

OPERATION MANUAL

Dear SHARP customers

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.

Contents

Introduction

Dear SHARP customers	1
Contents	1
Precautions for daily use	2
Important safety precautions	3
Trademark	4
Accessories	5

Preparation

Attaching the stand unit	6
Handling and precautions with the wall-mounted TV	7
Parts names	7
TV (Front)	7
TV (Rear)	8
Remote control unit	9
TV (Operation button)	10
Before turning on the power	11
Connecting external devices	12
Connecting to a computer	13
Computer compatibility list	13
Inserting the batteries	14
Using the remote control	14
Cautions regarding the remote control unit	14
Turning the TV on/off	15
Turn on the TV	15
Turn off the TV	15

Watching TV

Picture	16
Sound	17
Channel (in TV mode)	18
Setting	19

Smart functions

Basic operation	20
Quick start	20
Setting	21

Other useful features

Connecting a USB memory device	22
Playing back files on a USB memory device	22
List of file formats compatible with USB mode	23

Appendix

Troubleshooting	25
Specifications	26
Dimensional drawings	27

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.** Do not place the product under air conditioner, humidifier and so on. The water may spill onto the product causing fire or electric shock.



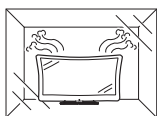
- **Stand** — Do not place the product on an unstable cart, stand, tripod or table. Doing so can cause the product to fall, resulting in serious personal injuries as well as damage to the product. Use only a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the product.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



- **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.**



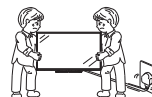
- **To prevent fire or shock hazard, do not place the AC power cord under the TV set or other heavy items.**



- **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.



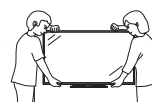
- **Unplug the power cord before you move the TV set.** If not unplugged beforehand, the power cord may become damaged and cause electric shock.



The LCD panel is a very high technology product, 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.

Trademark

- Dolby, Dolby Audio and the double-D symbol are trademarks of Dolby Laboratories. Manufactured under license from Dolby Laboratories. Confidential unpublished works. Copyright 1992-2015 Dolby Laboratories. All rights reserved.

- The terms HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

DISCLAIMERS






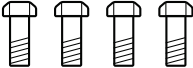
- This SHARP device facilitates the access to content and services provided by third parties. The content and services accessible via this device belong to and may be proprietary to third parties. Therefore, any use of such third party content and services must be in accordance with any authorization or terms of use provided by such content or service provider. SHARP shall not be liable to you or any third party for your failure to abide by such authorization or terms of use. Unless otherwise specifically authorized by the applicable content or service provider, all third party content and services provided are for personal and non-commercial use; you may not modify, copy, distribute, transmit, display, perform, reproduce, upload, publish, license, create derivative works from, transfer or sell in any manner or medium any content or services available via this device.
- SHARP is not responsible, nor liable, for customer service-related issues related to the third party content or services. Any questions, comments or service-related inquiries relating to the third party content or service should be made directly to the applicable content or service provider.
- You may not be able to access content or services from the device for a variety of reasons which may be unrelated to the device itself, including, but not limited to, power failure, other Internet connection, or failure to configure your device properly. SHARP, its directors, officers, employees, agents, contractors and affiliates shall not be liable to you or any third party with respect to such failures or maintenance outages, regardless of cause or whether or not it could have been avoided.
- All third party content or services accessible via this device is provided to you on an “as-is” and “as available” basis and SHARP and its affiliates make no warranty or representation of any kind to you, either express or implied, including, without limitation, any warranties of merchantability, non-infringement, fitness for a particular purpose or any warranties of suitability, availability, accuracy, completeness, security, title, usefulness, lack of negligence or error-free or uninterrupted operation or use of the content or services provided to you or that the content or services will meet your requirements or expectations.
- SHARP is not an agent of and assumes no responsibility for the acts or omissions of third party content or service providers, nor any aspect of the content or service related to such third party providers.
- In no event will SHARP and/or its affiliates be liable to you or any third party for any direct, indirect, special, incidental, punitive, consequential or other damages, whether the theory of liability is based on contract, tort, negligence, breach of warranty, strict liability or otherwise and whether or not SHARP and/or its affiliates have been advised of the possibility of such damages.

