# SHARP.



## LC-26A37M LC-32A37M LC-37A37M

### LCD COLOUR TELEVISION

## **OPERATION MANUAL**

### Supplied accessories





Operation manual





Stand base



Stand unit

Screws (× 4)

### Contents

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# AQUOS



AC cord

HDMI

### **Dear SHARP customer**

Thank you for your purchase of the SHARP LCD colour TV product. To ensure safety and many years of trouble-free operation of your product, please read the Important Safety Precautions carefully before using this product.

### **Important Safety Precautions**

- Cleaning Unplug the AC cord from the AC outlet before cleaning the product. Use a damp cloth to clean the product. Do not use liquid cleaners or aerosol cleaners.
- Water and moisture Do not use the product near water, such as bathtub, washbasin, kitchen sink, laundry tub, swimming pool and in a wet basement.
- Do not place vases or any other water-filled containers on this product. The water may spill onto the product causing fire or electric shock.
- Stand Do not place the product on an unstable cart, stand, tripod or table. Doing so can cause the product to fall, resulting in serious personal injuries as well as damage to the product. Use only a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the product. When mounting the product on a wall, be sure to follow the manufacturer's instructions. Use only the mounting hardware recommended by the manufacturer.
- When relocating the product placed on a cart, it must be moved with utmost care. Sudden stops, excessive force and uneven floor surface can cause the product to fall from the cart.
- Ventilation The vents and other openings in the cabinet are designed for ventilation. Do not cover or block these vents
  and openings since insufficient ventilation can cause overheating and/or shorten the life of the product. Do not place the
  product on a bed, sofa, rug or other similar surface, since they can block ventilation openings. This product is not designed
  for built-in installation; do not place the product in an enclosed place such as a bookcase or rack, unless proper ventilation
  is provided or the manufacturer's instructions are followed.
- The LCD panel used in this product is made of glass. Therefore, it can break when the product is struck forcefully or with a sharp object. If the LCD panel is broken, be careful not to be injured by broken glass.
- Heat sources Keep the product away from heat sources such as radiators, heaters, stoves and other heat-generating products (including amplifiers)
- To prevent fire, never place any type of candle or naked flames on the top or near the TV set.
- To prevent fire or shock hazard, do not place the AC power cord under the TV set or other heavy items.
- Do not place heavy objects on this product or stand on it. Doing so could cause injury if the product overturns. Take special care near children and pets.
- The LCD panel is a very high technology product with 1,049,088 pixels, giving you fine picture details. Due to the very large number of pixels, occasionally a few non-active pixels may appear on the screen as a fixed point of blue, green or red.

This is within product specifications and does not constitute a fault.

• Precautions when transporting the TV

When transporting the TV, never carry it by holding or otherwise putting pressure onto the display. Be sure to always carry the TV by two people holding it with two hands - one hand on each side of the TV.

- Do not display a still picture for a long time, as this could cause an afterimage to remain.
- Install the product on the place where the AC cord can be unplugged easily from the AC outlet, or from the AC INPUT terminal on the rear of the product.

### Trademarks

 "HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC."

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### Attaching the stand

- Before attaching (or detaching) the stand, unplug the AC cord from the AC INPUT terminal.
- Before performing work spread cushioning over the base area to lay the TV on. This will prevent it from being damaged.
- 1 Confirm the screws supplied with the TV.

Screws (×4) (used in step 3)

- 2 Insert the stand base to the stand post on the bottom of the TV. (1)
- 3 Insert and tighten the 4 screws into the 4 holes on the bottom of the stand base. ((2))

• To detach the stand, perform the steps in reverse order. \* When installing the Liquid Crystal Television on a wall

mount bracket, it is necessary to remove the stand post.



Remove 4 Screw and Stand Post

## Setting the TV

Place the TV close to the AC outlet, and keep the power plug within reach.



#### Antenna

Connect the antenna cable from your antenna-/cable socket or the (room-/roof) antenna for antenna input terminal on the back of your TV set to receive signals from broadcasting stations.

An indoor antenna can also be used under good reception conditions. Passive and active room antennas are offered commercially. In an active antenna its power is supplied via the antenna input terminal.

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console/Camcorder

#### VCR/Game console/Camcorder

#### Connecting a DVD player/Digital TV Set Top Box (STB)

You can use the INPUT 1/INPUT 2 (HDMI). INPUT 3/INPUT 4 terminals when connecting to a DVD plaver/ Digital TV Set Top Box (STB) and other audiovisual equipment.

When using HDMI-certified cable (commercially available)

#### When using component cable (commercially available)







#### **Connecting a PC**

You can use the INPUT 6 (PC) terminals when connecting to a PC.





## **Connecting external devices**

You can connect many types of external equipment to your TV, like a VCR, game console, camcorder, DVD player, Digital TV Set Top Box (STB) and PC. To view external source images, select the input source from **TV/VIDEO** on the remote control unit or **TV/VIDEO** on the TV.

#### 

- To protect all equipment, always turn off the TV before connecting to a VCR, game console, camcorder, DVD player, Digital TV Set Top Box (STB), PC or other external equipment.
- Refer to the relevant operation manual (VCR, DVD player, etc.) carefully before making connections.

#### Connecting a VCR, game console or camcorder

A VCR, game console, camcorder and some other audiovisual equipment can be conveniently connected using the INPUT 3/INPUT 4 or INPUT 5 terminals.

