Goodmans

GTV17WLCD 17" WIDE SCREEN LCD TV MONITOR



OPERATION MANUAL

Important Safeguards

PRE FITTED MAINS PLUGS

For your convenience a mains plug has been fitted to this appliance. For your safety please observe the following information.

- 1. Should the fuse in the plug remove the plug from the wall socket and replace the fuse with a 3 Amp ASTA approved to BS 1362 fuse.
- 2. Never use the plug without the fuse cover fitted. Replacement fuse covers are available from your dealer or most electrical retail outlets.
- 3. If the cable of the mains plug is cut off the cable, rewire the replacement plug in accordance with instruction given in this manual.
- 4. CAUTION: Under no circumstances should the discarded plug be inserted mains socket. To prevent a shock hazard carefully dispose of the discarded plug. Do not leave the plug lying around where children might see it.

WARNING : To prevent fire or shock hazard do not expose this unit to rain or moisture.

CAUTION: DANGEROUS VOLTAGES EXIST INSIDE THIS UNIT. DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DISCONNECT FROM MAINS SUPPLY WHEN NOT IN USE.



The wires in this mains lead are coloured in accordance with the
following wiring codes:
BlueNeutral
Brown Live
The wires in this mains lead must
be connected to the terminals in
the plugs as follows:
Blue WireNor Black
Brown Wire L or Red
Only a 3 Amp fuse should be fitted
in the plug or a 5 Amp fuse at the
distribution board.

WARNING : UNDER NO CIRCUMSTANCES MUST THE LIVE OR NEUTRAL WIRES BE CONNECTED TO THE EARTH TERMINAL IN A 3-PIN MAINS PLUG.



This symbol means that this unit is double insulated. An earth connection is not required.

Accessories

Please make sure the following items are included with your LCD TV. If any items are missing, contact your dealer.



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1. Safety Precautions

CAUTION

CLEANING: Always disconnect unit from mains supply before attempting to clean it. Use soft cloth moistened with soapy water, wipe gently. Do not use solvents of abrasive materials.

SOME DO'S AND DONT'S ON THE SAFE USE OF EQUIPMENT

This equipment has been designed and manufactured to meet European safety standards but like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.

Do read the operating instructions before you attempt to use the equipment.

Do ensure that all electrical connections (Including the mains plug, extension leads and interconnections between pieces of equipment) are properly made in accordance with the manufacturer's instructions. Switch off and withdraw the mains plug when making or changing connections.

Do consult your dealer if you are ever in doubt of the installation, operating, or safety of your equipment.

Don't continue to operate the equipment if you are in any doubt about it working normally, or if it is damaged in any way-switch off, withdraw the mains plug and consult your dealer.

Don't remove any fixed covers as this may expose dangerous voltages.

Don't leave equipment switched on when it is unattended unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off using the switch on the equipment and make sure that your family knows how to do this. Special arrangements may need to be made for infirm or handicapped people.

Don't listen to headphones at high volume, as such use can permanently damage your hearing.

Don't obstruct the ventilation of the equiment, for example with curtains or soft furnishings. Overheating will cause damage and shorten the life of the equipment.

Don't allow electrical equipment to be exposed to rain or moisture.

Above all

- Never let anyone, especially children, push anything into holes, slots or any other opening as this could result in a fatal electric shock.
- Never guess or take chances with electrical equipment of any kind.
- It is better to be safe than sorry!

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. DANGEROUS HIGH VOLTAGES ARE PRESENT INSIDE THE ENCLOSURE. DO NOT OPEN THE CABINET. REFER SERVICING TO QUALIFIED PERSONNEL ONLY.

Important Notes

Hearing is very important to you and to us so please take care when operating this equipment. It is strongly recommended that you follow the listed guidelines in order to prevent possible damage or loss of hearing:

ESTABLISH A SAFE SOUND LEVEL

Over time your hearing will adapt to continuous loud sounds and will give the impression that the volume has in fact been reduced. What seems normal to you may in fact be harmful. To guard against this **BEFORE YOUR HEARING ADAPTS** set the volume at a low level.

Slowly increase the level until you can hear comfortably and clearly and without distortion.

Damage to your hearing is accumulative and is irreversible.

Any ringing or discomfort in the ears indicates that the volume is too loud.

Once you have established a comfortable listening level, DO NOT INCREASE THE SOUND LEVEL FURTHER.

The following list of typical sound levels may assist you in recognising just how loud you have set the volume level.

DECIBEL

Level dB

30dB	Quiet library, soft whisper.
40	Living room, fridge freezer bedroom away from traffic.
50	Normal conversation, quiet office, light traffic.
60	Electric sewing machine.
70	Vacuum cleaner, hair dryer, noisy restaurant.

