OPERATION MANUAL

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.

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Precautions for daily use

Observe the following items

Maintenance of the cabinet

- When cleaning the cabinet, use a soft cloth (made of cotton, floss, etc.) to clean gently.
  Do not use a dry or damp rag mixed with chemicals, as this could cause the ingredients of the cabinet body to deteriorate or crack.
- Be careful not to use an abrasive cloth for cleaning or clean with excessive force, as this could scratch the surface of the cabinet.
- If the cabinet is greatly soiled, clean with a soft cloth (made of cotton, floss, etc.) soaked with a small amount of diluted neutral detergent and wrung out, and then clean with a soft dry cloth.
- Because the cabinet is made of plastic, solvents such as benzene, alcohol or thinner could cause it to deteriorate, or make its coating come off. Therefore do not use such solvents to clean the cabinet.
- Because plasticizer is included in the plastics, deterioration or the coating peeling off could occur when the cabinet comes into contact with some substances. Therefore keep it away from volatile substances such as insecticide. In addition, do not let it come into contact with objects made of rubber, resin, etc. for a long time.

Maintenance of the LCD panel

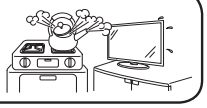
- Before cleaning the LCD panel, be sure to turn off the TV set and unplug the power cord from the outlet.
- When cleaning the LCD panel, use a dry and soft cloth (made of cotton, floss, etc.) to clean the surface of the LCD panel gently. For protecting the LCD panel, do not clean with a dirty cloth, detergent, or a dry or damp rag mixed with chemicals, as this could cause peeling of the panel surface.
- Be careful not to clean with an abrasive cloth or with excessive force, as this could cause the panel surface to be scratched.
- If the LCD panel is greatly soiled, clean it gently with a soft cloth (made of cotton, floss, etc.) soaked with a small amount of water (Do not clean with excessive force, so as to avoid the scratch of the panel surface).
- If dust sticks on the surface of the LCD panel, clean the panel with a commercially available cleaning brush (anti-static brush).

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 alcohol cleaners, spray cleaners or chemical cloth when cleaning because these types of materials may damage the product.



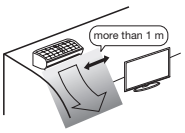
- Water and moisture — Do not use the product near water, such as bathtub, washbasin, kitchen sink, laundry tub, swimming pool and in a wet basement.



- 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.



- Do not place the product underneath the air-condition or nearby the humidifier, and the other situation with water. The water may spill into the product causing fire or electric shock fault. Please keep more than 1 m distance with the air outlet of air condition.



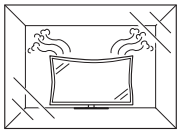
- Stand — Do not place the product on an unstable cart, stand, tripod or table. Doing so can cause the product to fall, resulting in serious personal injuries as well as damage to the product. Use only a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the product. When 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.



- In case the product is dropped and the cabinet is damaged, be sure to turn off the power of the product, and unplug the power cord. If you continue to use the product, it may cause fire or electric shock.



- Do not open the rear cover of the cabinet to reconstruct the circuits. There exists high voltage within the cabinet and it may cause electric shock and injury. If maintenance is required, contact your dealer.

- 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.



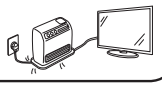
- Heat sources — Keep the product away from heat sources such as radiators, heaters, stoves and other heat-generating products (including amplifiers)



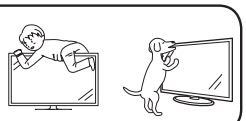
- To prevent fire, never place any type of candle or naked flames on the top or near the TV set.



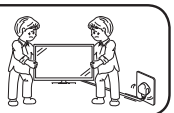
- To prevent fire or shock hazard, do not place the AC power cord under the TV set or other heavy items.



- 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.



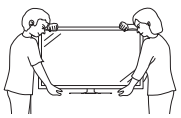
- Unplug the power cord before you move the TV set. If not unplugged beforehand, the power cord may become damaged and cause electric shock.



The LCD panel is a very high technology product, in which LC-32M3H with 1,049,088 pixels and LC-40M3H with 2,073,600 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 at least 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.

NOTE

- The above are pictures for reference only; the actual item might be different.

Trademarks

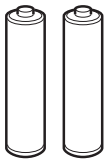
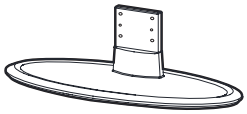
- Manufactured under license from Dolby Laboratories.
  Dolby and the double-D symbol are trademarks of Dolby Laboratories.

- The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

Accessories

Supplied accessories

Make sure the following accessories are provided with the product.

Remote control unit	"AAA" size battery (×2)
 Used with batteries inserted. Page 12	 Page 12
Stand unit	**Operation manual**
 Stand  Screws (×4) Page 6	

- The illustrations and on-screen displays in this operation manual are for explanation purposes and may vary slightly from the actual operations.
- The illustrations used throughout this operation manual are based on LC-32M3H.

Preparation

Attaching the stand unit

- When installing the stand, you need to put your TV on a flat surface. Before that, put a soft cushion on the surface.
- Before attaching (or detaching) the stand, unplug the AC power cord from the AC power outlet.
- Before performing work, spread cushioning over the surface on which you will be laying the TV. This will prevent it from being damaged.

CAUTION

- **Attach the stand in the correct direction.**
- **Be sure to follow the instructions. Incorrect installation of the stand may result in the TV falling over.**

1

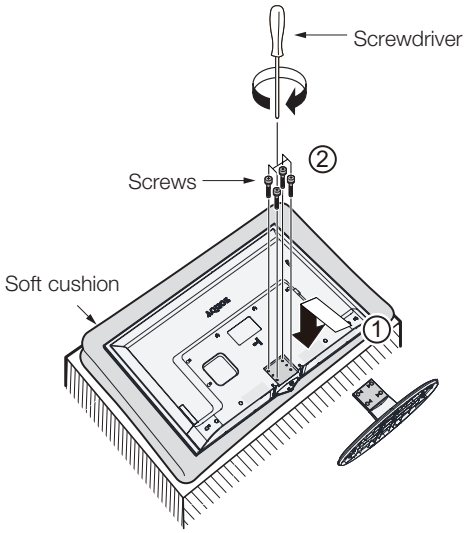
Confirm that there are screws with the stand unit.

(Four screws)



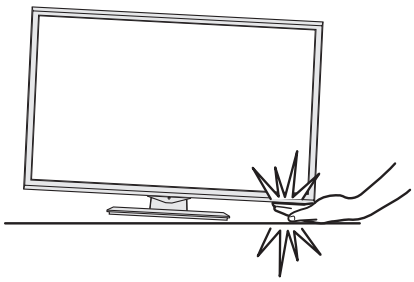
2

① Insert the base into the openings on the bottom of the TV(while holding the base to avoid it from falling over).
② Insert the four screws into the four holes on the back of the TV, and tighten them.



NOTE

- To detach the stand unit, perform the steps in reverse order.
- The angle of the stand is not adjustable.
- A screwdriver is not supplied with this product.
- During installation, please be careful to avoid getting your hand trapped between the TV bottom and the floor.



Handling and precautions with the wall-mounted TV

- You can mount the TV on the wall using the optional bracket.
- For details, refer to the instructions supplied with the optional bracket.

