-IN** and **SCART2-IN** input signals.
- Press the **COMPONENT** button on the remote control to view the **COMPONENT IN** input signal.
- Press the **PC** button to select **PC-IN** input signals.



Make sure that you have made the correct connections in order to view the correct source signal on your TV. Refer to *Basic connections* on page 9 for more information.

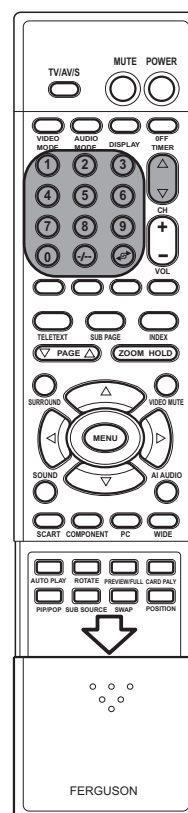
Sorting and naming channels

1. Use the CH ▲/▼ buttons to select a channel with a clear picture.
2. Use your TV guide or Teletext to identify the channel (e.g. BBC1, BBC2, ITV, etc...)
3. Press MENU and then CH ▼ to highlight CH SETTINGS, press VOL+ to select.
4. Press CH ▼ to highlight CH EDIT, press VOL+ to select.
5. Press CH ▼ to highlight NEW CH and use the number buttons 0-9 to input the channel number you identified in step 2.
6. Press CH ▼ to highlight CH NAME, press VOL+ to select. Use the CH ▲ buttons to select your chosen characters and then VOL+ to move forward to the next character.
7. When complete, press MENU until the menu screen disappears
8. Repeat steps 1-7 to sort and name all your chosen channels.

Selecting a channel

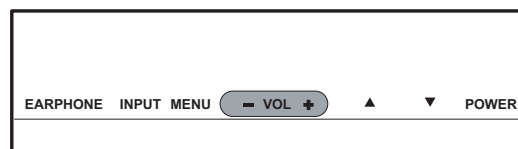
Channels can be selected using the control panel of the main unit or by using the remote control.

- Use the ▲/▼ to increase or decrease the channel numbers.
- Select the channels directly by pressing the number and -/-- buttons. The TV allows you to select up to 125 channels. Select a channel by entering a 2 or 3-digit number. To enter a number higher than 100, press the -/-- button first and then type in the lower two digits of the channel number.
- Press the ⌂ button to switch back to the previously viewed channel at any time.

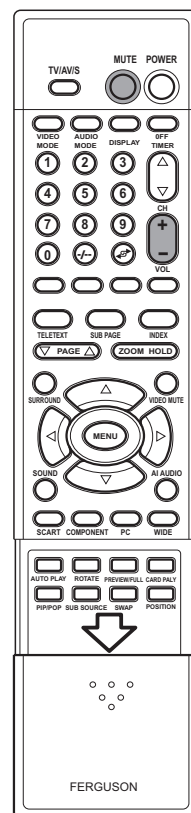


Changing the volume

- Using the **VOL -/+** buttons on the control panel of the main unit or remote control to decrease or increase the volume.
- Turn off the speaker sound by pressing the **MUTE** button on the remote control.
- Turn on the sound by pressing the **MUTE** button again, increasing/decreasing volume, or changing channels.



If the mute has not been cancelled within 8 minutes from activation, the system will automatically reset the volume level to 0.



Additional audio settings

The following audio features are also available on your LCD TV.

Selecting stereo or bilingual programmes

This TV has a feature which allows the reception of sound other than the main audio of the programme. This feature is called STEREO/DUAL (A-B). A system with STEREO/DUAL can receive mono and stereo sound. The DUAL feature makes it possible for TV stations to add other information to a broadcast, such as audio in a second language or unrelated audio (e.g. weather information).

Press the **SOUND** button on the remote to toggle the sound between **STEREO**, **MONO**, **DUAL 1** and **DUAL2**.