Example

THE FOLLOWING NOISE CAN BE HARMFUL UNDER CONSTANT EXPOSURE

80dB Average city traffic, a	alarm clock buzzer at 2 feet, food mixer.
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- 90dB Motorcycle, heavy goods vehicle, petrol lawn mower.
- 100 Pneumatic drill, chain saw, garbage truck, discotec / nightclub.
- 120 Rock band concert, thunderclap.

PERMANENT LOSS OF HEARING

- 140 THRESHOLD OF PAIN Gunshot 2 feet away.
- 180 Rocket Launching pad.

2. Features

Your new LCD TV was designed with the latest technology and is a highperformance unit that includes the following special features:

- 1. The terminals include Tuner receiving terminal, PC Input, SCART (Video & RGB), Video, S-Video and Component (YCbCr / YPbPr) Input.
- 2. Rotate and tilt features for optimizing the viewing position.
- 3. Easy-to-use remote control.
- 4. Easy-to-use on-screen menu system
- 5. PIP, picture in picture, double screen: PC display(Main) and Video display (Sub) on the same screen.
- 6. Headphone socket for private listening.
- 7. 16:9 letter box format available depending upon source.
- 8. Built-in, dual channel speakers.
- 9. Fine tuning control for the sharpest picture possible.
- 10. A built-in NICAM sound decoder for stereo and bilingual listening.
- 11. Automatic programming system (A.P.S.) .
- 12. A sleep timer.
- 13. Adjustable picture and sound settings that are stored in the TV's memory.
- 14. Child lock function.
- 15. Full function Teletext.

3. Controls and Location

These buttons control your TV's basic features, including the on-screen menu. To use the more advanced features, you must use the remote control.



Remote sensor window

Aim the remote control towards this region on the TV.

Power indicator

A green indicator lights when the power is on and a red indicator lights when in the standby mode (the indicator will not light when the main power is off).

4. Remote Control

The remote control works almost same as ordinary TV remote control that includes the basic function needed while viewing a live video.





Summary of Remote Control Buttons

Selecting the Signal Source	(Page 11)
TV button PC button SCARTbutton VIDEO/S-V button COMPONENT button DISPLAY button	Switch to the TVmode. Switch to the PC mode. Switch to the Video mode or RGB mode from SCART. Switch to the Video mode from RCA socketor S-Video mode. Switch to the Component mode (YPbPr or YCbCr). Displaythe currents ource.
Menu Setting	(Page 15)
MENU/ENTER button UP/DOWN button VOL- / VOL+ button EXIT button	Displaythe main on-screen menu or enter the next menu. Press to select the item you want to adjust in the OSD menu. Press to decrease or increase the value in the OSD control bar. Exitfrom the menu.
Changing Programmes	(Page 19)
P-/P+ button 0 ~ 9 button DISPLAY button RTNbutton	Press P-or P+ to change Programmes in TV mode or Teletext page in TELETEXT mode. To select programmes directly in TV mode. Display the current programme digits. Press to return to the previous programme.
Sound Control	(Page 12, 22, 33)
VOL+/VOL- button MUTE button SOUND button	Press to turn up or turn down the volume. Press to switch the sound on or off. Press to choose Stereo, Bilingual and Monaural broadcasts.
Teletext Control	(Page 24)
TELETEXT button	Press to show the Teletext Service. Press again to return to TV Viewing.
Ei INDEXbutton	Press "INDEX" button to show the list of teletext contents.
HOLD button	Press "HOLD" button to stop the automatic page change.
EX UPDATE button	Press "UPDATE" button to switch to TV while waiting for the next text page.

= ?	REVEAL button	Press "REVEAL" button to display concealed information, such as
ŧ	EXPAND button	Press "EXPAND" button to enlarge the top half or botton half of the Teletextpage.
Ð	SUB-PAGE/TIME button	Press "SUB-PAGE/TIME " button to access to the sub-page you required.
MENU	outton	Press to display the Teletexts ubtitles directly in TELETEXT mode.
RTNbu	tton	Press to return to the previous viewed Teletext page.
PIP C	ontrol	(Page 30)
ON / OF	FF button	Press to watch one of the video sources on Sub-display, whilst in PC mode. Press again to turn off the Sub-display.
PIP Sou	urcebutton	Press to select the PIP window input source as :Pressbutton : TV \rightarrow SCART Video \rightarrow SCART RGB \rightarrow Video \rightarrow S-Video \rightarrow ComponentPressbutton : Component \rightarrow S-Video \rightarrow Video \rightarrow SCART RGB \rightarrow SCART Video \rightarrow TV
SIZEbu	utton	Tomake the PIP window double, large or small.
POSITION button		Press to move the PIP window to: Top Left \rightarrow Top Right \rightarrow Bottom Right \rightarrow Bottom Left \rightarrow Repeat.