CAUTION

- **This TV should be mounted on a wall only with a wall mount bracket recommended by SHARP. The use of other wall mount brackets may result in an unstable installation and may cause serious injuries.**
- **Installing the TV requires special skills 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 a SHARP recommended bracket to mount the TV

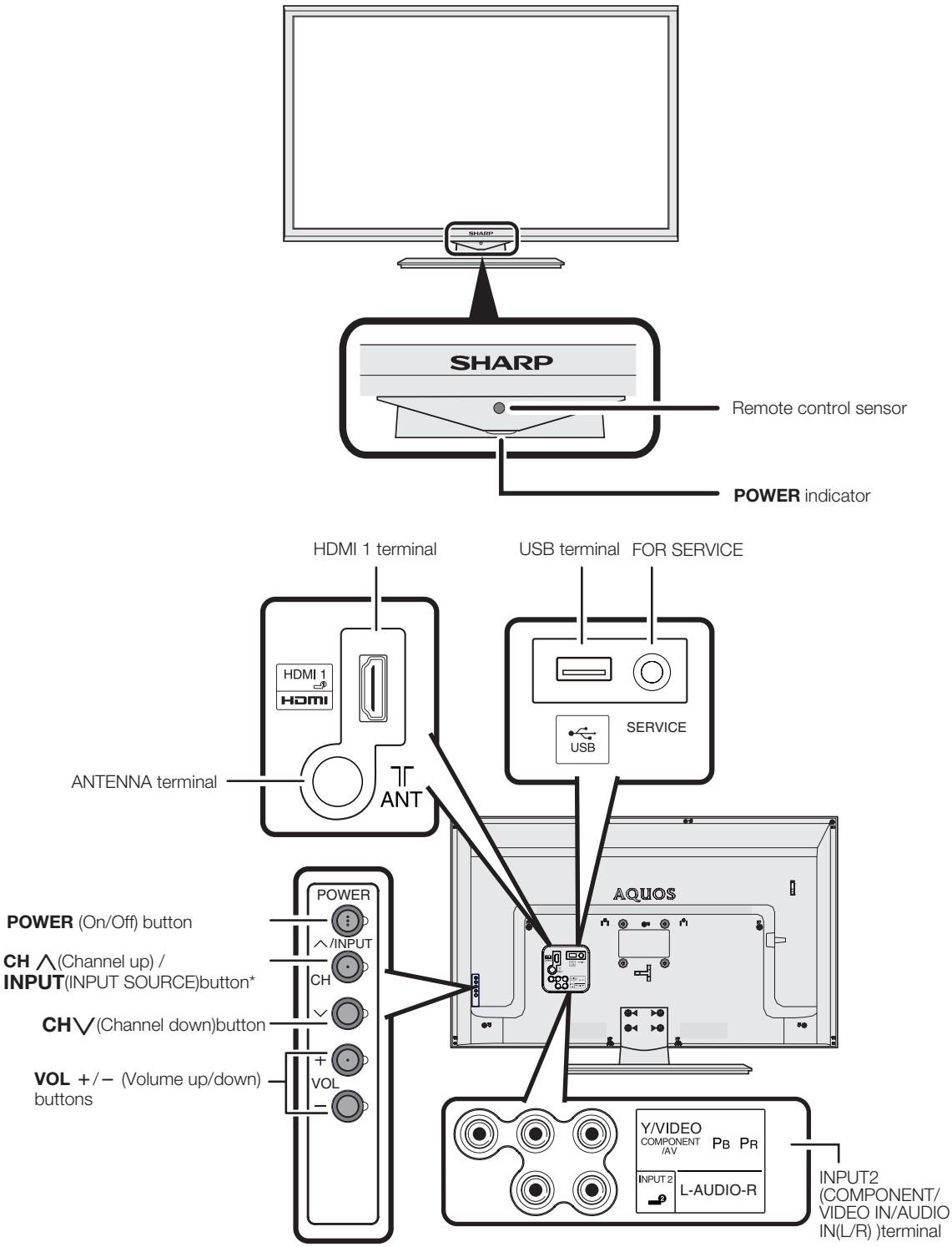
- You can ask a qualified service professional about using a SHARP recommended bracket to mount the TV to the wall.
- Carefully read the instructions that come with the bracket before beginning work.

NOTE

- If you want to mount the TV on the wall, use the screws provided with the wall-mount bracket to affix the bracket to the rear of the TV.

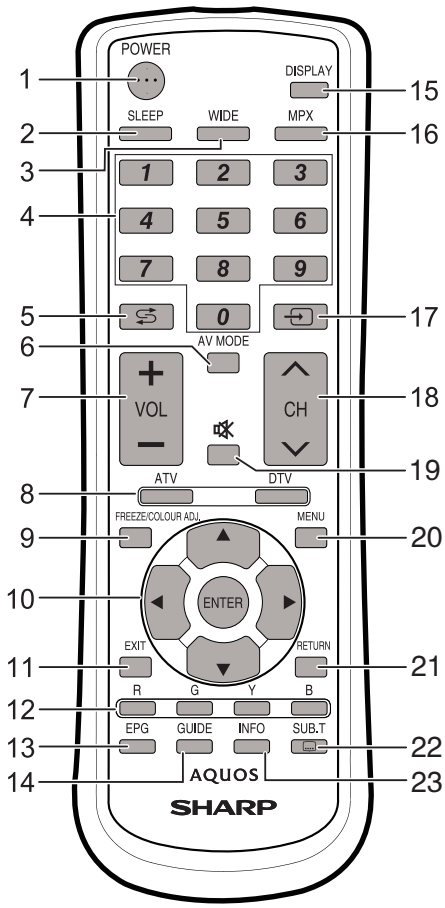
Part names

TV (Front/Rear)



* Press **INPUT** button for several seconds to display SOURCE list.

Remote control unit



1 POWER (Standby/On)
To switch the power on and off. (See page 13.)

2 SLEEP
Set the sleep timer. (See page 23.)

3 WIDE
Change the wide image mode. (See page 18.)

4 0 – 9
Set the channel.

5 Flashback
Press to return to the previous selected channel or external input mode. (See page 22.)

6 AV MODE
Select a AV MODE. (See page 17.)

7 VOL + / –
Set the volume.

8 ATV (Analogue TV)
Press to access analogue TV mode.

DTV (Digital TV)
Press to access digital TV mode.

9 FREEZE/COLOUR ADJ.
Freeze a motion picture on the screen and adjust the colour. (See page 22.)

10 ▲/▼/◄/► (Cursor)
Select a desired item on the setting screen.

ENTER
Execute a command.

11 EXIT
Turn off the On-Screen Display.

12 Colour Buttons (R / G / Y / B)
The coloured buttons are used to select correspondingly to the coloured items on the screen.

13 EPG
DTV only: To display EPG (Electronic Programme Guide) screen. (See page 22.)

14 GUIDE
Display the channel list of DTV and ATV. (See page 23.)

15 DISPLAY
Displays the channel or input information.

16 MPX
Select the sound multiplex mode. (See page 23.)

17 (INPUT SOURCE)
Select an input source. (DTV, ATV, HDMI1, INPUT2, USB) (See pages 11, 24.)

18 CH∧/∨
TV input mode: Select the channel.

19 (Mute)
Mute the sound. (See page 23.)

20 MENU
Displays the menu screen.

21 RETURN
MENU mode: Return to the previous menu screen.

22 (Subtitle)
To turn the subtitles on/off. (See page 20.)