- If a stereo broadcast is hard to hear a clearer sound can be obtained by manually switching to MONO-sound mode.
- This feature can also be enabled using the OSD menu. See **MTS** in *Changing audio settings* on page 26.
- Once mono-sound has been selected, the sound remains mono, even if the TV receives a stereo broadcast. To hear stereo sound again the TV must be manually switched back to stereo-sound.

Using surround sound mode

Surround sound mode creates a spatial effect: sound seems to be coming from all directions. This feature can be selected by pressing the **SURROUND** button on the remote control repeatedly. The surround sound mode switches between **Surround 1**, **Surround 2**, **SRS**, and **OFF**.

Using audio mode

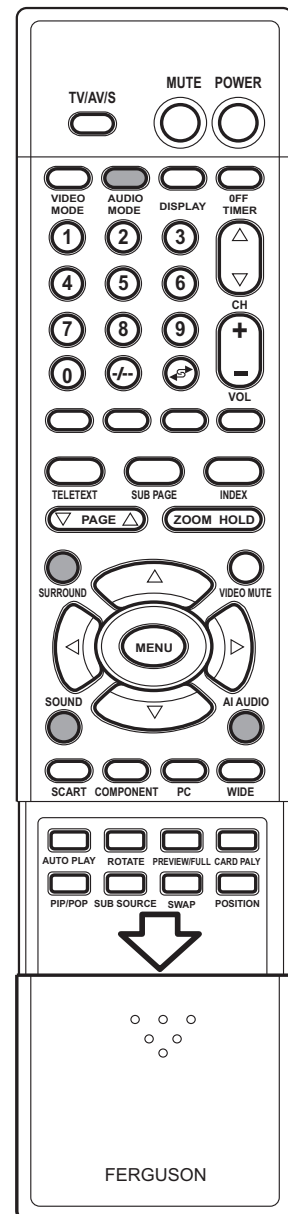
Press the **AUDIO MODE** button on the remote control to adjust the sound quickly according to the viewer's taste. Select **SOFT** for the default setting or **USER** for the user defined setting set in the **AUDIO ADJUST** OSD menu.



- For easy picture quality setup, select AUDIO MODE from the AUDIO ADJUST sub menu, and then select USER or PRESET mode. PRESET is the TV's default setting.
- This feature can also be enabled using the OSD menu. See **AUDIO MODE** *Changing audio settings* on page 26.

Using auto volume level

This feature balances the various audio volume levels of channels. Press the **AUDIO AI** button on the remote control to lower the audio volume if the modulation signal is high and increase the audio volume if the modulation signal is low. The volume is adjusted automatically according to the input signal level.



Additional video settings

The following video features are also available on your LCD TV.

Using the display button

Press the **DISPLAY** button on the remote control repeatedly to display the current time, channel number or video input signal.



In order for the current time to be displayed correctly, the system time first needs to be set. See **CURRENT TIME** in *Changing system settings* on page 27 for more information.

Selecting a video mode

Press the **VIDEO MODE** button on the remote control to adjust the video quality according to the viewer's taste. Select **PRESET** for the default setting or **USER** for the user defined setting set in the **PICTURE ADJUST** OSD menu.



This feature can also be set using the OSD menu. See **VIDEO MODE** in *Changing picture settings* on page 25 for more information.

Using video mute

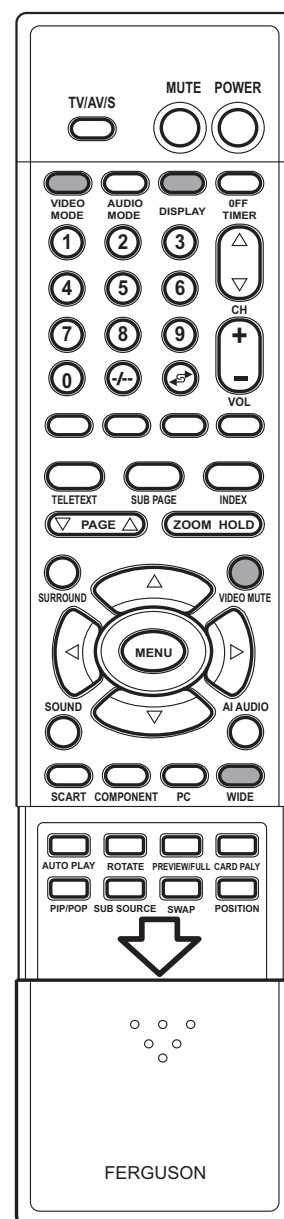
Press the **VIDEO MUTE** button on the remote control to turn the TV screen blank. Pressing this button again will restore the picture.