NOTE: When you set Main-displayat 1280x768/1024x768 resolution of PC mode and Sub-display YPbPr, the screen will appear "Not Available". You should reduce the PC resolution to 800 X 600 or 640 X 480. The PIP function will then work.

Other Function	
RESETbutton	Reset to the original factory settings, such as the Luminance/Contrast/ ColorTemp.
ARC button	Set the picture window to Normal(4:3)→ Panscan→ Zoom → Full (16:9)
APC button	To select Clear, Dark, Nom al mode for picture control.
SLEEPbutton	Press to select a presettime interval for automatic power off.



SUB-PAGE/TIME	Press "Sub-Page/Time" to display the digital clock in TV mode.
button	

5. A.P.S. First Time Installation



- 1. After removing the LCD TV packaging, ensure the product is installed in a safe and well ventilated position.
- Insert two AAA type batteries into battery compartment on the rear of the remote control.
- 3. Make sure the 75 ohm external aerial and AC cord are properly connected.
- 4. Press the **POWER** button to switch the set on.
- 5. The APS (Automatic Programming System) menu will appear on the screen.

APS FUNCTION PRESS P+ BUTTON TO START

 After Pressing P+ button on your remote control, APS starts to scan UHF BAND from CH.21 to CH.69 to find available stations.

APS RUNNING PLEASE WAIT

- 7. After APS is finalised, the standard broadcasts will be memorized.
- Use the number buttons to directly access the standard broadcast.
 For example:

Pressing button 1, programme will switch to BBC1 Pressing button 2, programme will switch to BBC2 Pressing button 3, programme will switch to ITV Pressing button 4, programme will switch to Channel 4 Pressing button 5, programme will switch to Channel 5

9. You can also press **P+/P-** button on remote control to change programmes.

6. General Controls & Adjustment

Turning the LCD TV On and Off

Press the **POWER** button on the Remote Control. You can also use the **POWER** button on the top of the panel.

Notice: To turn the unit on, the power button must be held down at least 0.5 seconds before it is released. This is to prevent the unit from being turned on accidentally.

Viewing the Menus and On-Screen Displays

Viewing the Menus



1. With the power on, press the **MENU** button. The main menu appears on the screen.

Main Display Sub Display Contrast/Brightness Auto Image Adjust Image Colour Menu Setup Audio PIP Setup Reset Exit

Main Menu Screen

- Use the UP/DOWN button to select one of the menu options. Then press the ENTER button to access the menu's Sub-menu.
- 3. Press the **EXIT** button to exit from the Menu.

Notice: The menu varies with which input source is selected.

Switching between TV/PC/AV

- 1. Turn on the power of the connected video equipment.
- 2. Press the applicable button.



Press **PC** button to switch to PC mode.

Press **SCART** button once to switch to SCART Video mode (Composite Signal Input via SCART).

Press **SCART** button again to switch to SCART RGB mode (RGB Signal Input via SCART).

Press **VIDEO/S-V** button once to switch to Video mode (Composite Signal Input Via RCA Socket).

Press VIDEO/S-V button again to switch to S-Video mode.

Press **COMPONENT** button to switch to YCbCr or YPbPr.

Volume Control



Using Volume Control

Press **VOL+** or **VOL-** button to turn up or turn down the sound volume.

Using Mute

At any time, you can temporarily turn off the sound using the **MUTE** button.

- 1. Press the **MUTE** button and the sound cuts off.
- 2. Press the **MUTE** again or **VOL+ / VOL**button to turn the sound back to the previous level.

The mute function is automatically turned off if **VOL** + / **VOL** - *is pressed*.

Menu Items



- 1. Press the **MENU** button to display the main menu screen.
- 2. Press **UP/DOWN** button to select the desired menu item.
- 3. Press VOL+ / VOL- to make adjustments.
- Press the EXIT button to exit or press the MENU button to return to the previous screen.

Main Menu Screen

Main Display Sub Display Contrast/Brightness Auto Image Adjust Image Colour Menu Setup Audio PIP Setup Reset Exit

Setting the Sleep Timer



You can set the Sleep Timer to automatically turn off the LCD TV.

- **1.Press the SLEEP** button to display the Sleep Timer screen.
- 2. Press the **SLEEP** button repeatedly to change the sleep time (in minutes).

The time can be set to 30 minutes , 60 minutes or 90 minutes.