23 INFO
DTV only: Display the programme information. (See page 23.)

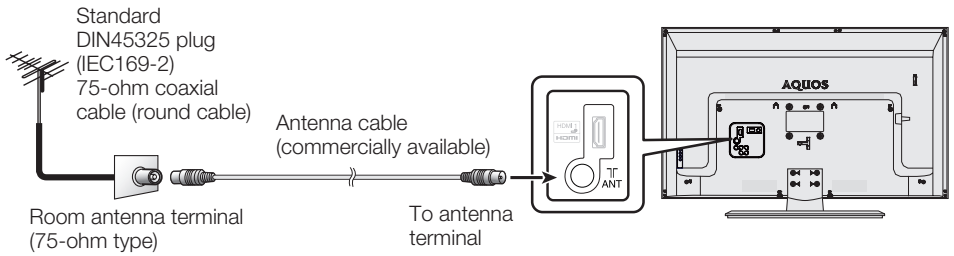
Before turning on the power

Notes on installing the TV

- Avoid direct sunlight and place the TV in a well-ventilated location.
- Place the TV in a level location.
- Do not turn on the power of the TV before connecting the AC cord.
- If there are any protective plastic sheets on the TV cabinet, please take them off before connection.

1 **Connecting the antenna cable**

To enjoy a clearer picture, use an outdoor antenna. The following is a brief explanation of the types of connections that are used for coaxial cable.

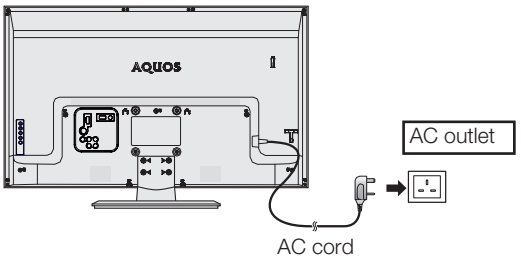


2 **Connecting external devices**

See page 11 for connecting external equipment, such as a VCR and DVD player.

3 **Plug the AC cord in to the AC outlet.**

TV (rear view)



- Place the TV close to the AC outlet, and keep the power plug within reach.
- Disconnect the AC cord from the AC outlet if the TV will not be used for a long period of time.

CAUTION

- **TO PREVENT RISK OF ELECTRIC SHOCK, DO NOT TOUCH UN-INSULATED PARTS OF ANY CABLES WITH THE AC CORD CONNECTED.**

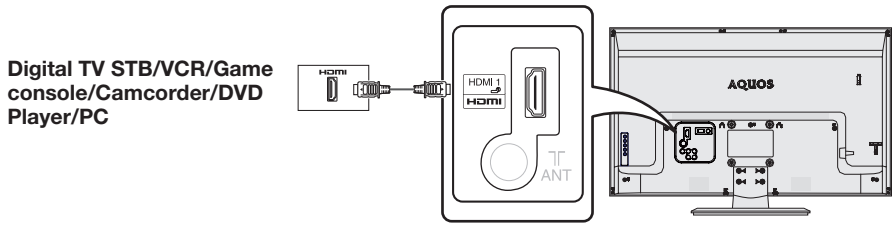
Connecting external devices

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 ⏎ on the remote control unit or **INPUT** on the TV.

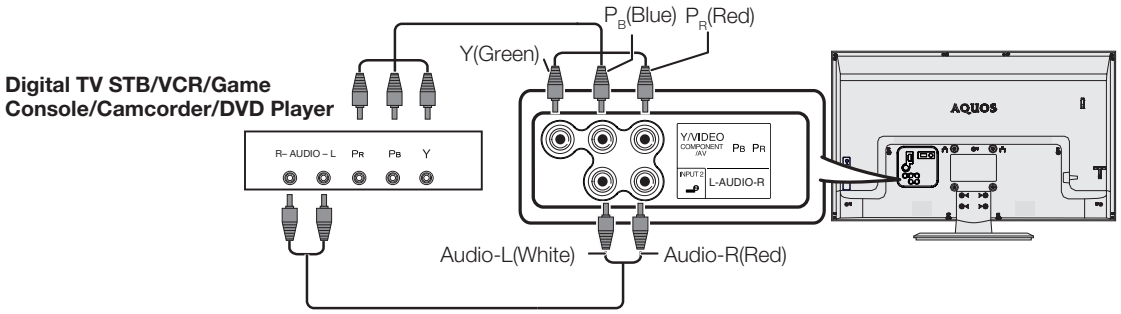
CAUTION

- 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.

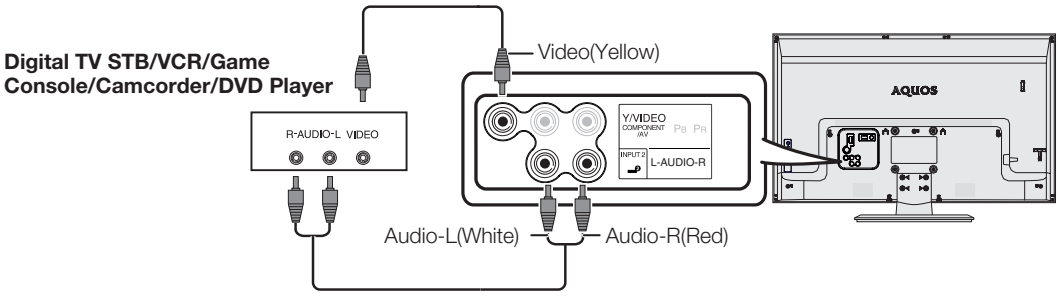
When using HDMI cable (commercially available)



When using component cable* (commercially available)



When using composite cable* (commercially available)



* The component and video input share the same termianl.

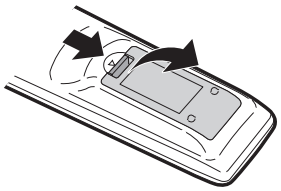
NOTE

- Insert the terminals by colour.

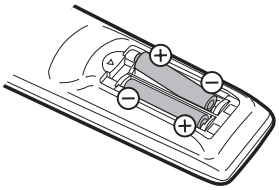
Inserting the batteries

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

1 Open the battery cover.

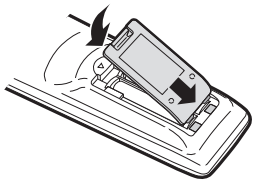


2 Insert the two supplied “AAA” size carbon batteries.



- Place batteries with their terminals corresponding to the (+) and (−) indications in the battery compartment.

3 Close the battery cover.



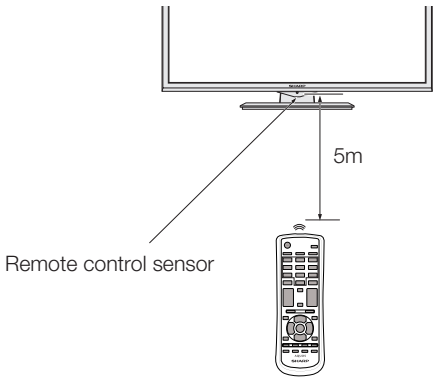
CAUTION

Improper use of batteries can result in chemical leakage or explosion. Be sure to follow the instructions below.