- The operation manual has been collated and checked strictly. Due to factors such as software upgrading, SHARP cannot guarantee that the actual operation keeps pace with the manual description.

Accessories

Supplied accessories

Please confirm that the following accessories are included with this TV.

Remote control unit	"AAA" size battery (×2)	Operation manual
 Used with batteries inserted Page 9	 Page 14	
Stand unit		
 "L" stand unit	 "R" stand unit	 Screws (×4)
Stand unit Page 6		

Preparation

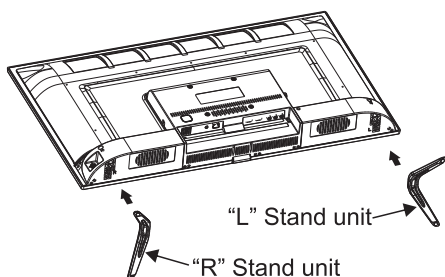
Attaching the stand unit

- When you attach the stand unit, put the TV on a flat surface.
- Before attaching (or detaching) the stand unit, 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

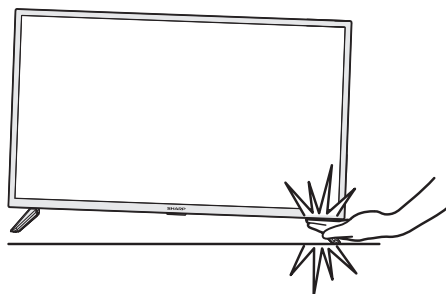
- **Attach the stand unit in the correct direction.**
- **Be sure to follow the instructions. Incorrect installation of the stand unit may result in the TV falling over.**

- 1 Remove the stand unit parts and accessories from the packing bag and the whole machine is laid flat to distinguish the left and right bases and front and rear directions of the base mounting. Then insert the stand unit into the bottom of the back casing of the TV as indicated in the figure.

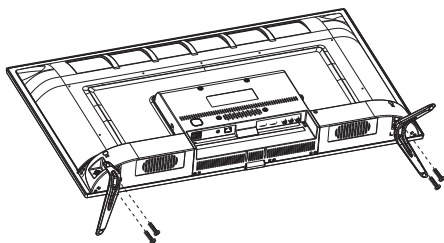


Note

- When installing the stand unit, it is required to place the front of the TV flat on the platform. Lay a layer of cushioning on the platform before laying it flat.
- To remove the stand unit, perform the above steps in reverse order.
- The stand unit does not allow adjustment of the angle.
- This product is not provided with a screwdriver.
- Be careful during the installation process to prevent your hands from being caught by the bottom of the TV and the floor.



- 2 Align the screw holes and then tighten with the 4 screws in the attachment.



Preparation

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

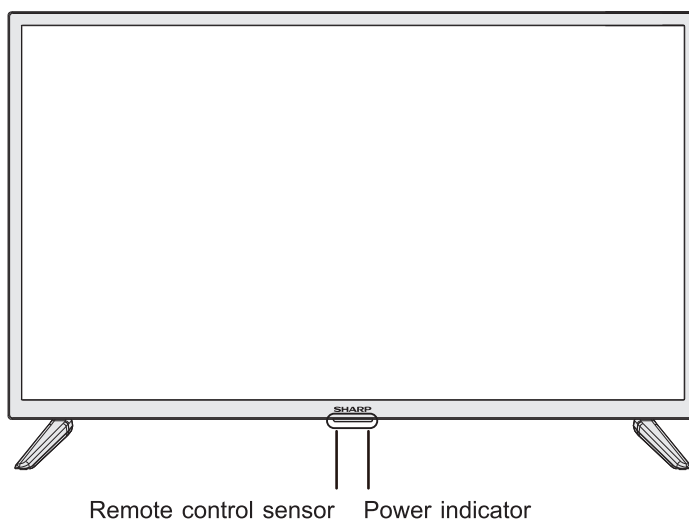
- This TV should be mounted on a wall only with a wall mount bracket recommended by SHARP. The use of other wall mount brackets may result in an unstable installation and may cause serious injuries.
- Installing the TV requires special skills that should only be performed by qualified service personnel.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