 $30 \text{ min} \rightarrow 60 \text{ min} \rightarrow 90 \text{ min} \rightarrow \text{off}$

Note :

The Sleep Timer screen automatically disappears in 3 seconds.

Contrast and Brightness Settings

You may need to perform separate adjustments for brightness and contrast for the different video modes. Typically, PC mode will be best viewed with lower brightness and contrast settings than are appropriate for the other modes.



- 1. Press the **MENU** button to display the main menu .
- 2. Press the **UP** or **DOWN** button to move cursor to Contrast / Brightness.
- 3. Press the **MENU** button to enter Contrast / Brightness.
- 4. Press the VOL+ / VOL- button to set the Brightness or Contrast.
- 5. Press the **EXIT** button to exit.

Main Menu Screen

Main Display Sub Display Contrast/Brightness Auto Image Adjust Image Colour Menu Setup Audio PIP Setup Reset Exit

Contrast / Brightness

Brightness Contrast Exit

Contrast

MAX

Contrast / Brightness

Brightness		
Contrast		
Exit		

Brightne ss

Setup Menu Settings



- 1. Press the **MENU** button to display the main menu screen.
- 2. Press the **UP** or **DOWN** button to move the cusor to Menu Setup.
- 3. Press the **MENU** button to enter Setup Menu.
- 4. This adjusts the blue background of the menu screens.
- 5. Decrease or increase the transparence of Menu.
- 6. Select **EXIT** to return to the main menu screen.

Main Menu Screen



Menu Setup

Transparence Exit

Transparence

Audio Menu Settings



- 1. Press the **MENU** button to display the main menu screen.
- 2. Press the **UP** or **DOWN** button to move the cusor to Audio Menu.
- 3. Press the **MENU** button to enter Audio Menu.
- 4. Press the **UP** or **DOWN** button to select the desired item (Bass, Treble or Sound Source)
- *Menu/Enter* 5. Press the **MENU** button to set the desired item (Bass, Treble or Sound Source).
 - 6. Select **EXIT** to return to the main menu screen.



Note:

When using the PIP feature in PC mode, you can listen to the sound of the sub screen instead of the main screen. To do so: 1.Select "Audio" 2.Select "Sound Source" 3.Select "Sub" Then adjust the volume of the Sub-display using **VOL+** or **VOL-**.

Audio Bass Treble SoundSource Exit Sound Source Main Sub Exit

Bass

Treble

7. TV mode Adjustment

Altering the TV Settings



- 1. Use the remote controlTV button to set the input source to "TV" mode.
- 2. Press the **MENU** button to display the main menu screen.
- 3. Press the **UP** or **DOWN** button to move the cusor to programmes.
- 4. Press the MENU button to enter.
- 5. Press the **UP** or **DOWN** button to the desired item.
- 6. Press the **MENU** button to set the desired item.
- 7. Select **EXIT** to return to the main menu screen.

Main Menu Screen



Programmes



A.P.S. Settings



- 1. Press the **MENU** button to display the main menu screen.
- Press the UP or DOWN button to move the cusor to Programmes and press MENU button.
- 3. Selecting A.P.S. and then pressing **MENU** button, APS starts to scan UHF BAND from CH.21 to CH.69 to find available stations.

APS RUNNING PLEASE WAIT

 After APS is finalised, the standard broadcasts will be memorized to PR. 1~5. Other programmes will be memorized to PR.6 or higher.

Main Menu Screen

Main Display Contrast/Brightness Colour/Sharpness MenuSetup Audio **Programmes** ChildLock Reset Exit

Programmes



Changinging the Programmes

Your TV can memorize and store all of the available programmes after running A.P.S. After the available programmes are memorized, use the **UP** or **Down** button to scan through the programmes. You can also directly access the standard broadcasts by pressing the **NUMBER** buttons.

Directly Accessing Channels

Use the NUMBER buttons to quickly turn programmes.

For example, to select channel 27, press "2" then "7". The TV will change channels when you press the second number.

For example: Press button 1, programme will switch to BBC1 Press button 2, programme will switch to BBC2 Press button 3, programme will switch to ITV Press button 4, programme will switch to Channel 4 Press button 5, programme will switch to Channel 5

Erasing the Programmes

- 1. Use the **NUMBER** buttons to directly select the programme that will be erased.
- 2. Press **MENU** button \rightarrow select "Programmes" \rightarrow select "Erase programme" to erase the programme you selected.

Note:

If you want to recover all available programmes, run A.P.S. function again. All the erased programmes will be recovered.

Fine Tuning

- 1. Use the number buttons to directly select the programme that will be fine tuned.
- 2. Press **MENU** button → select "Programmes" → select "Fine Tune" to tune the Programme you selected.