Changing the screen mode

Press the **WIDE** button on the remote control to change the screen size. The screen size can be set to the following options: **MODE 1**, **MODE 2**, **MODE 3**, **MODE 4**, **4:3**, and **FULL**.



This feature can also be set using the OSD menu. See **SCREEN MODE** in *Changing PIP settings* on page 28 for more information.



Using PIP (Picture in Picture) and POP (Picture on Picture)

The TV is capable of displaying a second channel in a corner of the main screen (PIP), or displaying 2 images of equal size (POP). To view PIP or POP, do the following:

1. Press the **PIP/POP** button on the remote control repeatedly to enable the PIP or POP mode.
2. Select the main source for the video input using the remote control or the main control panel (See *Selecting the video inputs* on page 16). The main source can be selected from **ANT**, **AV-IN**, **S-IN**, and **SCART1/2** inputs for PIP/POP modes.
3. Press the **SUB SOURCE** button on the remote control repeatedly to select the secondary input from **PC-IN** or **COMPONENT-IN** inputs.
4. Press the **POSITION** button on the remote control repeatedly to change the position of the PIP/POP window.
5. Press the **SWAP** button on the remote control to exchange the main and secondary input signals.

Refer to *Changing PIP settings* on page 28 for more details on enabling the PIP/POP modes.

PIP POSITIONS

1.



2.



3.

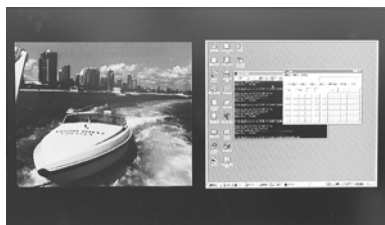


4.

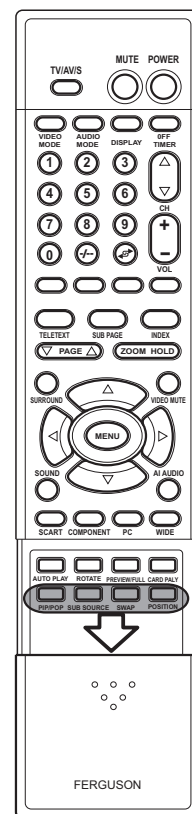
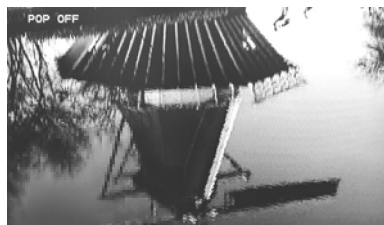


POP POSITIONS

POP ON



POP OFF

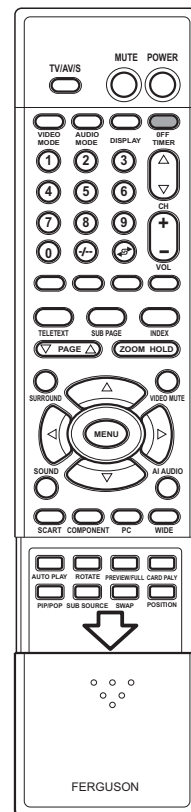


Setting the TV off timer

The TV can be switched off within a specified time interval. To set the TV off timer, press the **OFF TIMER** button on the remote control repeatedly to select a time interval from 10 to 90 minutes. The TV is turned off and enters standby mode after the specified time interval.