For Input 5, when the S-video terminal and composite video terminals are both used, the S-video input takes priority over the composite video terminal and S-video picture will be automatically displayed.

#### When using component cable (commercially available)



### **Remote control unit**



#### 1 POWER (STANDBY/ON)

To switch the power on and off. (See page 7.) **2 DISPLAY** 

Display the channel or input information.

- 3 0-9
- Set the channel.

4 \$\vec{5}\$ (Flashback) Press to return to the previous selected channel or external input mode.

5 WIDE

Change the wide image mode. (See page 12 and 13.)

#### Inserting the batteries

Before using the TV for the first time, insert two "AA" size batteries (supplied). When the batteries become depleted and the remote control fails to operate, replace the batteries with new "AA" size batteries.

16 PC

**17 MENÚ** 

6 FREEZE

ENTER

9 AV MODE

11 🕸 (Mute)

12 MPX

10 SLEEP

8 EXIT

7 A/V/A/ Cursor

Execute a command.

Return to the default screen.

Freeze a motion picture on the screen. (See page 12.)

Select a desired item on the setting screen.

Select an audio and video setting. (See page 8.)

remaining time switches as shown below.

remaining time displays each minute.

0hr.30min. → 1hr.00min. → 1hr.30min. ↑ 0ff ← 2hr.30min. ← 2hr.00min.

Press again  $\rightarrow$  Restores sound.

Select the sound multiplex mode.

TV input mode: Select the channel.

 $(\Lambda)$  Increase the channel number.

 $(\bigvee)$  Decrease the channel number.

(+) Increase the volume.
 (-) Decrease the volume.

15 TV/VIDEO (INPUT SOURCE)

Directly select the PC terminal.

Select an input source.

Press  $\rightarrow$  Mutes sound.

pressing **VOL** +.

13 VOL+/VOL-Set the volume.

14 CH/\/CH\/

Set the Sleep timer. Each time you press SLEEP, the

• Five minutes before the preset of time expires, the

Mute will be cancelled after 30 minutes. However, the TV

will not suddenly output loud sound as the volume level will be set to 0 automatically. Increase the volume level by

- **1** Open the battery cover.
- 2 Insert the two supplied "AA" size batteries.







Part names

#### TV (Front/Side)



#### TV (Rear)



The illustrations in this operation manual are for explanation purposes and may vary slightly from the actual operations.
The illustrations used throughout this manual are based on LC-26A37M.

Image: Image

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#### Display the menu screen. **18 RETURN** MENU mode: Return to the previous menu screen.

**3** Close the battery cover.

### Turning the TV on/off

#### Turning on the power

#### Press POWER on the TV.

- POWER indicator (Green): The TV is on. (After a few seconds, an image appears with sound.)
- After turning the power "ON" by pressing **POWER** on the TV, you can turn the power ON/OFF by pressing **POWER** on the remote control.

#### Turning off the power

#### Press **POWER** on the remote control.

- The TV enters standby mode and the image on the screen disappears.
- The POWER indicator on the TV changes from green to red.

#### Press **POWER** on the TV.

• The POWER indicator on the TV turns off.

• When the TV is turned off by **POWER** on the TV, you cannot turn on the power by pressing **POWER** on the remote control.

#### **POWER** indicator

Light off	Power off
Lighted (Red)	The TV is in standby mode.
Lighted (Green)	The TV is on.

#### **NOTE**

- If you are not going to use this TV for a long period of time, be sure to remove the AC cord from the AC outlet.
- Minor power is consumed when the unit is in standby mode.

### **Auto Installation**

You can run auto installation again, even after setting up the preset channels.

- **1** Press **MENU** and the MENU screen displays.
- 2 Press **∢**/**▶** to select "Setup".
- 3 Press ▲/▼ to select "Auto Installation", and then press ENTER.
- 4 If you have already set the Password, enter it here.
  - See pages 10 to 11 for setting a password.

### \_ \_ \_ \_

- 5 Press **∢**/**▶** to select "Yes", and then press **ENTER**.
- 6 Press ▲/▼ to select the desired language listed on the screen, and then press ENTER. Press ◀/► to select "HOME" or "STORE", and then press ENTER.
  - Press ▲/▼ to select the desired sound system, and then press ENTER. You do not need to do anything during the auto search. Press RETURN to exit.

### **Programme Setup**

#### Auto Search

You can also automatically search by performing the procedure below. This is the same function as programme auto search in auto installation.

- **1** Press **MENU** and the MENU screen displays.
- 2 Press **◄/**► to select "Setup".
- **3** Press  $\blacktriangle/\nabla$  to select "Programme Setup", and then press **ENTER**.
- 4 If you have already set the Password, enter it here.
  - See pages 10 to 11 for setting a password.
  - \_ \_ \_ \_

6

- **5** Press  $\blacktriangle/\Psi$  to select "Auto Search", and then press **ENTER**.
  - Press  $\triangleleft/\triangleright$  to select "Yes", and then press **ENTER**.

Press  $\blacktriangle/ \forall$  to select the desired sound system, and then press **ENTER**. Press **RETURN** to exit.

#### Manual Adjust

You can set some channel item manually.