Main Menu Screen
MainDisplay
Contrast/Brightness
Colour/Sharpness
MenuSetup
Audio
Programmes
ChildLock
Reset
Exit

Programmes

A.P.S. EraseProgramme Fine Tune Exit

Setting the CHILD LOCK

The CHILD LOCK feature automatically locks out the programme that you selected.



Setting Up Your Personal IDNumber (PIN)

- 1. Press the **MENU** button to display the main menu.
- Press the UP or DOWN button to move the cursor to Child Lock, and then press the ENTER button.
- 3. The "Please Enter Pin" screen will appear. At first time, you must enter 1111 (initial code).
- 4. Select Channel Lock.
- 5. Press **ENTER** button. **"on"** will appear on the right side and the current programme will be locked
- 6. Press **ENTER** button again. "**off**" will appear on the right side and the current programme will be unlocked.
- 7. Select Change Pin, if you want to change the Pin. As soon as the 4digits are entered, the "Confirm new Pin" screen appears. Re-enter the same 4-digits. When the Confirm screen disappears, your PIN has been memorized. Press the **EXIT** button to exit.

Main Menu Screen
MainDisplay
Contrast/Brightness
Colour/Sharpness
MenuSetup
Audio
Programmes
Child Lock
Reset
Exit

Please Enter Pin

Channel Lock On **Change Pin** Exit

NICAM Broadcast Selection

Choosing a NICAM broadcast



Depending on the particular program being broadcast, you can press the **SOUND** button to listen to stereo, bilingual or monaural.

- 1. Press the **SOUND** button directly to display the three states on the top right of the screen.
- 2. Press the **SOUND** button repeatedly to select the following states.

Stereo broadcast

Each time you press **SOUND**, the mode changes between "Stereo" and "Mono".

When "Mono" is selected, the TV sound is output monaurally.

-In stereo reception, if the stereo signal is weak, you can switch to "Mono".

Bilingual broadcast

Each time you press SOUND, the mode changes as follows:

$\mathbf{A} \rightarrow \mathbf{B} \rightarrow \mathbf{A} \mathbf{B} \rightarrow \mathbf{Mono}$

- -A sends the primary broadcast language to the loudspeakers.
- -B sends the secondary broadcast language to the loudspeakers.
- -A/B sends a seperate language to each loudspeaker.

Monaural broadcast

Each time you press **SOUND**, the mode changes between "Nicam" and "Mono".

Colour/Sharpness Settings



- 1. Press the MENU button to display the main menu screen
- 2. Press the UP or DOWN button to move the cusor to Colour/Sharpness.
- 3. Press the **MENU** button to enter.

Menu/Enter

- 4. Press the UP or DOWN button to the desired item (Colour Saturation or Sharpness).
- 5. Press the **MENU** button to set the desired item (Colour Saturation or Sharpness).
- 6. Select **EXIT** to return to the main menu screen.

Main Menu Screen



Colour/Sharpness

Colour Saturation Sharpness Exit



8. TELETEXT

Teletext is a free service broadcast by most TV stations which gives up-tothe-minute information news, weather, television programmes, share prices, subtitles, and many other topics.

Note : No OSD adjustment apart from volume control will be available in teletext mode . In teletext mode, NUMBER buttons, MENU, P+/P- and RTN buttons are used for Teletext function.

To operate TELETEXT

- * Select a TV station on which Teletext is being transmitted .
- * Press the **TELETEXT** button once to appear the teletext screen
 - Two page numbers, TV station name, date, and time are displayed on the screen headline. The first page number indicates your selection, while the second shows the current page displayed.
- * Press the **TELETEXT** button again to switch off teletext . The previous programme reappears.

Teletext Page Selection

- 1. Enter the required Teletext page as a three digit numbers.
 - The selected page number is displayed at the top left corner of the screen. The Teletext page counter searches until the selected page number is located , so that the desired page is displayed on the screen.
- 2. The **P+ / P-** button can be used to select the preceding or following page .
- 3. Fastext movement by the 4 coloured buttons .
 - Four subject-heading pages can be selected quickly by pressing the corresponding coloured button Red, Green, Yellow, or Blue on the remote control handset.

To operate SUBTITLE

- 1. Select a required TV programme.
- 2. Press the **TELETEXT** button.
- 3. Press the **MENU** button to display subtitle directly.

Useful features for Teletext



* Press this button to select the index page that displays the list of teletext contents .



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 on a sub-page.

- * Press HOLD button to stop the automatic page change.
 - The HOLD symbol will be displayed at the top left-hand corner on the screen and the automatic page change will be stopped.
- * Press HOLD button again to continue.