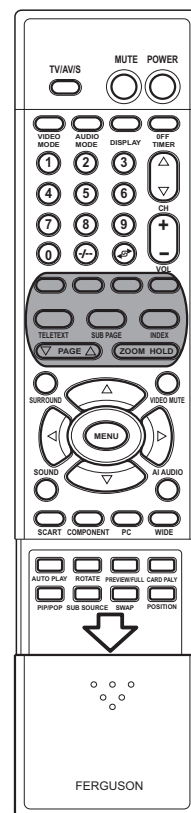
The counter will not be restarted if any button gets pressed during the countdown; the TV will automatically enter the standby mode.



Using the teletext function

Many TV channels broadcast additional information via teletext. This TV is compatible with all the teletext transmitting systems used by individual countries and TV stations. To use the teletext function, press the **TELETEXT** button on your remote control. Once the teletext has started, you can select and view the desired pages in the following manner:

- Select the desired page directly by using the number buttons on your remote control. Use the **-/--** button to select a page number higher than 100.
- Select a group of pages using the coloured (red, green, yellow, and blue) buttons on your remote control, directly above the **TELETEXT** button. These colours correspond to the groups of pages marked in one of these four colours.
- Press the **INDEX** button on the remote control to view a list of all the teletext pages and select the desired one.
- Press the **PAGE ▲ ▼** buttons on the remote control to skip to the next or previous page.
- In teletext mode, if you want to enlarge the size of the text being displayed, press the **ZOOM** button on the remote control. When you press the button, the upper half of the teletext page is enlarged. Press it again to enlarge the lower half of the page. Press it once more to return to normal view.
- To freeze a teletext page on the screen for further viewing, press the **HOLD** button on the remote control.
- Press the **SUB PAGE** button to project the text on top of the normal programme that you are viewing. Press it again to return to normal view.



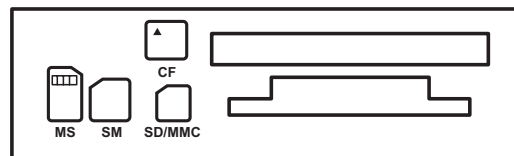
Using the TV as a monitor

This TV can be used as a monitor for a portable computer or PC. Refer to *PC IN port* on page 14 and more information about connecting to the PC. Use the remote control or the front panel to select the **PC-IN** input as the source signal for the TV (see *Selecting the video inputs* on page 16). The following resolutions are supported:

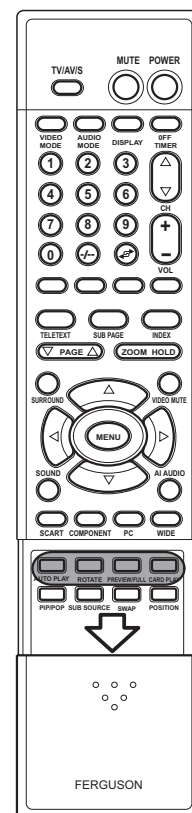
- VGA 640*350 (70 Hz)
- VGA 640*480 (50/60/66/70/72/75/85 Hz)
- VGA 720*350 (70 Hz)
- VGA 720*400 (70 Hz)
- SVGA 800*600 (56/60/72/75/85 Hz)
- MAC 832*624 (75 Hz)
- XGA 1024*768 (60/70/75/85 Hz)
- SXGA 1280*1024 (60/75 Hz)
- MAC 1152*870 (75 Hz)

Using the card reader function

The LCD TV provides the card reader function to enable you to view digital images directly on the screen without needing to connect to a PC. The LCD TV supports CF, SD/MMC, MS, and SM cards. Insert the card in the appropriate card slot and proceed to view your images as follows:



1. When you insert the card into the memory card slot, the TV switches automatically to card reader mode. A thumbnail list of the images on the card are displayed.
2. To view an image in full-screen mode, select an image using the arrow keys and press the **PREVIEW/FULL** button on the remote control. Press the button again to return to thumbnail mode.
3. Press the **AUTOPLAY** button on the remote control to start an automatic slide show of all the images. All the images are displayed sequentially. Press the button again to stop the slide show.
4. Press the **ROTATE** button on the remote control to rotate the selected picture by 90° in the clockwise (right) direction.
5. Press the **CARD PLAY** button to play an audio or video clip present on your flash memory card.