- **1** Repeat steps 1 to 4 in **Auto Search**.
- 2 Press ▲/▼ to select "Manual Adjust", and then press ENTER.
- 3 Press **◄**/**▶** to select "Yes", and then press **ENTER**.
- 4 Press ▲/▼/</▶ to select the channel you want to edit, and then press ENTER.</li>
  The selected channel information displays.
- **5** Press  $\blacktriangle/ \lor$  to select the desired menu, and then press **ENTER**.
- 6 Press ▲/▼ or ◀/► to select the desired item or adjust the item to the desired level. Press ENTER if necessary.

#### Search

The next channel will be search in order.

#### Fine

You can adjust the frequency to your desired position.

#### **NOTE**

- Adjust while checking the background picture as a reference.
- Instead of pressing ◄/► to adjust the frequency, you can set by directly entering the frequency number of the channel with 0 9.

Image: The second s

### **Programme Setup (Continued)**

#### EXAMPLE

- 179.25 MHz: Press 1 → 7 → 9 → 2 → 5.
   49.25 MHz: Press 4 → 9 → 2 → 5 → ENTER.
- Colour System

Select the optimum colour system to receive. (AUTO, PAL, SECAM, NTSC3.58)

#### Sound System (Broadcasting system)

Select the optimum sound system (Broadcasting system) to receive. (B/G, D/K, I, M)

#### Label

When a TV channel sends its Network Name, the auto installation detects the information and assigns a name to it. However, you can change individual channel names.

- **1** Repeat steps 1 to 5 in **Manual Adjust**.
- 2 Press ▲/▼/◀/► to select each character of the new name for the channel, and then press ENTER.
  - Repeat until the name is fully spelt out.
  - The name can be 5 characters or less.
  - When you want to set a channel name of less than 5 characters, select "END".

#### Skip

Channels with "Skip" set to "On" are passed over when using CH/VV even if selected while watching the image from the TV.

#### Lock

You can block the viewing of any channel.

#### **NOTE**

- See "Child Lock" for setting a Password.
- If "Lock" is set to "On" for a channel, "Child lock has been activated." is displayed when you select the channel, and the image and sound of the channel is blocked.
- When pressing **ENTER** while "Child lock has been activated." is displayed, Password input menu will be displayed. Inputting the correct Password lifts the child lock temporarily until the power is turned off.

#### Sorting programmes

Channel position can be sorted freely.

- 1 Repeat steps 1 to 4 in Auto Search.
- **2** Press  $\blacktriangle/ \blacksquare$  to select "Sort", and then press **ENTER**.
- 3 Press **∢**/**▶** to select "Yes", and then press **ENTER**.
- 4 Press  $\land/\lor/\checkmark/\lor$  to select the channel you want to move, and then press **ENTER**.
- 5 Move it to the desired position by pressing A/V/A/b, and then press ENTER.
- 6 Repeat the steps 4 and 5 until all desired channels are sorted.

#### **Erase Programme**

The individual programme can be erased.

- **1** Repeat steps 1 to 4 in **Auto Search**.
- 2 Press ▲/▼ to select "Erase Programme", and then press ENTER.
- 3 Press **∢**/**▶** to select "Yes", and then press **ENTER**.
- 4 Press ▲/▼/</>
  to select the channel you want to erase, and then press ENTER.
  A message screen pops up.
- 5 Press **∢**/**▶** to select "Yes", and then press **ENTER** to erase the selected programme. All the subsequent programme move up.
- 6 Repeat the steps 4 and 5 until all desired channels are erased.

### Selecting a preset AV Mode

The AV Mode function enables you to select appropriate settings for audio and video to account for the system environment which can vary due to factors like room brightness, type of programme watched or the type of image input from external equipment.

- **1** Press **MENU** and the MENU screen displays.
- 2 Press **∢**/**▶** to select "Picture" or "Audio".

bright room.

For a movie.

input source.

are allowed.

**MODE** on the remote control unit.

DYNAMIC for VIDEO input.)

HDMI or PC signal.)

4

press ENTER.

Selected item

STANDARD

MOVIE

GAME

USER

DYNAMIC

DYNAMIC

(Fixed)

**NOTE** 

PC

**3** Press  $\blacktriangle/ \nabla$  to select "AV Mode", and then press **ENTER**.

Press  $\blacktriangle/\nabla$  to select the desired item, and then

Description

Lowers image brightness for easier viewing.

For PC. (Available only when inputting an

Allows the user to customise settings as

desired. You can set the mode for each

Changes the image and sound settings to the factory preset values. No adjustments

For a clear-cut image emphasising high

contrast for sports viewing.

• You can also select AV Mode options by pressing AV

You can select a different AV Mode item for each input

You can adjust the factory preset parameters given in

parameters chosen affect each of the input sources.

mode. (For example, select STANDARD for TV input and

"STANDARD", "MOVIE", "GAME" and "DYNAMIC". The

For a highly defined image in a normally

### **Picture menu**

Picture	🕐 AL	idio			🧭 Pov	ver Control
AV Mode						[USER]
OPC						[Off]
Backlight		TD]				+ 8
Contrast					_	+40
Brightness					- r	+30
Colour						+30
Tint			-30		- i	▶ =+30
Sharpness				Γ		+10
Colour Temp.						[Middle]
Reset						

- **1** Press **MENU** and the MENU screen displays.
- 2 Press **∢**/**▶** to select "Picture".
- **3** Press  $\blacktriangle/ \lor$  to select the desired menu item. Press **ENTER** to proceed if necessary.
- 4 Press ▲/▼ or ◀/▶ to select the desired item or adjust the item to the desired level. Press ENTER if necessary.