Parts names

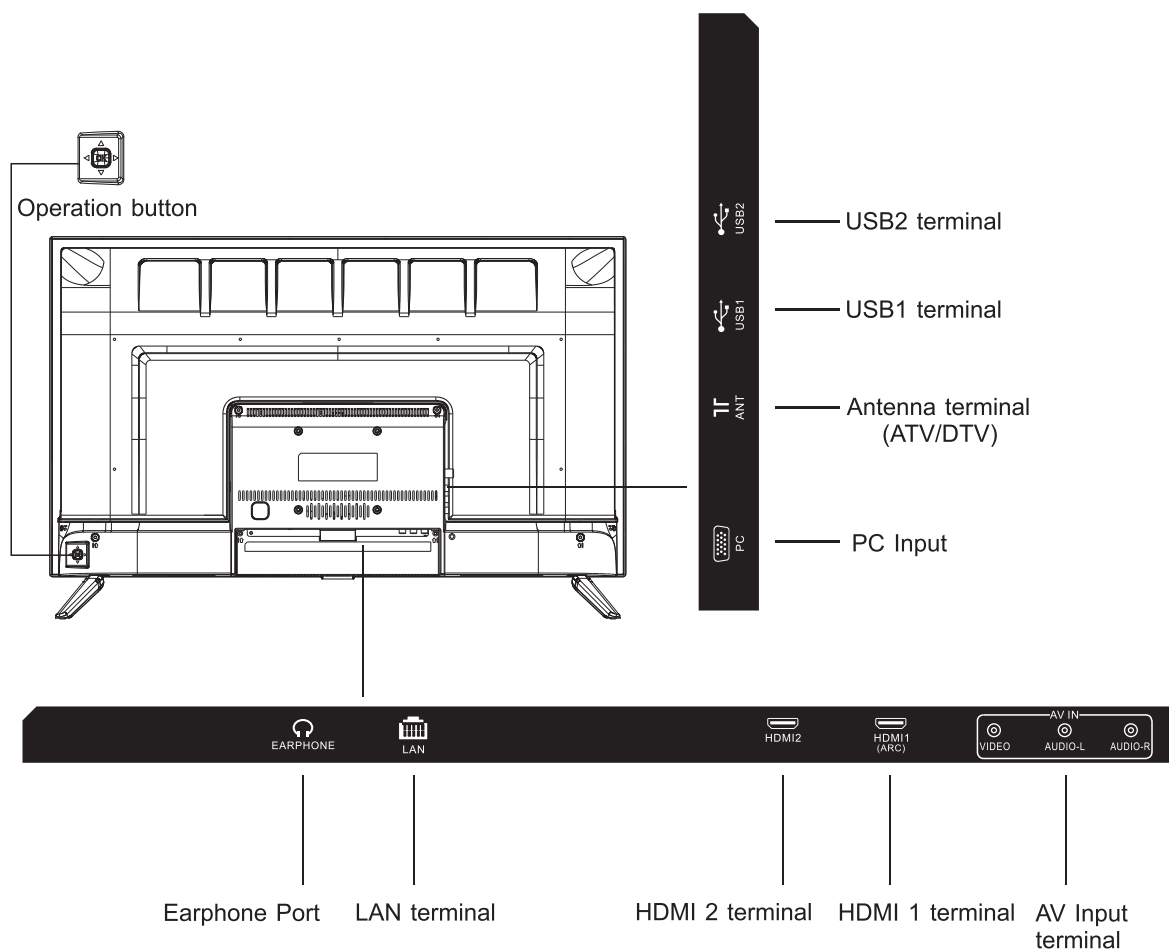
TV (Front)



- The illustrations and screen display in this manual are for explanation purposes and may differ slightly from actual operation.
- All illustrations used throughout this manual are based on 2T-C32AC1H.