In the Teletext mode, pressing **UPDATE** button will switch the screen to the TV mode while waiting for the next text page.

- * Select required page number in Teletext mode.
- * Press UPDATE button to switch to TV mode while waiting for the text page. A small blue box in which "- - -" shows appears on the upper left corner.
- * When the required text page is found, the required page number appears in the blue box.
- * Press **UPDATE** button again to revert to Teletext mode.

■? REVEAL

- * Press this button once to display concealed information, such as solutions of riddles, puzzles, or a quiz.
- * Press this button again to conceal the revealed answers.

Select double height text.

- * Press this button to enlarge the top half of the page.
- * Press this button again to enlarge the bottom half of the page.
- * Press this button once more to return to the normal display.

SUB-PAGE / TIME

 $\underline{\mbox{In Teletext mode}}$, sub 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. (e.g. 524)
- * **Press SUB-PAGE** button. "S****" will be display on the upper left corner.
- * Select the required sub page number by pressing four digit buttons (e. g. 0001).
 - If the selected sub page is not displayed in a short time , press **UPDATE** 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 SUB-PAGE button twice to return to normal page sequence.

In TV mode , press this button to display the time .

- * While watching a TV programme with Teletext transmission press **TIME** button. The current time information will be displayed on the upper right corner of the screen .
- * The time information will disappear after pressing TIME button again .

9. PC mode Adjustment

Press the **PC** button to directly switch to PC mode. If PC input timing isn't the LCD TV's preset timing (refer to page 40), press Auto Image Adjust to optimize the image. If it still has Horizontal interference on screen, adjust Fine Tune to correct the phase.

Image Settings



- 1. Press the **MENU** button to display the main menu screen.
- 2. Press **UP** or **DOWN** button to move the cusor to Image Adjust.
- 3. Press the **MENU** and then Image adjust button to enter Image adjust.
- 4. Press the **UP** or **DOWN** button to the desired item (H. /V. Position, H. Phase, Fine Tune).
- Press the MENU button to set the desired item (H. /V. Position, H. Phase, Fine Tune).
- 6. Select EXIT to return to the main menu screen.



Main Menu Screen

Image

H. /V. Position
H.Phase
FineTune
Exit

H. /V. Position

H.Position V.Position Exit







Colour Settings



- 1. Press the **MENU** button to display the main menu screen.
- 2. Press the **UP** or **DOWN** button to move the cusor to Colour Adjust.
- 3. Press the **MENU** button to enter Colour Adjust.
- 4. Press the **UP** or **DOWN** button to the desired item (Cool, Neutral, Warm,or User Colour).
- 5. Press the **MENU** button to set the desired item (Cool, Neutral, Warm,or User Colour).
- 6. Select **EXIT** to return to the main menu screen.

Main Menu Screen

Main Display Sub Display	
Contrast/Brightness	
Auto Image Adjust	
Image	
Colour	
Menu Setup	
Audio	
PIP Setup	
Reset	
Exit	
	-

Colour

Cool Neutral Warm **User Colour** Exit

User Colour Red Green Blue Exit Red Green MAX Green MAX Blue MAX

10. Viewing Picture-in -Picture (PIP)

PIP: When you select PC source as main display, you can also select another source TV, SCART, Video, S-Video, or Component (YPbPr/ YCbCr) as sub-display.

You can use the PIP feature to watch two video sources simultaneously . (This function works in PC mode only.)



Activating Picture-in-Picture

Quick way to access the PIP Setup menu : Simply press the **ON/OFF** Button on the remote control or select sub display sources in the menu.

- 1. Press the **MENU** button to display the main menu screen.
- 2. Press the **UP** or **DOWN** button to select the PIP Setup.
- 3. Press the **MENU** button to enter PIP Setup.
- PIP ON/OFF 4.Press the UP or DOWN button to thePIP Sourcedesired item (PIP Position, PIP BorderPositionWidth, PIP Border Color, PIP H/V Ratio).
 - 5. Select EXIT to return to the main menu screen.

Selecting a Signal Source for PIP: Press the PIP SOURCE UP/DOWN button

repeatedly to cycle through all of the available signal sources :

TV, SCART, Video, S-Video, Component (YPbPr/ YCbCr).

Changing the Position of the PIP Window:

When you press the **POSITION** button repeatedly , the PIP window moves from corner to corner on the TV screen.

Changing the Size of the PIP Window:

Press the **SIZE** button to alternate between a smaller and Larger PIP window.