- Do not mix batteries of different types. Different types of batteries have different characteristics.
- Do not mix old and new batteries. Mixing old and new batteries can shorten the life of new batteries or cause chemical leakage in old batteries.
- Remove batteries as soon as they have worn out. Chemicals that leak from batteries can cause a rash. If you find any chemical leakage, wipe thoroughly with a cloth.
- The batteries supplied with this product may have a shorter life expectancy due to storage conditions.
- If you will not be using the remote control unit for an extended period of time, remove the batteries from it.
- Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

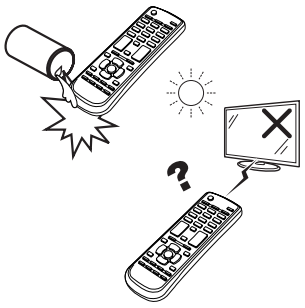
Using the remote control unit

Use the remote control unit by pointing it towards the remote sensor window.
Objects between the remote control unit and sensor window may prevent proper operation.



Cautions regarding the remote control unit

- Do not subject the remote control unit to shock.
  In addition, do not soak the remote control unit with liquids or place it in an area with high humidity.
- Do not install or place the remote control unit under direct sunlight.
  The heat may cause deformation of the unit.
- The remote control unit may not work properly if the remote sensor window of the TV is under direct sunlight or strong lighting. In such cases, change the angle of the lighting or TV, or operate the remote control unit closer to the remote sensor window.



Turning the TV on/off

Turning on the power

Press **POWER** on the TV after inserting the power plug.
- The power indicator will twinkle several seconds, then turns off. TV is switched on (after several seconds,an image appears with sound).
- You can switch the TV to standby by pressing **POWER** on the remote control, the power indicator turns red.
- Please refer page 8.

Turning off the power

If the TV switched on, press **POWER** on the remote control.
- The TV be switched to standby, the image will disappear on the screen.
- Switch on the TV after press **POWER** on the remote control again, the power indicator turns red.

If the TV switched on, press **POWER** on the TV.
- TV is turned off.
- The power indicator turns off. You can't turn on the TV by pressing **POWER** on the remote control.

Power indicator

off	Power Off or Power on.
Twinkle (Red)	TV is switched on.
light (Red)	TV is standby.

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.
- A small amount of electric power is still consumed even the TV is in standby mode or switch off by pressing **POWER** on the TV.
- If TV loses power in special circumstances such as power outage or grid fluctuations etc.), TV may not work well when TV is switched on again. Please try to power off the TV (by the **POWER** key in the TV's boby) or unplug and replug the AC cord to restart the TV.
- It is a normal phenomenon when the TV temperature rises in the process of watching TV.
- Please do not cut the power off casually in the process of switching on or switching off the TV, running updating, otherwise TV system could not work rightly.

Initial auto installation

When the TV powers on for the first time after purchase, the initial auto installation wizard appears. Follow the menus and make the necessary settings one after another.

Confirm the following before turning on the power
- Is the antenna cable connected?
- Is the AC cord plugged in?

1 Press **POWER** on the TV.
- The initial auto installation wizard appears.

2 Press ▲/▼ to select the desired language, and then press **ENTER**.

3 Press ▲/▼ to select “HOME” or “STORE”, and then press **ENTER**.
- HOME: “STANDARD” will be the default value for the “AV mode” setting.
- STORE: “DYNAMIC (FIXED)” will be the default value for the “AV mode” setting. If the “AV mode” is changed, the TV will automatically switch back to “DYNAMIC (FIXED)” when there is no further change to TV setting for 30 minutes. When selecting “STORE”, press ▲/▼ to select “Yes”or “No” to confirm.

4 Press ▲/▼ to select “DTV”、“ATV” or “DTV+ATV” and then press **ENTER**.

5 The TV searches for, sorts and stores all the receivable TV stations according to their settings and the connected antenna.
- To abort the initial auto installation in progress, press **MENU**.

NOTE
- HOME mode: Settings are optimised for normal home viewing and energy efficiency.
- STORE mode: Settings are designed for maximum impact in retail store displays.
- To change the “STORE” mode to “HOME” mode, please refer to page 20 to reset the unit.
- If you turn off the power on the TV after performing step 4, the initial auto installation wizard does not appear. The auto installation function allows you to execute the auto installation again from the “Programme setup” menu. (See page 15.)

Set-up the DTV antenna

When you set-up the DTV antenna for the first time, or connect the antenna to a community antenna, you need to proceed to set the antenna by following this manual.

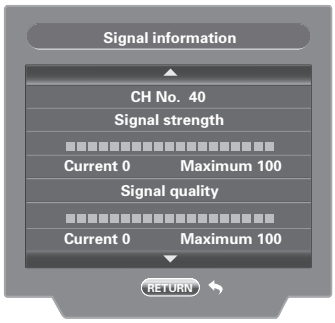
1 Press **MENU** and the MENU screen displays.

2 Press ◄/► to select “Programme setup”.

3 Press ▲/▼ to select “Digital setting” and then press **ENTER**.

■ Signal information

Show the current program of “CH No”, “Signal strength” and “Signal quality” and other information.



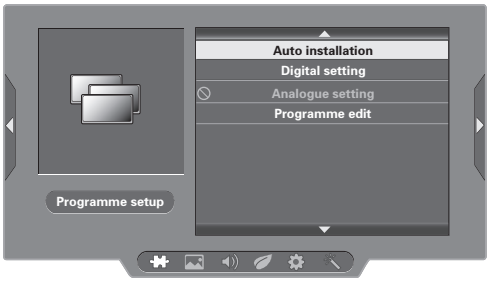
4 Position and align the antenna so that the maximum possible values for “Signal strength” and “Signal quality” are obtained.

NOTE

- The values of “Signal strength” and “Signal quality” indicate when to check the appropriate alignment of the antenna.

Watching TV

Programme setup



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 “Programme setup” .
3. Press ▲/▼ to select “Auto installation”, and then press **ENTER**.
4. Press ▲/▼ to select the desired language, and then press **ENTER**.
5. Press ▲/▼ to select “DTV”、“ATV” or “DTV+ATV” and then press **ENTER**.
6. The TV searches for, sorts and stores all the receivable TV stations according to their settings and the connected antenna.
   - To abort the initial auto installation in progress, press **MENU**.

Digital setting

You can set some DTV channel items manually.

1. Press **MENU** and the MENU screen displays.
2. Press ◀/▶ to select “Programme setup”.
3. Press ▲/▼ to select “Digital setting”, and then press **ENTER**.
4. Press ▲/▼ to select the desired menu item, and then press **ENTER**.

■ Auto search

Use this menu to add new DTV services automatically after auto installation has been completed.

■ Manual search

Add new services within a specified frequency band.

■ Signal information

See page 14 for signal information.

Analogue setting

You can set some ATV channel items manually.

1. Press **MENU** and the MENU screen displays.
2. Press ◀/▶ to select “Programme setup”.
3. Press ▲/▼ to select “Analogue setting”, and then press **ENTER**.
4. Press ▲/▼ to select the desired menu item, and then press **ENTER**.

■ Auto search

Use this menu to add new ATV services automatically after auto installation has been completed.

■ Manual adjust

Press ▲/▼ to select your desired item, and then press ◀/▶ to adjust the settings.

Item	Description
Storage to [1~99]	Save programme to your desired channel number. Press **R** to save.
Sound system	Select the optimum sound system (Broadcasting system) to receive. (B/G, D/K, I, M) Press **R** to save.
Colour system	Select the optimum colour system to receive. (PAL, SECAM, NTSC) Press **R** to save.
Current CH	Select the channel you want to edit. • Selected channel will be automatically refl ected in the background.
Search	Start searching from current channel. • Instead of pressing ◀/▶ to adjust the frequency, you can set by directly entering the frequency number of the channel with **0 – 9**, and then press **ENTER.** Press **R** to save.
Fine-tune	Tune the frequency of the stored channel to your desired position. • Adjust while checking the background picture as a reference. Press **R** to save.