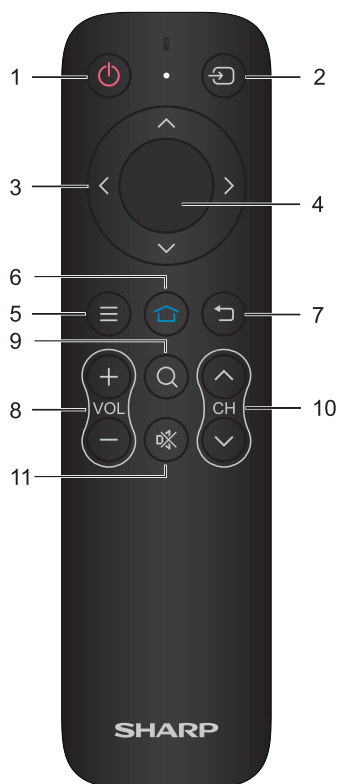
Preparation

TV (Rear)



Preparation

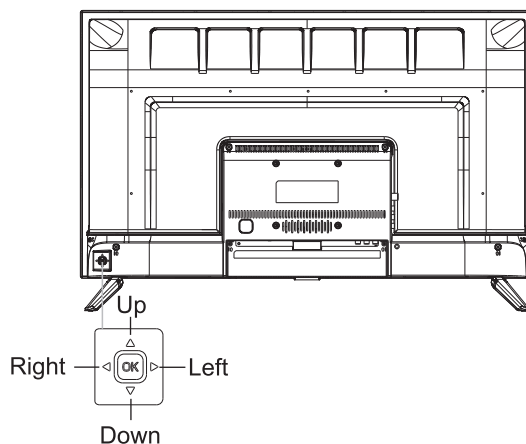
Remote control unit



- 1** **POWER(Standby/On)**
Turn the power on and off
- 2** **Input source**
Select on input source.
- 3**
Select a desired item on the settings screen.
- 4** **OK(input)**
Execute a command.
- 5** **(Menu)**
Display the option list of the TV
- 6** **(Homepage)**
Press this button to display the Smart Home screen.
- 7** **(Return)**
Return to the previous option list screen.
- 8** **VOL+/-**
Set the volume.
- 9** **(Browser)**
Go to the browser interface.
- 10** **CH (Channel)**
TV input mode: select previous/next channel.
- 11** **Mute**
Turn off the volume.


Preparation

TV (Operation button)



Operation button

OK button:

- After plugging in the power, press the **OK** button to turn on the TV from standby mode.
- In the power on state, press and hold for two seconds to display the simple option menu, select “” and press the **OK** button to confirm, the unit enters the standby mode. (The functions of the simple option menu are from left to right: HOME, BACK, MENU, SOURCE, CLOSE, STANDBY, SETTING, VOL-, VOL+).
- In “Simple Option Menu”, press the **OK** button to confirm the operation.

Move the **OK** button up/down/left/right.

- When there is a Option menu: Operate the option menu.
- Under the TV function, when there is no Option menu: Move the rocker up/down to switch channels; move the rocker to left/right to adjust the volume; Press the **OK** button to display the TV channel list.

Note

- In case of 5 seconds no operation, it will automatically exit the simple option menu.
- To operate the smart mode, use the remote control.