#### OPC (Optical Picture Control) setting

You can set the TV to automatically adjust the screen to suitable backlight brightness according to the lighting conditions.

Selected item	Description
Off	The brightness is fixed at the value set in "Backlight".
On	Automatically adjusts
On (Display)	Displays the OPC effect on the screen while adjusting the brightness of the screen.

#### **NOTE**

• Make sure no object obstructs the OPC sensor, which could affect its ability to sense surrounding light.

#### Picture adjustments

Selected item	◄ button	► button
Backlight	The screen dims	The screen brightens
Contrast	For less contrast	For more contrast
Brightness	For less brightness	For more brightness
Colour	For less colour intensity	For more colour intensity
Tint	Skin tones become purplish	Skin tones become greenish
Sharpness	For less sharpness	For more sharpness

#### Colour Temp. (Colour Temperature)

Adjusts the colour temperature to give the best white image.

Selected item	Description
High Mid-High Middle Mid-Low Low	White with bluish tone  White with reddish tone

#### **NOTE**

- For resetting all adjustment items to factory preset values, press ▲/▼ to select "Reset", press ENTER, press ◀/▶ to select "Yes", and then press ENTER.
- "Backlight" cannot be adjusted when "OPC" is set to "On" or "On (Display)".

#### Audio menu

MENU [Audio]				
Picture	🚺 Audio			🧭 Power Control
AV Mode				[USER]
Treble				+15
Bass			<	▶ +15
Balance				R R
Surround				
Auto Vol				
Clear Voice				
Reset				

- Press **MENU** and the MENU screen displays.
- 2 Press **◄**/**▶** to select "Audio".
- **3** Press  $\blacktriangle/ \lor$  to select the desired menu item. Press **ENTER** to proceed if necessary.
- Press ▲/▼ or ◀/▶ to select the desired item or adjust the item to the desired level. Press **ENTER** if necessary.

#### Audio adjustments

Selected item	◄ button	► button
Treble	For weaker treble	For stronger treble
Bass	For weaker bass	For stronger bass
Balance	Decrease audio from the right speaker	Decrease audio from the left speaker

#### Surround

When you set to "On", you can enjoy surround sound, the same as if you were in a movie theatre.

Selected item	Description
On	Makes it possible to enjoy natural, realistic surround sound.
Off	Outputs the normal sound.

• "Surround" cannot be selected under "Dynamic (Fixed)" for "AV Mode" setting.

### Audio menu (Continued)

#### Auto Vol

Different sound sources, fairly often do not have the same volume level, for example the changing from movie to the advertisements. The Automatic Volume Control (Auto Vol) solves this problem and equalises the volume levels.

#### Clear Voice

This function emphasises speech voice against the background noise for more intelligibility. It is not recommended for music sources.

#### **NOTE**

- For resetting all adjustment items to the factory preset values, press ▲/♥ to select "Reset", press ENTER, press
- $\checkmark$  to select "Yes", and then press **ENTER**.

### Power Control menu

🗿 Audio		🕼 Power Control	灯 Setup
No Sig	gnal Off		[Disable]
No Op	eration Off		[Disable]

- Press **MENU** and the MENU screen displays.
- 2 Press **∢**/**▶** to select "Power Control".
- 3 Press ▲/▼ to select "No Signal Off" or "No Operation Off", and then press **ENTER**.
- 4 Press  $\land/\lor$  or  $\checkmark/\flat$  to select the desired item. Press **ENTER** if necessary.

#### No Signal Off

You can set the TV to automatically power off in about 15 minutes after the TV goes into a state of receiving no programme signals, such as the end of a broadcast day. (Enable, Disable)

• Five minutes before the power shuts down, the remaining time displays every minute.

#### **NOTE**

- "Disable" is the factory preset value.
- When a TV programme finishes, and the TV receives signal input, this function may not operate.

#### No Operation Off

You can set the TV to automatically power off when no TV operation is performed for more than 3 hours. (30min., 3hr., Disable)

• Five minutes before the power shuts down, the remaining time displays every minute.

#### **NOTE**

"Disable" is the factory preset value.

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#### Power Management (PC input mode only)

- **1** Repeat steps 1 to 2 in **Power Control menu**.
- 2 Press A/V to select "Power Management", and then press **ENTER**.
- 3 Press ▲/▼ to select "Mode 1" or "Mode 2", and then press ENTER.

Selected item	Description
Off	<ul><li>No power management</li><li>Factory preset value.</li></ul>
Mode 1	<ul> <li>If no signal inputs for approximately 8 minutes, the power shuts down.</li> <li>Even if you start using the PC and the signal inputs again, the TV stays off.</li> <li>The TV turns on again by pressing <b>POWER</b>. (See page 7.)</li> </ul>
Mode 2	<ul> <li>If no signal inputs for approximately 8 seconds, the power shuts down.</li> <li>When you start using the PC and the signal inputs again, the TV turns on.</li> <li>The TV turns on again by pressing <b>POWER</b>. (See page 7.)</li> </ul>

### Setup menu

MENU [Setup]			
🧭 Power Control	Setup	Option	
Auto Installation			
Programme Setu	qu		
Child Lock			
Position			
WSS		[On]	
4:3 Mode		[Panorama]	
Output Volume S	Select	[Fixed]	
Language		[English]	

- 1 Press **MENU** and the MENU screen displays.
- 2 Press **∢**/**▶** to select "Setup".
- **3** Press  $\blacktriangle/ \lor$  to select the desired menu, and then press **ENTER**.
- 4 Press  $\land/ \forall$  or  $\checkmark/ \triangleright$  to select the desired item. Press **ENTER** if necessary.