NOTE

- The frequency shown below the On-Screen Display shows the real-time frequency of the displayed channel.

Programme edit

Use this menu to set up a channel individually.

1. Press **MENU** and the MENU screen displays.
2. Press ◄/► to select “Programme setup” .
3. Press ▲/▼ to select “Programme edit”, and then press **ENTER**.
4. Press ▲/▼ to select the desire programme.

■ Erase

Channels can be erased individually.

Press **1** to erase the selected channel.

■ Sort

Channel positions can be sorted freely.

Press **2** to select the channel you want to move.

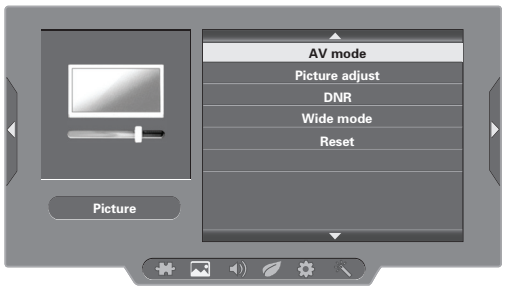
Press ▲/▼ to move it to the desired position, and then press **2** again or **ENTER** to save.

■ Skip

Channels with “Skip” set to “On” are passed over when using **CH**∧/∨ even if selected while watching the image from the TV.

Press **3** to skip the selected channel. Press **3** again to cancel the skip.

Picture



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” .

3 Press ▲/▼ to select “AV mode”, and then press **ENTER**.
Or you can press the **AV MODE** key of the R/C.

Selected item	Description
STANDARD	For a highly defined image in a normally bright room.
MOVIE	For a movie.
PC	For PC. (Available only when inputting an HDMI signal.)
DYNAMIC	For a clear-cut image emphasising high contrast for sports viewing.
DYNAMIC (FIXED)	Changes the image and sound settings to the factory preset values. No adjustments are allowed.

NOTE

- You can select a different “AV mode” item for each input mode. (For example, select “STANDARD” for ATV input and “DYNAMIC” for VIDEO input.)

Picture adjust

You can adjust the picture to your preference.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Picture”.

3 Press ▲/▼ to select “Picture adjust”, and then press **ENTER**.

4 Press ▲/▼ to select the desired menu item.

5 Press ▲/▼ or ◀/▶ to adjust the item.

Adjustment items

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 reddlsh.	Skin tones become greenish.
Sharpness	For less sharpness.	For more sharpness.

NOTE

- “Picture adjust” can not be changed during “DYNAMIC (FIXED)” mode.

DNR

Reduce noise on screen and produces a clearer video image.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Picture”.

3 Press ▲/▼ to select “DNR”, and then press **ENTER**.

4 Press ▲/▼ to select “Auto” “High” “Low” or “Off”.

Wide mode

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

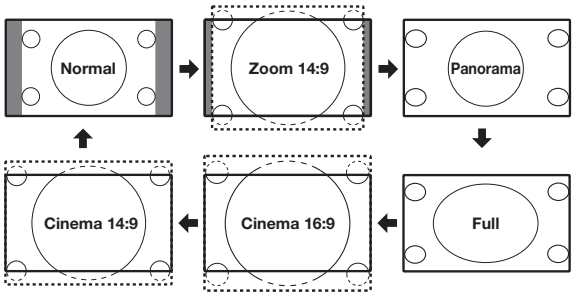
1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Picture”.

3 Press ▲/▼ to select “Wide mode”, and then press **ENTER**.
Or you can press **WIDE** on the remote control unit.
- The “Wide mode” menu displays.
- The menu lists the wide mode options selectable for the type of TV/video signal currently received.

4 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.

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.
Dot by Dot	Display an image with the same number of pixels on the screen (only when receiving 1080i / 1080p signal and applied to LC-40M3H only.)
Underscan	Display with an Underscan image only when LC-32M3H receiving 720p/1080i/1080p signal / LC-40M3H receiving a 720p signal. Display with the High-Definition image adjusted optimally. Noise may appear on the edge of the screen with some programmes.



NOTE

- Some picture sizes may not be displayable depending on the input signal.

Reset

Reset all picture adjustment items to the factory preset values.

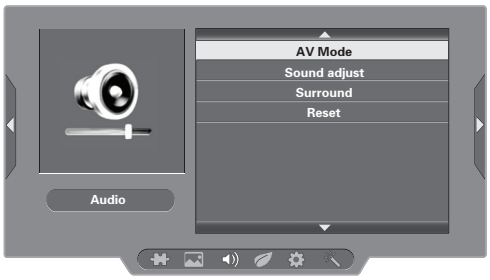
1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Picture”.

3 Press ▲/▼ to select “Reset”, and then press **ENTER**.

4 Press ▲/▼ to select “Yes”, and then press **ENTER**.

Audio



AV mode

See page 17.

Sound adjust

You can adjust the audio of the selected AV mode.

1. Press **MENU** and the MENU screen displays.
2. Press ◄/► to select “Audio”.
3. Press ▲/▼ to select “Sound adjust”, and then press **ENTER**.

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

The surround function produces a surround effect from the speakers.

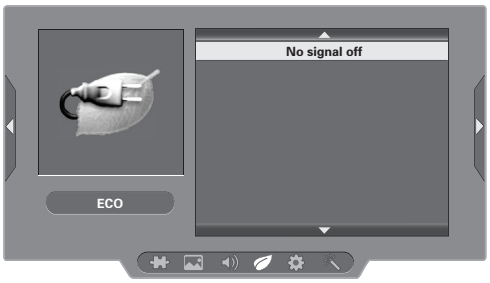
1. Press **MENU** and the MENU screen displays.
2. Press ◄/► to select “Audio”.
3. Press ▲/▼ to select “Surround”, and then press **ENTER**.
4. Press ▲/▼ to select “On” or “Off”.

Reset

Reset all audio adjustment items to the factory preset values.

1. Press **MENU** and the MENU screen displays.
2. Press ◄/► to select “Audio”.
3. Press ▲/▼ to select “Reset”, and then press **ENTER**.
4. Press ▲/▼ to select “Yes”, and then press **ENTER**.

ECO



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.

1. Press **MENU** and the MENU screen displays.
2. Press ◄/► to select “ECO”.
3. Press ▲/▼ to select “No signal off”, and then press **ENTER**.
4. Press ▲/▼ to select “Enable” or “Disable”, and then press **ENTER**.
5. Press ▲/▼ to select “Yes” or “No”, and then press **ENTER**.
   - 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.

Setup



Language (語言)

You can also select a language from setup menu. Select from among 3 languages: English, Simplified Chinese and Traditional Chinese.

1. Press **MENU** and the MENU screen displays.
2. Press ◀/▶ to select “Setup”.
3. Press ▲/▼ to select “Language(語言)”, and then press **ENTER**.
4. Press ▲/▼ to select the desired language listed on the screen.

Digital setup

1. Press **MENU** and the MENU screen displays.
2. Press ◀/▶ to select “Setup”.
3. Press ▲/▼ to select “Digital setup”, and then press **ENTER**.