Preparation

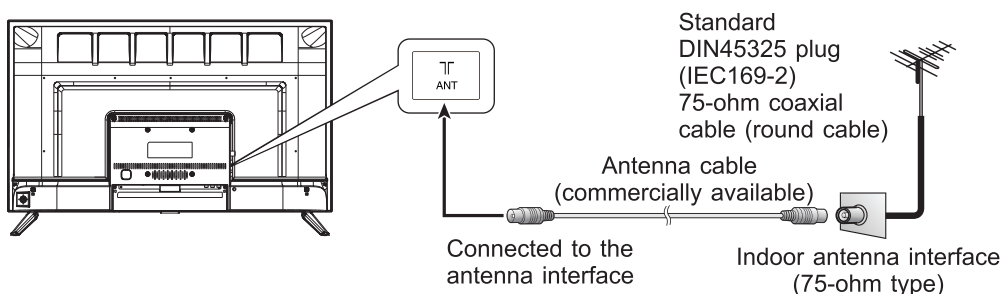
Before turning on the power

Instructions for setting the location of the TV

- Do not expose the TV to direct sunlight and keep it in a well ventilated area.
- Place the TV in a horizontal position.
- Do not turn on the power of the TV before connecting the AC power cord.
- If a protective film is attached to the casing of the TV, in order to ensure proper use of the unit, remove it before use.

1 Connecting the antenna cable

In order to enjoy clear TV images, please apply the outdoor TV antenna. The following is a brief explanation of the types of connections that are used for coaxial cable.

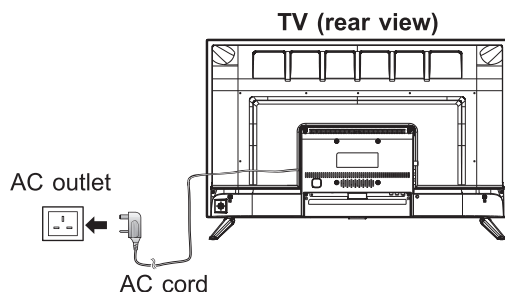


2 Connecting external devices

See page 12 for connecting external equipment, such as a VCR and DVD player.

3 Plug the AC cord into an AC outlet.

- ① Connect the antenna to the back of the TV.
- ② Plug the TV's AC power plug into an AC outlet.




- Place the TV near an AC outlet and make the power plug easily plugged and removed.
- If you are not using the TV for a long time, unplug the AC power cord from the AC socket.

CAUTION

- To prevent the risk of electric shock, do not touch any uninsulated parts of the wiring when connecting the power cable.

Preparation

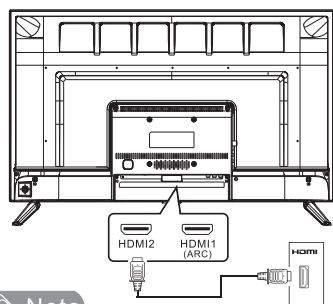
Connecting external devices

Many types of external devices can be connected to televisions, such as digital television set-top boxes(STBs),video recorders, game consoles, camcorders, DVD players, and computers. To view the image of the external source, press  on the remote control to select the input source you want to watch, press **OK** to confirm.

CAUTION

- To protect all devices, be sure to turn off the power of the TV before connecting a video recorder, game console, camcorder, DVD player, digital TV set-top box(STB),computer or other device.
- Please read the relevant instruction manual (digital TV set-top box(STB),video recorder, DVD player, etc.) carefully before connecting.

■ When using HDMI cable (commercially available)

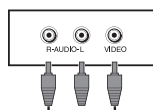
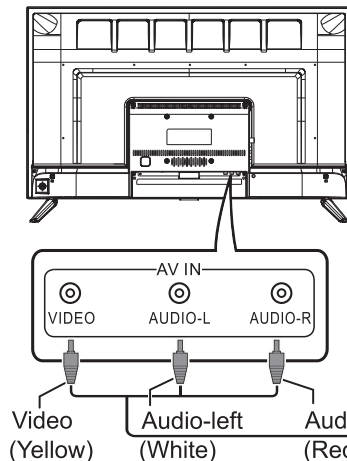


Digital TV set-top box (STB)
Video recorder/game console/camcorder,
DVD player/computer, etc.