#### Child Lock (TV input mode only)

Allows you to use a Password to protect certain settings from being accidentally changed.

#### Setting a Password

- 1 Repeat steps 1 to 2 in **Setup menu**.
- **2** Press  $\blacktriangle/ \lor$  to select "Child Lock", and then press **ENTER**.
- **3** If you already set the Password, enter it here.



### Setup menu (Continued)

- 4 Press ▲/▼ to select "Change Password", and then press ENTER.
- Enter the 4-digit number as a Password using 0 - 9.



6 Enter the same 4-digit number as in step 5 to confirm.

#### S NOTE

- To view a locked channel (Lock setting in Programme Setup "Manual Adjust" is set to "On"), you must enter a Password. When you select a locked channel, a Password prompt message pops up.
- Press ENTER to display the Password input window.

#### **Resetting the Password**

Allow you to reset your password.

- 1 Repeat steps 1 to 3 in Setting a Password.
- 2 Press ▲/▼ to select "Reset", and then press ENTER.
- 3 Press **∢**/**▶** to select "Yes", and then press **ENTER**.

#### Position

For adjusting a picture's horizontal and vertical position.

Selected item	Description			
H-Pos.	Centres the image by moving it to the left or right.			
V-Pos.	Centres the image by moving it up or down.			

#### WSS

WSS allows a television to switch automatically among the different screen formats.

#### **NOTE**

- Try to set WIDE mode if an image does not switch to the correct screen format. When the broadcast signal contains no WSS information, the function will not work even if enabled.
- Not available for COMPONENT signal.

### 4:3 Mode

The WSS signal has 4:3 auto-switching that allows you to select between Panorama and Normal.

Selected item	Description
Panorama	Wide image without side bars
Normal	Normal range keeping 4:3 or 16:9 aspect ratio

#### WSS signal 4:3 screen 4:3 mode "Panorama" 4:3 mode "Normal"



#### Output Volume Select

Allows you to select what controls the audio output.

Selected item	Description				
Fixed	<ul> <li>Sound via speakers is adjusted with VOL +/- on the remote control unit or the TV.</li> <li>Sound via the OUTPUT terminal is not adjustable and constantly outputs.</li> </ul>				
Variable	<ul> <li>Sound via the OUTPUT terminal is adjusted with VOL +/- on the remote control unit or the TV.</li> <li>Sound via speakers is muted.</li> </ul>				

### **NOTE**

 The "Audio" menu cannot be operated when "Variable" is selected.

#### Language

You can also select a language from setup menu. Select from among 4 languages: English, Simplified Chinese, Traditional Chinese and Arabic.

#### Input Label

You can assign each input source a label as you prefer.

- **1** Press **TV/VIDEO** to select the desired input source.
- 2 Press **MENU** and the MENU screen displays.
- 3 Press **∢**/**▶** to select "Setup".
- 4 Press ▲/▼ to select "Input Label", and then press ENTER.
- 5 Press ▲/▼/◀/► to select each character of the new name for the input source, and then press ENTER.
- 6 Repeat until the name is fully spelt out.The name can be 6 characters or less.
  - When you want to set an input source name of less than 6 characters, select "END", then press ENTER to exit from the labelling menu.

#### **NOTE**

• You cannot change labels if the input source is TV.

### Setup menu (Continued)

#### HDMI Setup (HDMI input mode only)

- Repeat steps 1 to 3 in Input Label.
   Press ▲/▼ to select "HDMI Setup", and then press ENTER.
- **3** Press  $\blacktriangle/ \lor$  to select the desired menu, and then press **ENTER**.
- 4 Press A/V or A/V to select the desired item. Press **ENTER** if necessary.

HDMI Setup items	Description					
Signal Type*	Select the video signal type from the HDMI terminal.					
Colour Matrix*	Select the internal colour space conversion method when an RGB signal is input.					
Dynamic Range*	Select the signal amplitude range. Usually, select "Normal".					
Auto View	Set whether or not to use WIDE MODE based on signal recognition, including an HDMI signal.					
Audio Select	Select "Digital" for audio signal via the HDMI terminal. Select "Analogue" for audio signal via the AUDIO jack.					

#### **NOTE**

• Items marked \* may be greyed out (with 🚫) depending on the type of signal input from the external equipment.

#### Input Signal (PC input mode only)

- Some input signals may have to be registered manually to display properly.
- The pairs of input signals (resolutions) in the list below are not distinguishable when received. In such case, you have to set the correct signal manually. After setting once, it will display when the same signal (resolution) is input again.

 $1024\times768 \qquad 1280\times768 \qquad 1360\times768$ 

### **Option menu**



- **1** Press **MENU** and the MENU screen displays.
- 2 Press **◄**/**▶** to select "Option".
- **3** Press  $\blacktriangle/ \lor$  to select the desired menu, and then press **ENTER**.
- 4 Press  $\land/\lor$  or  $\checkmark/\lor$  to select the desired item. Press **ENTER** if necessary.

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#### Audio Only

When listening to music from a music programme, you can set the display off and enjoy audio only.

Description				
Audio is output without screen image.				
Both screen images and audio are output.				