Using the OSD menus

The On-Screen Display (OSD) menu system provides a quick and simple method to adjust your LCD TV settings. This chapter describes how to change each of the available settings.



OSD menus can be viewed using both the remote control and the control buttons on the front panel as shown in the following table:

Remote Control	Front Panel Controls	Action
MENU	MENU	Press to enter the OSD menus. When in the OSD menus, press to scroll between the different main menus.
▲ or ▼	▲ or ▼	Move up and down in the OSD menus.
◀ or ▶	VOL + or VOL-	Press to change values in the OSD menus.



After you have changed settings using the OSD menus, the new changed settings are confirmed automatically when the OSD times out, even if you do not press the MENU button to exit the OSD menu.

Changing picture settings



The Picture Settings menu enables you to make changes to the contrast and brightness, make the display sharper, and set the phase, clock, and horizontal or vertical position of the display in PC mode



The OSD shown is for TV mode. Other modes have different options.



The following options are available from the Picture menu:

Option	Function
Brightness	Adjusts the levels of light on your screen. It should be used in conjunction with the Contrast option.
Contrast	Adjusts the difference between the dark and light levels on your display. It should be used in conjunction with the Brightness option.
Colour	Changes the dominant color intensity on your screen. Adjust this setting until the colours on the screen (for example, flesh tones) look natural.
Tint	Changes the colour balance. Adjust this setting so that the colours (for example, flesh tones) on the screen are neither too green or too magenta.
Sharpness	Adjusts the sharpness levels on your screen.
Video Mode	Stores Picture settings. The following options are available: Soft: loads picture settings that result in softer colours and less sharp images. User: loads the most recent user defined settings. Preset: loads factory default settings.
H Position (PC only)	Adjusts the horizontal position of the display.
V Position (PC only)	Adjusts the vertical position of the display.
Phase (PC only)	Adjusts the phase for the display.
Clock (PC only)	Adjusts the clock frequency for the display.
Auto (PC only)	Adjusts the display automatically.

Changing audio settings



The Audio menu enables you to configure the volume, treble, and bass of the audio output. Use the slider bars to adjust these settings.



The OSD shown is for TV mode. Other modes have different options.



The following options are available from the Audio menu:

Option	Function
Volume	Adjusts the overall volume of the speakers.
Treble	Adjusts the high frequency content in the audio output.
Bass	Adjusts the low frequency content in the audio output.
Balance	Balances the volume of the left and right speakers.
Audio Mode	Stores Audio settings. The following options are available: Soft: loads audio settings that result in softer audio. User: loads the most recent user defined settings. Preset: loads factory default settings
Speaker	Turns the speakers off (same as mute).
MTS	Selects the audio mode for your LCD TV. In many locations, you can listen to a secondary audio source in addition to the primary source. Select from STEREO , DUAL 1/2 , or MONO .

Changing system settings



The Audio menu enables you to configure the volume, treble, and bass of the audio output. Use the slider bars to adjust these settings.



The OSD shown is for TV mode. Other modes have different options.