■ Digital audio language

Set up to preferred multi audio languages to display if the audio languages are available.

1. Press ▲/▼ to select “Digital audio language”, and then press **ENTER**.
2. Press ▲/▼ to select “1st language” or “2nd language”.
3. Press ◀/▶ to select the desired language.

NOTE

- This function depends on audio language information from broadcasters.
- If audio for the selected language is not included in a received broadcast, audio will not be output for that language.

■ Subtitle

Each time you press **SUB.T** on the remote control, the subtitle switches when the broadcast contains subtitle information.

1. Press ▲/▼ to select “Subtitle”, and then press **ENTER**.
2. Press ▲/▼ to select “1st language” or “2nd language”.
3. Press ◀/▶ to select the desired language.

NOTE

- If subtitles for the selected language are not included in a received broadcast, subtitles will not be shown for that language.

Identification

You can check the current version of the software on the screen.

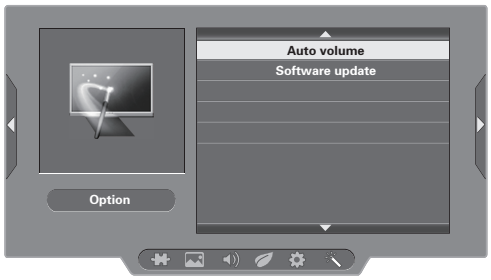
1. Press **MENU** and the MENU screen displays.
2. Press ◀/▶ to select “Setup”.
3. Press ▲/▼ to select “Identification”, and then press **ENTER**.

Reset

If complex adjustments are made and the settings can not be restored to normal, you can reset the settings to the factory preset values.

1. Press **MENU** and the MENU screen displays.
2. Press ◀/▶ to select “Setup”.
3. Press ▲/▼ to select “Reset”, and then press **ENTER**.
4. Press ▲/▼ to select “Yes”, and then press **ENTER**.

Option



Auto volume

Different sound sources sometimes do not have the same volume level, such as a programme and its commercial breaks. The automatic volume control (Auto volume) reduces this problem by equalizing levels.

1. Press **MENU** and the MENU screen displays.
2. Press ◀/▶ to select “Option”.
3. Press ▲/▼ to select “Auto volume”, and then press **ENTER**.
4. Press ▲/▼ to select “On” or “Off”.

Software update

This function allows you to transform to the latest software via a USB device.

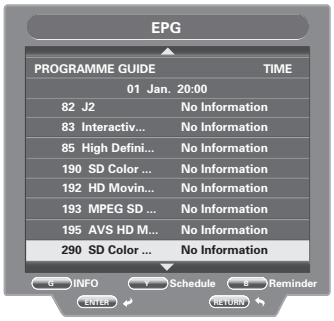
1. Insert the USB device containing the system data file.
2. Press **MENU** and the MENU screen displays.
3. Press ◀/▶ to select “Option”.
4. Press ▲/▼ to select “Software update”, and then press **ENTER**.
5. Press ▲/▼ to select “Yes” to update the system, and then press **ENTER**. The TV restarts automatically, and the software updating will be completed.
   - This operation may take a while.

NOTE

- If the software is not compatible with the system, an error message appears on the screen. Repeat step 1 and step 2 after pressing **ENTER**.
- When an error message displays, check to see if
- The USB device is inserted firmly.
- The USB memory has two or more software files.
- No software for updating the system exists in the USB memory.
- The software file is broken.
- The software file is not compatible with your TV’s software.
- Please do not turn off TV or execute other operations during version up.

EPG

An “EPG” (Electronic Programme Guide) is a programme schedule, which is displayed on the TV screen. The EPG is broadcasted together with DTV. The TV screen shows the EPG when the viewer presses **EPG** on the remote control, provided that the TV is receiving the digital broadcasting signal. The EPG enables you to check the schedule of DTV, view detailed information about them, tune to an event currently on-air and set a timer for future events.



1 Press **EPG** to display EPG (Electronic Programme Guide) screen.

2 Press ▲/▼ to select the desired channel, and then press **ENTER**.
- The selected channel displays.

The operation for EPG (Electronic Program Guide), can refer the guide which is displayed on the bottom of TV screen, The operation for the relative colour key is as follow:

G: View detailed information of the present channel. Press **G** again to exit.
Y: Display the timer list. Press ▲/▼ to select a programme in timer list. Press **R** to delete a reminder timer setting.

B: Reminder timer setting. You can schedule a reminder for future programmes. Channel will automatically change on time as scheduled.

■ Reminder timer setting

1 Press **EPG**.

2 Press ▲/▼ to select the programme you want to watch.

3 Press **B** to set reminder time and mode.



4 Press **ENTER** to save reminder timer, and display the reminder schedule list.

5 Press **EPG** to exit.

NOTE
- The time displayed on the EPG is information sent by the TV station.

The added instruction for R/C buttons

FREEZE/COLOUR ADJ.

Freeze a moving image on the screen, then adjust the image showed on the screen manually.

1 Press **FREEZE/COLOUR ADJ.**.
A still image is displayed on screen, meanwhile, it also shows the colour adjustment menu. The still image is captured from active image when you press **FREEZE/COLOUR ADJ.** .

2 Press ▲/▼/◀/▶ to adjust colour among R,G,Y,B to the desired colour, press **ENTER** to save. Press **G** to return to the original colour. Press **B** to quit from still image. Press **R** to close the colour adjustment menu.

3 After finish colour adjustment, you can press **FREEZE/COLOUR ADJ.** to exit the still image.

NOTE
- The still image automatically goes out after 30 minutes.
- It will show “No still image display available” when the function doesn’t work .
- There is no such function in USB mode.
- When AV mode is DYNAMIC (FIXED), press **FREEZE/COLOUR ADJ.**, AV mode will change to "DYNAMIC".

⇆ (Flash Back)

Press ⇆ to switch the currently tuned channel to the previously tuned channel.
Press ⇆ again to switch back to the currently tuned channel.
Press ⇆ to toggle between the currently selected input source and the previously selected one.

(Mute)

Using (Mute) on the remote control unit to mute the current sound output.

1 Press **(Mute)**.

- The sound is silenced.
- "" is displayed while the mute function is on.



2 Press **(Mute)** again within 30 minutes to cancel the mute.

- Within 30 minutes, the volume level returns to the previous setting.

NOTE

- **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 pressing VOL+.**

MPX

You can switch between multiple audio modes when watching a multiple audio or stereo broadcast programme.
Each time you press **MPX** the mode switches as follows.

In the NICAM TV broadcasts

Signal	Mode switch
When receiving a stereo signal	NICAM STEREO , MONO
When receiving a bilingual signal	NICAM CH A, NICAM CH B, NICAM CH AB , MONO.
When receiving a monaural signal	NICAM MONO, MONO

In the TV mode of A2 TV broadcasts

Signal	Mode switch
When receiving a stereo signal	STEREO, MONO
When receiving a bilingual signal	CH A, CH B, CH AB
When receiving a monaural signal	MONO

SLEEP

Auto power-off at a designated time. This function is conveniently used when, for instance, going to bed while watching TV.

1 Press **SLEEP**.

- Remaining time displays when sleep timer has been set.

2 Each time you press **SLEEP**, the remaining time switches as shown below.

0 hr. 30 min. → 1 hr. 00 min. → 1 hr. 30 min. → 2 hr. 00 min. → 2 hr. 30 min. → Off

NOTE

- When the time has been set, countdown automatically starts.
- Five minutes before the preset of time expires, the remaining time displays each minute.
- Select "Off" by pressing **SLEEP** to cancel the sleep timer.