#### **NOTE**

• When you make operations that change the picture on the TV such as by changing the input source, the Audio Only function is set to "Off".

#### DNR (Digital Noise Reduction)

Reduce noise on the screen and produces a clearer video image. (Off, High, Low)

#### Colour System

You can change the colour system to one that is compatible with the image on the screen. (AUTO, PAL, SECAM, NTSC3.58, NTSC4.43, PAL-60)

#### **NOTE**

- If "AUTO" is selected, colour system for each channel is automatically set. If an image does not display clearly, select another colour system (e.g. PAL, NTSC4.43).
- "Colour System" is selectable only when inputting an S-VIDEO or composite signal.

### Picture and still image

You can freeze a motion picture on the Display.

- Press FREEZE.
  - A still image displays.
  - The still image is one frame captured from a moving image at the moment you press **FREEZE**.

2 Press FREEZE again to exit still image.

- The still image automatically goes out after 30 minutes.
- FREEZE doesn't function for HDMI/COMPONENT input (1080i/720p resolution) and PC input (all resolution). "No still image display available" message will appear.

### Wide Mode

#### **Manual Selection**

You can select different picture sizes that account for the kind of each picture.

- 1 Press WIDE.
  - The WIDE MODE menu displays.
  - The menu lists the wide mode options selectable for the type of video signal currently received.
- 2 Press **WIDE** or ▲/▼ while the WIDE MODE menu displays on the screen.
  - As you toggle down the options, each mode is immediately reflected on the TV.

#### Auto Selection

If you set "WSS" and "4:3 Mode" in the Setup menu on page 11, the optimum WIDE mode is automatically chosen for every broadcast containing the WSS information.

### Wide Mode (Continued)

#### "WSS" menu

To enable Auto Selection, set "WSS" in the Setup menu to "On". (See page 11.)

#### "4:3 Mode" menu

To set the type of the wide screen, select "Panorama" or "Normal" in the 4:3 Mode menu. (See page 11.)





4:3 Mode set to "Panorama"

4:3 Mode set to

"Normal"

#### **NOTE**

 If the broadcast signal contains no WSS information, Auto Selection will not function even when the WSS option is enabled.

Selected item	Description					
Normal	For 4:3 "standard" pictures. A side bar appears on each side.					
Zoom 14:9	For 14:9 letterbox pictures. A thin side bar appears on each side, and you may also see bars on the top and bottom with some programmes.					
Panorama	In this mode the picture is progressively stretched toward each side of the screen.					
Full	For 16:9 squeeze pictures.					
Cinema 16:9	For 16:9 letterbox pictures. Bars may appear on the top and bottom with some programmes.					
Cinema 14:9	For 14:9 letterbox pictures. Bars may appear on the top and bottom with some programmes.					
Underscan	Display with an Underscan image only when receiving a 720p signal. Display with the High-Definition image adjusted optimally. Noise may appear on the edge of the screen with some programmes.					

### Connecting a PC

#### PC Control of the TV

- When a programme is set, the TV can be controlled from the PC using the RS-232C terminal. The input signal (PC/video) can be selected, the volume can be adjusted and various other adjustments and settings can be made, enabling automatic programmed playing.
- Attach an RS-232C cable cross-type (commercially available) to the RS-232C for the connections.

#### **⊗**NOTE

• This operation system should be used by a person who is accustomed to using PCs.

#### **Communication conditions**

Set the RS-232C communications settings on the PC to match the communications conditions of the TV. The communications settings of the TV are as follows:

Baud rate:	9,600 bps
Data length:	8 bits
Parity bit:	None
Stop bit:	1 bit
Flow control:	None

#### Communication procedure

Send the control commands from the PC via the RS-232C connector.

The TV operates according to the received command and sends a response message to the PC.

Do not send multiple commands at the same time. Wait until the PC receives the OK response before sending the next command.

#### **Command format**

Eight ASCII codes + CR



Command 4-digits Parameter 4-digits Return code

Command 4-digits: Command. The text of four characters. Parameter 4-digits: Parameter 0 - 9, space, ?

#### Parameter

Input the parameter values, aligning left, and fill with space(s) for the remainder. (Be sure that four values are input for the parameter.) When the input parameter is not correct, "ERR"

returns. (Refer to "Response code format".)



When "?" is input for some commands, the present setting value responds.



#### Response code format



Problem response (communication error or incorrect command)



### **Connecting a PC (Continued)**

#### PC compatibility chart

Re	esolution	Horizontal Frequency	Vertical Frequency	VESA Standard
VGA	$640 \times 480$	31.5 kHz	60 Hz	1
SVGA	$800 \times 600$	37.9 kHz	60 Hz	1
XGA	$1024 \times 768$	48.4 kHz	60 Hz	1
WXGA	$1280 \times 768$	47.7 kHz	60 Hz	1
WXGA	$1360 \times 768$	47.7 kHz	60 Hz	1

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<b>RS-232C</b>	commands	lis

#### Commands

 Commands not indicated here are not guaranteed to operate.