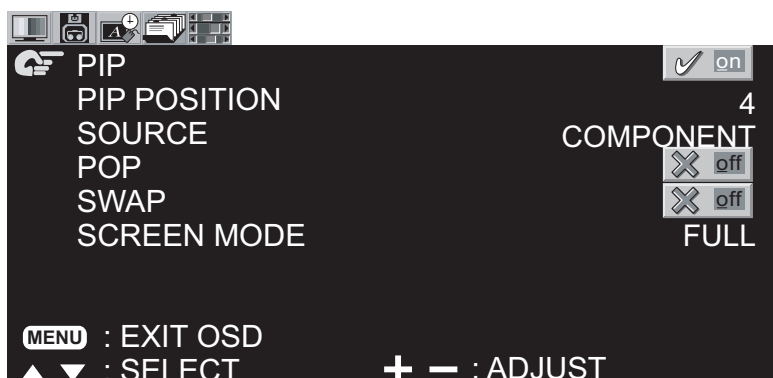
The following options are available from the System menu:

Option	Function
Current Time	Changes the time. Select this option and press – or ◀ to increment the hour field. Press + or ▶ to increment the minute field.
TV On Status	Enables and disables the TV On Timer.
TV On Timer	Enables you to set a time for the TV to power on. Select this option and press – or ◀ to increment the hour field. Press + or ▶ to increment the minute field.
Sleep Timer	Enables you to set a time that will elapse before the TV turns off. Options are from 0 (_ _ M) to 90 M in ten minute increments.
Language	Changes the OSD display language. The following options are available: French, Spanish, Italian, German, and English (default).
NR	Enables you to set Noise Reduction. Noise Reduction reduces the hiss the comes from audio. The options range from 0 – 100 in decibels.
Colour System	Enables you to set the color standard for the TV input signal. The following options are available: Auto: automatically detects the TV input signal and sets the color standard. PAL: (Phase Alternating Line) select this option when the TV input signal is PAL. SECAM L: select this option when the TV input is SECAM. NTSC M: (National TV Standards Committee) select this option when the TV input signal is NTSC.

Changing PIP settings



This menu enables Picture In Picture (PIP) and Picture-on-Picture (POP), and enables you to select the PIP/POP source, set the PIP position on the screen, and set the screen mode.



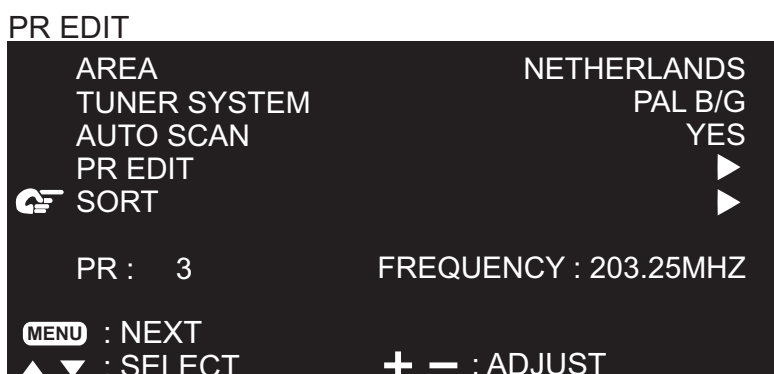
The following options are available from the PIP menu:.

Option	Function
PIP	Enables and disables PIP (Picture-in-Picture) mode. In PIP mode, one picture is displayed in full screen mode, while another picture is displayed in a window.
PIP Position	Enables you to set the position of the PIP window on the screen.
Source	Selects the source for the secondary image in the PIP mode. The options are: Off , AV , S-Video , TV , and Component .
POP	Enables and disables POP (Picture-on-Picture) mode. In POP mode, the screen is divided into two equal parts with a picture on each side.
Swap	Swaps the PIP image with the full screen image. You can also press Swap on the remote control to swap the images.
Screen Mode	Enables you to select a screen mode. The following options are available: 4 : 3 & Mode 1 ~ 4 : select this option to fit the display in the screen. Full : select this option to display a letter box view of the display. This display emulates the screen in a movie theatre.