Main Menu Screen

Main Display Sub Display Contrast/Brightness Auto Image Adjust Image Colour Menu Setup Audio **PIP Setup** Reset

Exit

PIP Setup

PIP Position

PIPBorder Width PIPBorder Colour PIPH/VRatio Exit

PIP Position

PIP H Position PIP V Position Exit

PIP Setup

PIPPosition PIPBorder Width **PIP Border Colour** PIP H/V Ratio Exit

PIP Border Colour

PIP H/V Ratio

MAX

PIPPosition PIPBorder Width PIPBorder Colour **PIP H/V Ratio** Exit



PIP Setup

PIPPosition PIP Border Width PIPBorder Colour PIP H/V Ratio Exit

PIP Border Width

11. AV mode Adjustment

The Video sources include SCART Video/SCART RGB, Video, S-Video, YCbCr/YPbPr. You can select by pressing **SCART**, **Video/S-V**, or **COM-PONENT** button.

Altering the VIDEO Adjust Settings :



- Note: 1. ALL the adjustment items in AV Menu are described in TV mode menu, so please refer to the TV mode Adjustment.
 - **2.** Using the PIP function with Component mode (YCbCr, YPbPr) as the sub-display requires that the PC resolution be set at no higher than 800 x 600.

12. Other Functions

- 1. To use "Channel up/down" on the unit control panel as function buttons
 - When you press "**MENU**" to go into OSD, "**CH up/down**" will become the up/down function control buttons.
- 2. TO use "- VOL +" as level control buttons
 - When you press "**MENU**" to go into the sub control bar, then the level can be adjusted by the "-VOL+" buttons.
- 3. To use " -VOL +" as Mute control buttons
 - When you press both "**VOL+**" and "**VOL-**" buttons on the upper control panel simultaneously, the sound will be muted.
 - If you need to switch on the sound again, then either press "**MUTE**" button on the remote control unit or press any "**VOI** +" or " **VOL-**" button

(on the remote control unit or on the LCDTV itself).

- 4. "Aspect" button (Screen Aspect Ratio)
 - ARC Aspect Ratio Control
 - ***Normal:** This sets the aspect ration to 4:3 for traditional TV programs. There will be black bars at either side of the screen.
 - ***Panscan:** Expands 4:3 video sources to fit the 16:9 screen by magnifying the image at the edges of the screen. This creates less distortion at the center of the screen.
 - ***Zoom:** Some DVD movies may not fill the top and bottom of the screen. The zoom function extends the height to fill the screen.
 - *Full: This mode expands the width of 4:3 video sources evenly to fill the 16:9 screen. There will be distortion at the center of the screen as well as the edges.

- 5. "APC" control button (Automatic Picture Control)
 - Press "**APC**" button on the remote control repeatedly to cycle through the APC settings. These settings are "Normal", "Clear" or "Dark". For example, when the screen is showing night scene or darker screen, you can use APC to change the screen to " Clear" and get a brighter picture. If the screen is too bright, you can use this APC button to change the screen to "Normal" or "Dark".

13. Connecting External Devices





Note:

- Audio out: The level of audio output cannot be changed using the volume, treble, and bass controls on your TV. This connector should be used with an external audio amplifier that can be used to control the volume.
- VCR Recording: The main display must set to TV mode in order to use the audio and video output to record a programme using a VCR.
- PIP sound: When using the PIP feature in PC mode, to hear the Sub display sound you must set the sound to "sub". (See page 16 for details)

14. Troubleshooting

There is no picture or sound.

•	Make sure the AC adapter is properly inserted in the power outlet.
•	Make sure the input mode is set to TV.
•	Make sure the main power switch of the main unit is on.

There is no picture .There is no picture from AV.



- Make sure the Contrast/Brightness is properly adjusted.
- Make sure all external devices are connected properly.

There is no sound.

•	Make sure the volume is not set to minimum . Make sure the sound is not set to mute. Make sure that headphones are not connected.

There is no picture or sound, just noise.

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- The reception may be weak.
- Make sure the aerial is not disconnected.

Picture is not clear.



- The reception may be weak.
- Make sure the aerial is not disconnected.

Picture is too light.



- Check colour adjustment .
- Check colour system setting.

The picture is too dark.



- Check if the APC button is set to "Dark".
- Check Contrast/Brightness adjustment.

Remote control does not work.



- Check the batteries in the remote control are not flat.
- Make sure the remote sensor window is not under strong lighting.

The picture is not sharp.



- The reception may be weak.
- Make sure the aerial is not disconnected.

The picture moves.



- The reception may be weak.
- Make sure the aerial is not disconnected.

The picture is doubled or tripled.



- Make sure the aerial is facing the right direction.
- There may be reflected electric waves from mountains or buildings.