Note

- When watching TV shows using a TV set-top box, use the set-top box remote control to switch channels.

■ When using audio and video cable (commercially available)



Digital TV set-top box (STB)/Video
recorder/game console/camcorder/DVD
player/computer, etc.

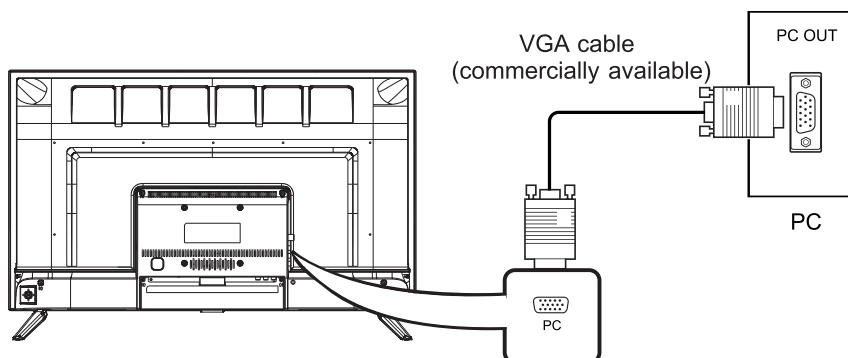
Note

- Please insert to the terminals by color.

Preparation

Connecting to a computer

Connect to the computer with a computer interface.



Computer compatibility list

2T-C32AC1H

Resolution		Vertical	D-Sub	HDMI	VESA
VGA	720 × 400	70 Hz	✓	–	✓
	640 × 480	60 Hz	✓	✓	✓
SVGA	800 × 600	60 Hz	✓	–	✓
XGA	1024 × 768	60 Hz	✓	–	✓
WXGA	1360 × 768	60 Hz	✓	–	✓

2T-C40AC1H

Resolution		Vertical	D-Sub	HDMI	VESA
VGA	720 × 400	70 Hz	✓	–	–
	640 × 480	60 Hz	✓	✓	✓
SVGA	800 × 600	60 Hz	✓	–	✓
XGA	1024 × 768	60 Hz	✓	–	✓
	1280 × 720	60 Hz	✓	✓	–
SXGA	1280 × 1024	60 Hz	✓	–	✓
WXGA	1360 × 768	60 Hz	✓	–	–
	1600 × 900	60 Hz	✓	–	✓
WUXGA	1920 × 1080	60 Hz	✓	✓	✓

NOTE

- This TV is only compatible with the computer and will only operate correctly if the video card is fully compliant with the VESA 60Hz standard. If there is any difference from the standard, it can cause distortion of the picture.
- VGA, SVGA, XGA, WXGA, SXGA, SXGA+, and UXGA are registered trademarks of International Business Machines Corp. (IBM, International Business Machines Corporation).

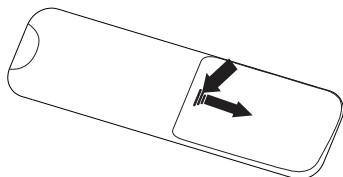
Preparation

Inserting the batteries

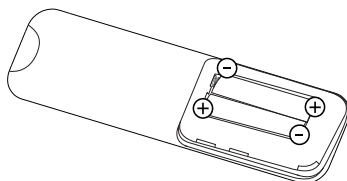
Before using the TV for the first time, insert two "AAA" batteries (supplied).

When the battery is exhausted and the remote control is not operational, replace it with new "AAA" batteries.