CONTROL ITEM	COMMAND PARAMETER		CONTROL CONTENTS							
POWER SETTING	Ρ	0	W	R	0	_	-	_	POWER OFF (STANDBY)	
INPUT SELECTION A		Т	G	D	-	-	-	_	INPUT SWITCHING (TOGGLE	
	Т	Т	V	D	_	-	_	-	TV (CHANNEL FIXED)	
	Т	А	V	D	*	_	-	_	INPUT1-6 (1-6)	
CHANNEL	D	С	С	Н	*	*	-	-	TV DIRECT CHANNEL (1-99	
	С	Н	U	Ρ	_	-	-	-	CHANNEL UP	
	С	Н	D	W	_	_	_	_	CHANNEL DOWN	
AV MODE	А	V	Μ	D	0	_	-	_	TOGGLE	
SELECTION	А	V	М	D	1	-	-	-	STANDARD	
	А	V	М	D	2	-	-	-	MOVIE	
	А	V	М	D	3	_	-	_	GAME	
	А	V	М	D	4	_	-	_	USER	
	А	V	М	D	5	_	-	_	DYNAMIC (FIXED)	
	А	V	М	D	6	_	-	-	DYNAMIC	
	А	V	М	D	7	_	-	_	PC	
VOLUME	V	0	L	М	*	*	_	_	VOLUME (0-60)	
POSITION	н	Ρ	0	S	*	*	*	_	H-POSITION (AV) (-10-10)	
	н	Ρ	0	S	*	*	*	_	H-POSITION (PC) (0-60)	
	V	Ρ	0	S	*	*	*	-	V-POSITION (AV) (-10-10)	
	V	Ρ	0	S	*	*	*	-	V-POSITION (PC) (0-20)	
	С	L	С	к	*	*	*	-	CLOCK (0-180)	
	Р	Н	s	Е	*	*			PHASE (0-64)	
WIDE MODE	W	1	D	Е	0	_	_	_	TOGGLE	
	W	1	D	Е	1		_	-	NORMAL	
	w	1	D	Е	2	-			ZOOM 14:9	
	W	1	D	Е	3	_	_	_	PANORAMA	
	w	1	D	E	4	-	-	-	FULL	
	w	1	D	Е	5	-			CINEMA 16:9	
	w	1	D	E	6	-	-	-	CINEMA 14:9	
	w	1	D	E	7	-	-	-	UNDERSCAN	
	w	1	D	E	9	-	-	-	NORMAL (PC)	
	w	1	D	E	10	-	-	-	FULL (PC)	
MUTE	М	υ	Т	E	0	-	-	-	TOGGLE	
	м	U	Т	E	1	_	-	-	MUTE ON	
	м	U	Т	E	2	-	-	-	MUTE OFF	
SURROUND	A	C	D	v	0	-	-	-	SUBBOUND TOGGLE	
		C	D	v	1	-	-	-	SUBBOUND ON	
		С	D	V	2	-	_	-	SURROUND OFF	
AUDIO CHANGE			TOGGLE							
SI FEP TIMER	0	F	Т	M	0	-	-	-	OFF	
	6	F	Т	M	1	-	-	-	SLEEP TIMER 30 MIN	
		F	Т	M	2	-	-	-	SLEEP TIMER 1 HOUR	
		F	T	M	3	-	-	-	SLEEP TIMER 1 HOUR 30 M	
		F	T	M	4	-	-	-	SLEEP TIMER 2 HOUR	
	Ĕ	<u> </u>	<u> </u>		<u> </u>	-	-			

#### **NOTE**

 If an underbar (\_) appears in the parameter column, enter a space.

 If an asterisk (\*) appears, enter a value in the range indicated in brackets under CONTROL CONTENTS.

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### Appendix

#### Troubleshooting

The problems described below are not always caused by malfunctions. Check the TV again before having the TV serviced.

Problem	Possible Solution						
No power.	<ul> <li>Check if you pressed <b>POWER</b> on the remote control unit. (See page 7.) If the indicator on the TV lights up red, press <b>POWER</b>.</li> <li>Is the AC cord disconnected? (See page 3.)</li> <li>Has the power been turned on? (See page 7.)</li> </ul>						
Unit cannot be operated.	<ul> <li>External influences such as lightning, static electricity, etc., may cause improper operation. In this case, operate the unit after first turning the power off the TV or unplugging the AC cord and re-plugging it in after 1 or 2 minutes.</li> </ul>						
Remote control unit does not operate.	<ul> <li>Are batteries inserted with polarity (+, -) aligned? (See page 5.)</li> <li>Are batteries worn out? (Replace with new batteries.)</li> <li>Are you using it under strong or fluorescent lighting?</li> <li>Is a fluorescent light shining on the remote control sensor?</li> </ul>						
Picture is cut off.	<ul> <li>Is the image position correct? (See page 11.)</li> <li>Are screen mode adjustments such as picture size made correctly? (See pages 11 to 13.)</li> </ul>						
Strange colour, light colour, or dark, or colour misalignment.	<ul> <li>Adjust the picture tone. (See page 9.)</li> <li>Is the room too bright? The picture may look dark in a room that is too bright.</li> <li>Check the colour system setting. (See pages 8, 12.)</li> <li>Check the input signal setting. (See page 12.)</li> </ul>						
Power is suddenly turned off.	<ul> <li>The unit's internal temperature has increased. Remove any objects blocking the vent or clean.</li> <li>Check the power control setting. (See page 10.)</li> <li>Is the sleep timer set? (See page 5.)</li> </ul>						
No picture.	<ul> <li>Is the connection to external equipment correct? (See page 4.)</li> <li>Has the input signal setup been performed correctly after connection? (See page 12.)</li> <li>Is the picture adjustment correct? (See page 9.)</li> <li>Is the antenna connected properly? (See page 3.)</li> <li>Is "On" selected in "Audio Only"? (See page 12.)</li> </ul>						
No sound.	Is the volume too low? (See page 5.)						
The TV sometimes makes a cracking sound.	<ul> <li>This is not a malfunction. This happens when the cabinet slightly expands and contracts according to changes in temperature. This does not affect the TV's performance.</li> </ul>						

#### Cautions regarding use in high and low temperature environments

• When the unit is used in a low temperature space (e.g. room, office), the picture may leave trails or appear slightly delayed. This is not a malfunction, and the unit will recover when the temperature returns to normal.