Changing TV settings



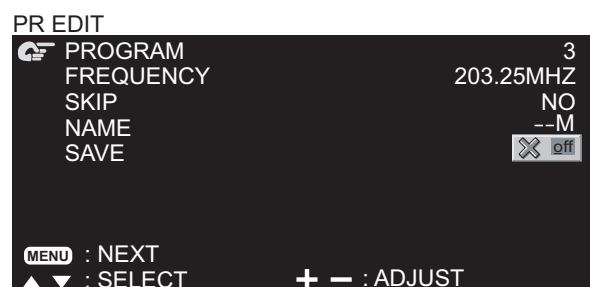
This menu enables to set the geographic area and tuner system being used when viewing TV. You can also automatically detect and edit them.



The following options are available from the TV menu:.

Option	Function
Area	Enables you to set your geographic location. Selecting your location automatically sets the Tuner System for the selected location. Select from: New Zealand, Netherlands, Italy, Germany, Spain, UK, France, China, Austria, and Others.
Tuner System	When Others is selected for Area, this field enables you to set the TV standard: Pal D/G, Pal I, Pal D/K, SECAM L.
Auto	Automatically scans for available channels.
PR Edit	Enables you to modify, add, or delete channels from the available channels.

Select PR Edit and press - /◀ or +/ ▶ to display the sub menu:



Program: press - /◀ or +/ ▶ to select a channel number.

Frequency: press - /◀ or +/ ▶ to change the frequency for the channel.

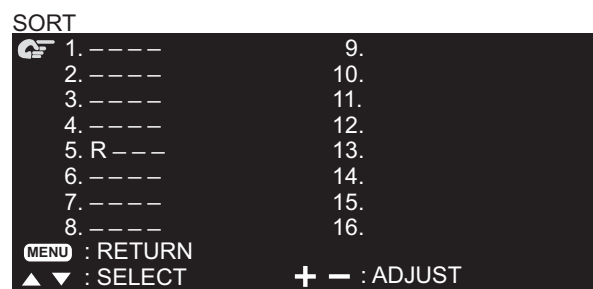
Skip: select YES to delete the channel from the channel list.

Name: press - /◀ or +/ ▶ to display a sub menu which enables you to select a name for the channel: Name1, Name2, or Name3.

Save: saves your settings.

Option	Function
--------	----------

Sort	<p>Enables you to sort channels on the channel list.</p> <p>Select PR Edit and press - /◀ or +/ ▶ to display the sub menu:</p>
------	--

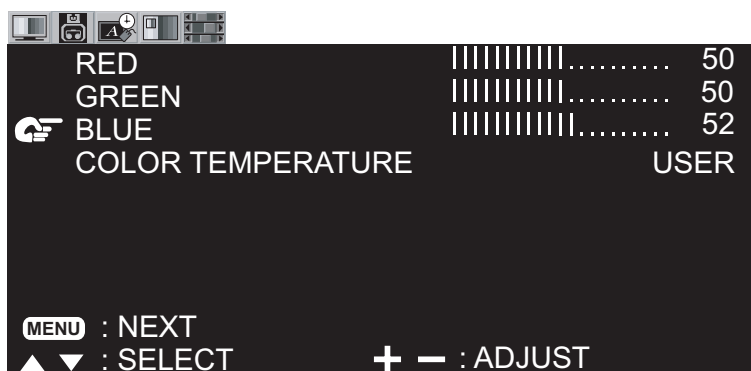


Select an item in the list, and press - /◀ to move the item down in the list. Press +/ ▶ to move an item up in the list.

Changing colour settings



This menu enables you to make changes to the colour settings for the LCD TV in PC mode.



The following options are available from the Colour Temperature menu

Option	Function
Red	Increasing this value makes images on the screen appear redder.
Green	Increasing this value makes images on the screen appear greener.
Blue	Increasing this value makes images on the screen appear bluer.
Colour Temperature	Enables you to set the colour temperature: Cool: sets the colour tone to cooler tones (more blue). Nature: sets the colour tone to natural colours. Warm: sets the colour tones to warmer tones (more red). User: sets the colour tones to the user-defined settings.