INFO

While watching DTV you can check the extended programme information on the screen using **INFO** on the remote control.

- You can cancel this info by pressing **INFO** again.

GUIDE

Display the channel list.

1 Press **GUIDE**, and then display the "Channel List" of DTV and ATV on the screen.

2 Press ▲/▼ to select the desired channel, and then press **ENTER** to switch to the selected channel.

- When received a encryption program that cannot be played, it will display the "key" icon.

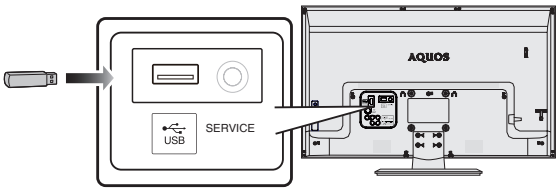
NOTE

- Only use for DTV.

Connecting a USB memory device

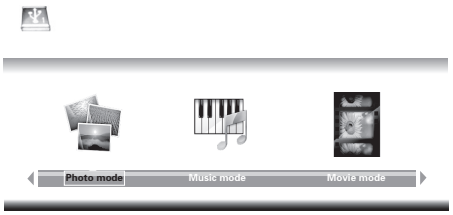
Connecting a USB memory device

You can connect the TV to a USB memory device to enjoy viewing pictures, listening to music, and watching videos.
Connect a commercially available USB to the USB port of the TV.



- Depending on the USB memory device, the TV may not be able to recognise the data.
- It may take time to read the data if the USB memory device contains many files or folders.
- Use only alphanumeric characters for naming files.
- File names over 17 characters (may vary depending on character set) may not be displayed.
- Do not connect and disconnect a USB from the TV repeatedly.
- Please follow these rule when the TV is displaying the signal from USB device:
  —Please do not turn off the TV.
  —Please don't disconnect the USB device.
  —Please be sure to exit from USB interface before pulling out the USB device, otherwise you maybe lose the data ,damage equipment or TV system could not work rightly.
- Please be sure to remove the USB device, then turn off the TV .
- Please connect a commercially available USB device after the TV power on.

Playing back files on a USB memory device



1 Select "USB " using **(INPUT SOURCE)** on the remote control unit or on the TV.

2 Press ◀/▶ to select "Photo mode", "Music mode" or "Movie mode", and then press **ENTER.**

3 Press ◀/▶ to select the drive where you want to find your files, and then press **ENTER.**

4 Press ▲/▼/◀/▶ to select the desired folder or directory, and then press **ENTER**.

Press ▲/▼/◀/▶ to select the desired file , and then press **ENTER**.

- The document be selected by cursor will shown the preview image after several seconds.
- Select the menu"Up Folder" shown on screen, can enter into upper folder.

5 Press **B** (blue) to display the USB operation menu. Press ◀/▶ to select the relevant functions, and then press **ENTER**. After the operation again press **B** (blue) hidden USB operation menu.

Function and its applicable mode in detail, please refer to the form on page 25.

Buttons for USB media operation

Button/ menu	Description	Photo mode	Music mode	Movie mode
▶/II	Play/Pause.	✓	✓	✓
◀◀	FB. Each time you press FB, the speed will change.	–	✓	✓
▶▶	FF. Each time you press FF, the speed will change.	–	✓	✓
⏮	Go to the previous file.	✓	✓	✓
⏭	Go to the next file.	✓	✓	✓
■	Stop playback and return to the file selection screen.	✓	✓	✓
	Loop. Each time you press **ENTER**, the mode will switch between Repeat All , Repeat None and Repeat 1.	✓	✓	✓
AB	Loop from point A to B. Press **ENTER** to set the current playback time starting point. Press **ENTER** to set the loop end of the current playing time and start loop playback. Press **ENTER** to cancel the loop.	–	–	✓
	MUTE.	–	✓	–
♫	Play/cancel the background music. The background music should be saved in the same folder with the photo .	✓	–	–
	Playlist. Select a file from the playlist to start playback.	✓	✓	✓
i	Display file information.	✓	✓	✓
▶▶	Slow-forward. Each time you press **ENTER**, the speed will change.	–	–	✓
▶▶|	Step. Each time you press **ENTER**, the picture will change to the next still picture.	–	–	✓
	Go to time. Set a start point of playing.	–	✓	✓
	Rotate the photo by 90 degrees to the right.	✓	–	–
	Rotate the photo by 90 degrees to the left.	✓	–	–
	Zoom in an image or photo.	✓	–	✓
	Zoom out an image or photo.	✓	–	✓
	Wide mode. Set wide mode, Press **ENTER** to change between “16:9”, “4:3”, “Just Scan” and “Auto”.	–	–	✓
	Move image up, down, left or right after zoom in. Press **ENTER** to exit.	✓	–	✓
	Set play time of the silde show. Every time press the **ENTER** will change between “continuous”, “1h” and “3 h”.	✓	–	–
	Set play time of every silde. Every time press the **ENTER** will change between “3 sec”, “5 sec” , “10 sec” and “1 min”.	✓	–	–

List of file formats compatible with USB mode

USB device	USB Memory, USB card reader (Mass Storage class), USB hard disk drive
File system	FAT/FAT32/NTFS (USB hard disk drive only)
Photo file format	JPEG (.jpg) (DCF2.0 compliant)
Music file format	• MP3 (.mp3) Bitrate: 32 k, 40 k, 48 k, 56 k, 64 k, 80 k, 96 k, 112 k, 128 k, 160 k, 192 k, 224 k, 256 k, 320 kbps Sampling frequency: 32 k, 44.1 k, 48 kHz

Video file format						
File extension	**Container**	**Video decoder**	**Supported resolutions**	**Audio decoder**	**frame rate (fps)**	**bit rate (Mbps)**
*.avi	AVI	Xvid 1.00/1.01/1.02/1.03	1920 × 1080	MP3/ Dolby Digital	30	8
		H.264	1920 × 1080		30	20
		MPEG2	1920 × 1080		30	8
*.mkv	MKV	H.264	1920 × 1080	MP3/ Dolby Digital	30	20
		MPEG2	1920 × 1080		30	8
		MPEG1	1920 × 1080		30	8
		H.265	1920 × 1080		30	30
*.mp4	MP4	Xvid 1.00/1.01/1.02/1.03	1920 × 1080	MP3/ Dolby Digital	30	8
		H.264	1920 × 1080		30	20
		H.265	1920 × 1080		30	30
*.vob	VOB	MPEG2	1920 × 1080	MP3/ Dolby Digital	30	20
.mpg/. mpeg	PS	MPEG2	1920 × 1080	MP3/ Dolby Digital	30	20
		MPEG1	1920 × 1080		30	20
.rm/.rmvb	RM	RM codec(RV 8/9/10)	1280 × 720	Real Audio	30	10
.ts/.trp/*. tp	TS	H.264	1920 × 1080	MP3/ Dolby Digital	30	20
		MPEG2	1920 × 1080		30	20
*.dat	DAT	MPEG2	1920 × 1080	MP3/ Dolby Digital	30	8
		MPEG1	1920 × 1080		30	8

NOTE

- Progressive format jpeg files are not supported.
- USB 1.1 devices may not be played properly.
- Operation using USB hubs is not guaranteed.
- Some file formats in the above list may not be played back correctly (including images, sounds, subtitles, etc.).
- Depending on the bit rate, some files may not be played back.
- Some subtitles may not be displayed correctly and this may affect the TV operation.
- For the partition of USB hard disk or the compatibility of USB cable, the USB hard disk may not be able to recognized. Some of external USB hard disk may not be able to recognized
- Some parts of files in USB device may cause the TV does not work properly, please operate the TV after remove the power plug and insert it again.
- The photos and pictures with some parts of resolutions may not be played back correctly.
- Only show the compatible file format.
- According to different files the displayed playback time may be sightly different from the actual.
- The length of time information may not be displayed correctly in some files.