The picture is spotted.



- There may be interference from automobiles,trains, high voltage lines, neon light, etc.
- There may be interference between the antenna cable and power cable. Try placing them further apart.

There are stripes on the screen or colors fade.



- Is the unit receiving interference from other devices. Transmission antennas of radio broadcasting station and transmission antennas of amateur radio and cellular phones may also cause interference.
- Use the unit as far apart as possible from device that may cause possible interference.

15. Dimensions



Unit : inch (mm) Note:

- A: Attach small cable clamp here
- B: Attach large cable clamp here
- C: Kensingtone slot

16. PC Input Preset Timing Table

Analog Input								
Mode No.	Mode Name Resolution	Mode NameH.Freq.(KHZ)H. PolarityResolutionV.Freq.(HZ)V. Polarity						
1	VGA 70HZ 640*350	31.469 70.087	+ -	25.175				
2	VGA 60HZ 640*480	31.469 59.941		25.175				
3	VGA 72HZ 640*480	37.861 72.81		31.5				
4	VGA 75HZ 640*480	37.5 75.0		31.5				
5	SVGA 56HZ 800*600	35.16 56.25	+++++	36.0				
6	SVGA 60HZ 800*600	37.879 60.317	+++++	40.0				
7	SVGA 72HZ 800*600	48.077 72.188	+++++	50.0				
8	SVGA 75HZ 800*600	46.875 75.0	+++++	49.5				
9	XGA 60HZ 1024*768	48.363 60.004		65.0				
10	XGA 70HZ 1024*768	56.476 70.069		75.0				
11	XGA 75HZ 1024*768	60.023 75.029	+++++	78.75				
12	MAC VGA 640*480	35.0 66.667	-	30.24				
13	MAC VGA 832*624	49.725 74.550		57.283				
14	US TEXT 720*400	31.469 70.087	- +	28.322				
15	WXGA 60HZ 1280*768	47.733 60.042		80				

17. Specifications

	ITEMS	SPECIFICATION						
	ScreenSize	17" Wide TFT-LCD Panel (Fujitsu)						
	AspectRatio	16:9						
	Resolution	1280x768 (Wide-XGA)						
Display	ContrastRatio	400:1 (typical)						
	Brightness	430 cd /m2 (typical)						
	ViewingAngle	160 ° (Hor.) / 160 ° (Ver.)						
	OSDlanguage	English						
	TVStandard	PAL I						
	SoundSystem	NICAM						
IVFunction	A.P.S.	Automatic Programming System for UK						
	Teletext	10Pages						
	Colorsystem	NTSC / PAL						
	AV1 (In/Out)	21-pin SCART (RGB/Video) x 1						
		Video (Composite) x 1						
Video I/O		S-Video x 1 Audio L/R						
	AV2 (In)	Component(YCbCr & YPbPr) x 1 x 1						
		(EDTVSystem :480i , 480P)						
	AV3 (Out)	Video (Composite) x 1 (TV only)						
	Signal I/P	Analog: D-Sub15 pin (detachable cable)						
	PnPcompatibility	DDC/2B						
		Analog: fH: 31.5KHz to 60KHz						
	I/P Flequency	fV: 56Hz to 75Hz						
	Recommended	Analog : 1024x768 (60Hz)						
	HDTV ready(via D-Sub 15Pin)	HDTVSystem : 720P , 1080i						
		Speaker (Built-in): 3.5W+3.5W(rms)						
Audio O/P	Audio O/P:L/R	Headphone Mini-jack for stereo (3.5)						
		Line Out (RCAL/R) for TV only						
FunctionKeys	Power, Source, Menu, Up/Down	Channel), +/-(Volume), Aspect ratio						
Other	PIP (Picture in Picture)	Yes						
Functions	AspectRatio Switch	$Normal \rightarrow Panscan \rightarrow Zoom \rightarrow Full$						
Tunctons	VESAFlat Panel Wall Mounting	100mmx100mm						
	PowerSupply	DC 12V , AC 100V~ 240V , 50 / 60Hz						
Power		(external AC adapter)						
	PowerConsumption	<60 W						
ResponseTime	ton / t off	15ms/10ms						
PanelTilt	Forwards/Backwards/Rotation	-5°/+20°/±180°						
Dimonsion	WxHxD	520mm x 303mm x 72mm						
Dimension	WxHxD (with stand)	520mm x338mm x200mm						
Weight(net)	Kg(w/oAccessories)	6.3Kg						
Accessories	Remote Control, Batteries, AC Adapter, AC cord, D-sub Signal Cable, Cable Clamps, Operation manual, Warrantycard.							