Specifications

Display		I/O ports	
Active screen size	32 inches	SCART	2
Aspect ratio	15:9	Component input (Y Cb/Pb Cr/Pr)	1
Brightness	470 cd/m ²	S input	1
Contrast	500:1	AV input	1
Resolution	1280 x 768	PC input	1
Response time	Tr: 18 ms, Tf: 15 ms	Audio jack input (L/R)	3
Viewing angle	170° / 170°	AV output	1
Tuner		PC audio out	1
Number of tuners	1	Head phone	1
Standards	B/G, D/K, L/L', I	Others	
Number of programs	128	User manual	✓
Colour system	PAL, SECAM	Wall mountable	✓
Video		Horizontal swivel	—
Colour system	PAL, SECAM, NTSC	Vertical tilt	—
Progressive scan	✓	Separated tuner box	1
2:2 pull down	✓	Dimensions (H*W*D)	620 mm x 1054 mm x 220 mm
Noise reduction	✓	Packing size (H*W*D)	715 mm x 950 mm x 355 mm
Audio		Gross weight	28.5 kg
Speakers	4		
Audio power	12W + 12W		
Sub woofer	—		
Stereo/NICAM	✓		
Audio mode	3		
Auto volume level	✓		
Surround sound	✓		
Functions			
Channel return	✓		
Channel edit	✓		
Channel name and sorting	✓		
Swap 4:3, 16:9	✓		
Zoom mode	4		
Video mode	3		
Picture setting	✓		
Sound setting	✓		
Clock	✓		
Timer off	✓		
Timer on	✓		
PIP/POP	✓		
Card reader	✓		
Teletext	✓		
Teletext pages	252		
OSD languages	5 (English, French, German, Spanish, Italian)		
No signal auto off	15 min.		

** All specifications are subject to change without notice.

Troubleshooting

No power

- Make sure the TV and the power cord are connected correctly.
- Check if you pressed **POWER** on the remote control unit. If the indicator on the front panel is red, press **POWER** on the remote control or the front panel.

LCD TV does not operate

- External influences such as lightning or static electricity may cause improper operation. In this case, operate the unit after first turning on the power, or unplugging the AC cord and plugging it in again after 1 or 2 minutes.

Power is cut off suddenly

- Check if the off timer or sleep timer are set.
- The unit's internal temperature has increased. Remove any objects blocking the vents and clean them to remove dust.

Remote control unit does not operate

- Check if the batteries are inserted with the polarity (+,-) correctly aligned.
- Check if the batteries are discharged. Please replace with new batteries.
- Make sure that you do not use the remote control under strong or fluorescent lighting.
- Check if there is a fluorescent light illuminated near the remote control sensor.
- The path of the remote control beam may be blocked; please make sure the path is clear and that the remote control is aimed at the remote control sensor on the TV.

No CATV reception (or no reception above CH13)

- CATV is connected improperly or not connected; please check all the CATV connections.
- The cable TV service is interrupted; please contact your cable operator.

Picture is cut off/with side bar screen.

- Check if the image position is correct.
- Check if the screen mode adjustments such as picture size are made correctly.

Strange colour, light colour, or colour misalignment

- Is the room too bright? The picture may look dark in a room that is too bright.
- Check the input signal setting.

Poor or no picture

- Is the TV station experiencing problems? Try another channel.
- The Cable TV signal may be scrambled or encoded. Please contact your local cable operator.
- Is connection to other components correct? (See *Basic connections* on page 9.)
- Has setup been done correctly after connection?
- Is the correct input selected? (See *Selecting the video inputs* on page 16.)
- Check if a non-compatible signal is being used as the input signal.

No sound

- Is the volume too low?
- The **MUTE** button may have been pressed, try pressing this button again.

Teletext not working

- The channel may have stopped broadcasting teletext; please try another channel.

Refer to the following information when ordering replacement parts or accessories:



Partmaster Direct can provide accessories, spares, batteries and replacement parts with Next Day Delivery available upon request.

Please call:

0870 600 1338

(UK customers only)

Calls charged at National Rate

...or visit our website at www.partmaster.co.uk