 Do not leave the unit in a hot or cold location. Also, do not leave the unit in a location exposed to direct sunlight or near a heater, as this may cause the cabinet to deform and the LCD panel to malfunction.
 Storage temperature: -20°C to +60°C.

#### **Resetting the Password**

- **1** Repeat steps 1 to 2 in **Setting a Password**. (See pages 10 to 11.)
- **2** The Password input screen displays.
- 3 If you enter "3001" using 0 9, the "Child Lock" setting menu will be displayed.
- 4 Enter the 4-digit number as a password using **0 9**. The new password is now set.

### Specifications

Item Model				LC-26A37M LC-32A37M LC-37A37M						
LCD panel				26" (648 mm) Advanced Super View & BLACK TFT LCD	ed Super CD 32" (800 mm) Advanced Super View & BLACK TFT LCD View & BLACK TFT LCD					
Resolution	n			1,049,088 pixels (1366 $ imes$ 7	(68)					
Video Col	our Syste	em		PAL/SECAM/NTSC 3.58/N	TSC 4.43/PAL 60					
TV	TV-Star	ndard		PAL: B/G, D/K, I SECAM:	B/G, D/K, K/K1 NTSC: M					
Function	Receivi	ng	VHF/UHF	44.25-863.25 MHz						
	Channe		CATV	S1-S41ch (including Hyperband)						
	TV-Tun	ing Sys	stem	Auto Preset 99 ch						
	STERE	)/BILI	NGUAL	NICAM: B/G, I, D/K A2 ste	ereo: B/G					
Backlight	life			60,000 hours (at Backlight S	Standard position)					
Viewing a	ngles			H:176°V:176°						
Audio am	plifier			$10W \times 2$						
Speakers				$10 \times 4$ cm 2pcs						
Terminals	Rear	Anter	nna input	UHF/VHF 75 $\Omega$ DIN type						
		INPU	T 1	HDMI (HDMI input) (480I, 576I, 480P, 576P, 720P/50Hz, 720P/60Hz, 1080I/50Hz, 1080I/60Hz)						
		INPUT 2		HDMI (HDMI input) (480I, 576I, 480P, 576P, 720P/50Hz, 720P/60Hz, 1080I/50Hz, 1080I/60Hz)						
		INPU	Т 3	AUDIO in, COMPONENT in (4801, 5761, 480P, 576P, 720P/50Hz, 720P/60Hz, 10801/50Hz, 10801/60Hz)						
		INPU	T 4	AUDIO in, COMPONENT in (480I, 576I, 480P, 576P, 720P/50Hz, 720P/60Hz, 1080I/50Hz, 1080I/60Hz)						
		INPU	Т 5	S-VIDEO in, VIDEO in, AUDIO in						
		<b>INPU</b>	6 (PC input)	15 pin mini D-sub, AUDIO in (common use with INPUT 1) (Ø 3.5 mm jack)						
		OUTI	PUT	AUDIO out						
		RS-2	32C	9 pin D-sub male connector						
OSD lang	uage			English/Simplified Chinese/Traditional Chinese/Arabic						
Power Requirement				AC 110-240 V, 50/60 Hz						
Power Consumption				88 W (0.9 W Standby) 97 W (0.9 W Standby) 126 W (0.9 W St						
Dimensio	าร	withc	out stand	652 imes445 imes123 mm	$788 \times 519 \times 123 \text{ mm}$	916 $ imes$ 595 $ imes$ 123 mm				
$(W \times H >$	< D)	with	stand	$652 \times 504 \times 235$ mm	788 $\times$ 575 $\times$ 235 mm	916 $\times$ 660 $\times$ 255 mm				
VA/=:=l=t		withc	out stand	7.5 kg	9.5 kg 12.5 kg					
weight		with	stand	9.0 kg	11.0 kg	14.5 kg				
Operating	Operating Temperature			0°C – 40°C						

As a part of policy of continuous improvement, SHARP reserves the right to make design and specification changes for
product improvement without prior notice. The performance specification figures indicated are nominal values of production
units. There may be some deviations from these values in individual units.

#### Handling and precautions with the wall-mounted TV

#### (h)CAUTION

• This TV should be mounted on the wall only with the AN-37AG3 (SHARP) wall mount bracket. The use of other wall mount brackets may result in an unstable installation and may cause serious injuries.

 Installing the Liquid Crystal Television requires special skill that should only be performed by qualified service personnel. Customers should not attempt to do the work themselves. SHARP bears no responsibility for improper mounting or mounting that results in accident or injury.

#### Using an optional bracket to mount the TV

- You can ask a qualified service personnel about using an optional AN-37AG3 bracket to mount the TV to the wall.
- Carefully read the instructions that come with the bracket before beginning work.





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