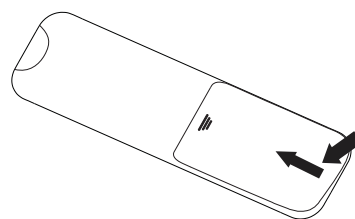
1. Open the battery cover.



2. Insert the two supplied "AAA" size batteries.



3. Close the battery cover.



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

CAUTION

If the battery is used improperly, it may cause chemical leakage or explosion.

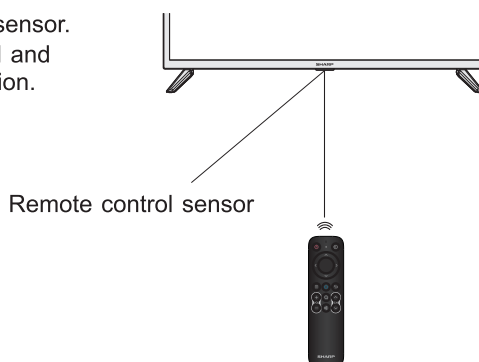
Be sure to follow the instructions described below.

- Do not mix different types of batteries. Different models of batteries have different characteristics.
- Do not mix new and old batteries together.
If a new battery is used in combination with an old battery, it will shorten the life of the new battery or cause chemical leakage in old batteries.
- When the battery is exhausted, remove the battery immediately. Chemicals leaking from the battery can corrode parts in the battery compartment. If any chemical is found to leak, wipe the chemical thoroughly with a cloth.
- Due to different storage conditions, the battery supplied with this unit may not reach the expected life.
- If you will not use the remote control for a long time, remove the batteries from the remote control.
- Do not expose the battery to excessive heat such as direct sunlight or fire.

Using the remote control

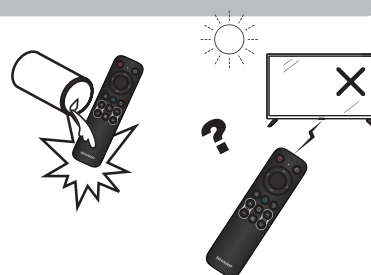
When using the remote control, point it at the remote sensor.

If there is a blocked object between the remote control and the sensor window, it may interfere with normal operation.



Cautions regarding the remote control unit

- Do not place the remote control under severe vibrations.
Also, do not immerse the remote control in a liquid or place it in a very humid place.
- Do not set or place the remote control in direct sunlight.
Heat will cause the deformation of the remote control.
- The remote control may malfunction when the TV's remote sensor is exposed to direct sunlight or strong illumination. In this case, change the angle of the lighting or LCD TV, or operate the remote control near the remote sensor.



Preparation

Turning the TV on/off

Turn on the TV

After the TV is connected to the power supply, the TV is in standby mode.

Press **⏻ (POWER)** on the remote control of TV or the **OK** button on the TV:

- You can switch the TV into standby mode by pressing **⏻ (POWER)** on the remote control.

Turn off the TV

If it is already on, press **⏻ (POWER)** on the remote control or the **OK** button on the TV, select “STANDBY” in the rocker option menu:

- The TV is switched into standby mode and the image on the screen disappears.
- The power indicator will light up in blue. Press **⏻ (POWER)** on the remote to turn the TV on again.
- If you need to turn off the power from standby mode, unplug the TV power cord.