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.	• Is the AC cord disconnected? (See page 10.) • Has the power been turned on? (See page 13.) • Check if you pressed **POWER** on the TV. If the indicator on the TV lights up red, please press **POWER** on the remote control unit.
• Unit cannot be operated.	• 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.
• Remote control unit does not operate.	• Are batteries inserted with polarity (+, −) aligned? (See page 12.) • Are batteries worn out? (Replace with new batteries.) • Are you using it under strong or fluorescent lighting? • Is a fluorescent light shining on the remote control sensor?
• Picture is cut off.	• Is the image position correct? (See page 18.) • Are screen mode adjustments such as picture size made correctly? (See pages 17 and 18.)
• Strange colour, light colour, or dark, or colour misalignment.	• Adjust the picture tone. (See pages 17.) • Is the room too bright? The picture may look dark in a room that is too bright. • Check the colour system setting. (See pages 15.)
• Power is suddenly turned off.	• The unit's internal temperature has increased. Remove any objects blocking the vent or clean. • Is the sleep timer, no signal off set? (See pages 19 and 23.)
• No picture.	• Is the connection to external equipment correct? (See pages 11 and 24.) • Is the correct input selected? (See pages 9,11 and 24.) • Is the picture adjustment correct? (See pages 17 and 18.) • Is the antenna connected properly? (See page 10.) • Check the colour system setting. (See pages 15.)
• No sound.	• Is the volume too low? (See page 13.) • Check the sound system setting. (See page 15.) • Is Mute work? (See page 23.)
• The TV sometimes makes a cracking noise.	• 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.
• Cannot select the desired channel.	• Switch between Digital TV and Analogue TV modes. (See page 9.)

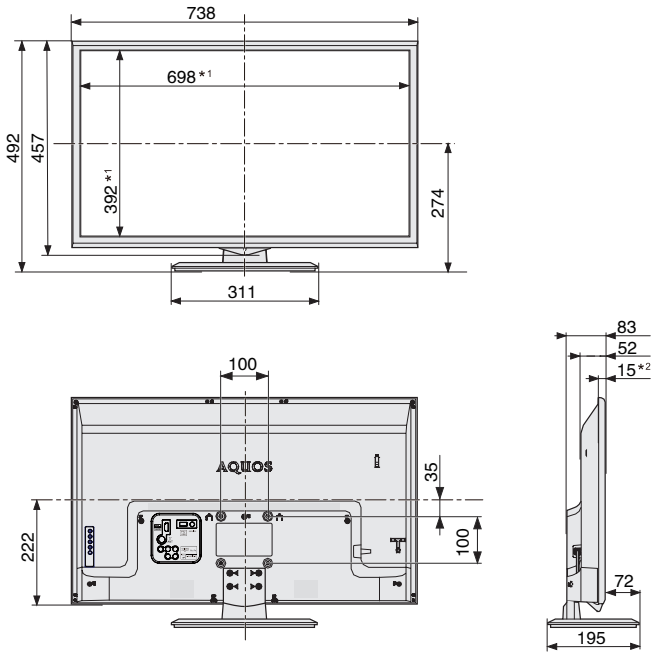
Cautions regarding use in high and low temperature environments

- 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.

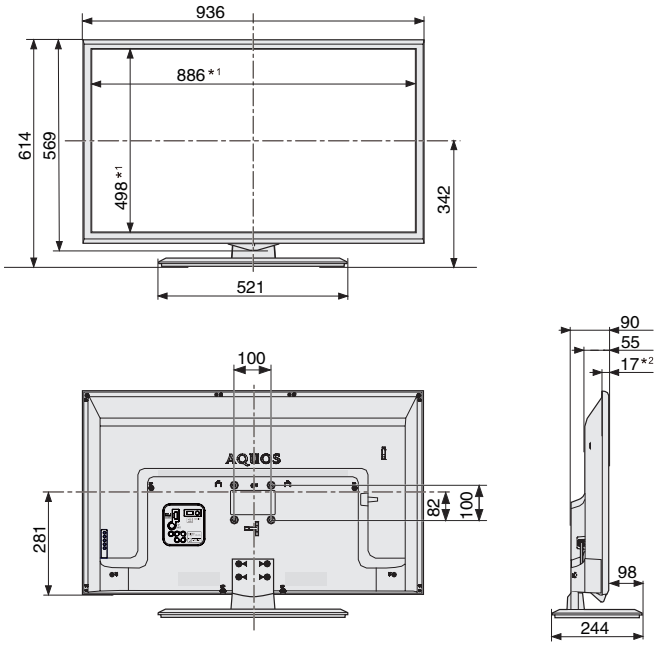
Dimensional drawings

Unit: mm

LC-32M3H



LC-40M3H



*1 Active area
*2 Thinnest part

Specifications

Item / Model			LC-32M3H	LC-40M3H
Resolution			1,049,088 pixels (1366 (H) × 768 (V))	2,073,600 pixels (1920 (H) × 1080 (V))
Video colour system			PAL/SECAM/NTSC 3.58/NTSC 4.43/PAL 60	
TV function	TV-Standard	Analogue	PAL:B/G, D/K, I SECAM:B/G, D/K NTSC:M	
		Digital	DTMB	
	Receiving channel	VHF/UHF	44.25MHz - 863.25 MHz	
		CATV	S1-S41ch (including Hyperband)	
	Digital terrestrial broadcast		52.5MHz - 866.0MHz	
	STEREO/BILINGUAL		NICAM: B/G, I, D/K ; A2 stereo: B/G	
TV tuning system	Analogue		Auto preset 99 channel	
	Digital		Auto preset 999 channel	
Audio amplifier			5W x 2 (L / R)	
Speaker			(100 mm x 30 mm) x 2	
Terminals	USB		USB 2.0	
	HDMI 1		HDMI (HDMI input) (480i, 576i, 480p, 576p, 720p/50Hz, 720p/60Hz, 1080i/50Hz, 1080i/60Hz, 1080p/50Hz, 1080p/60Hz, 1080p/24Hz)	
	INPUT2*		COMPONENT in (480i, 576i, 480p, 576p, 720p/50Hz, 720p/60Hz, 1080i/50Hz, 1080i/60Hz) , AUDIO in/ VIDEO in, AUDIO in	
	Analogue/Digital antenna		UHF/VHF 75 Ω Din type	
	SERVICE		For service only	
OSD language			English/Simplified Chinese/Traditional Chinese	
Power requirement			AC 110–240 V, 50 Hz	
Power consumption (Standby)			50W (0.5W)	73W (0.5W)
Weight	Without stand		4.6kg	7.5kg
	With stand		4.9kg	9.1kg
Operating temperature			0 °C to +45 °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 component and video input share the same terminal.