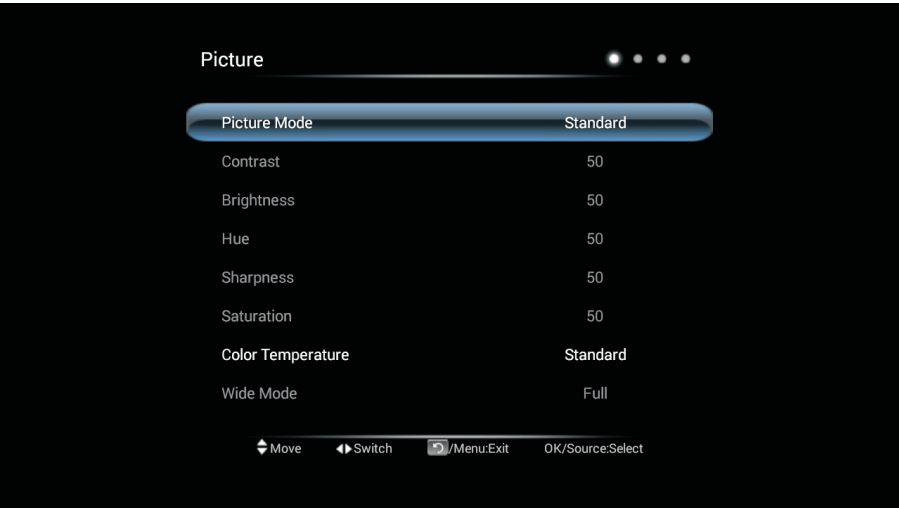
Note

- 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.
- If the TV loses power in special circumstances (such as power outage or grid fluctuations, etc.), it may not work well when it is switched on again. Please try to power off the TV (by the **⏻ (POWER)** on the remote control) 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 off the power casually in the process of switching on or switching off the TV, running APPS or updating, otherwise TV system could not work correctly. Please turn off the TV after closing all APPS.

Watching TV

Picture

1. Press the \equiv key on the remote control to display the main menu.
2. Press the \langle / \rangle key to select the main item "Picture" to be adjusted.
3. Press the \wedge / \vee key on the remote control to select the item you want to adjust; press the **OK** key to confirm the adjustment item or change the setting value.
4. If the adjustment item has a set value that can be adjusted, use the $\wedge / \vee / \langle / \rangle$ key on the remote control;
5. Press the \equiv key again to leave this screen.

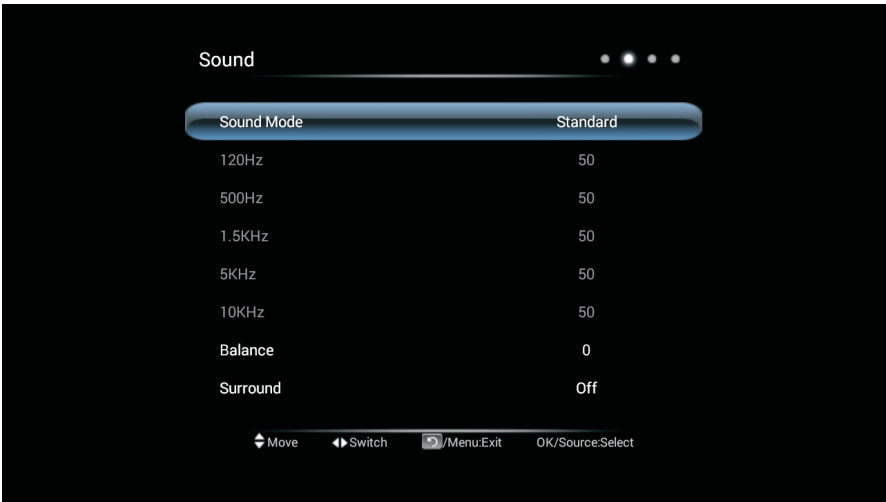


Option	Description
Picture mode	Press OK key to confirm and press \langle / \rangle key to set the Picture Mode: Standard/Soft/User/Bright. At User mode, the value of Contrast, Brightness, Sharpness and Saturation can be adjusted.
Color Temperature	Press \langle / \rangle key to set the color temperature of picture: Cool/Standard/Warm
Wide Mode	Press \langle / \rangle key to set the aspect ratio of screen: Full/4:3/Film/Subtitle/Auto/PC Mode (only under HDMI input source).
DNR	Press \langle / \rangle key to set the noise suppression level: Off/Low/Medium/High
PC Image Mode	Available in PC input mode.

Watching TV

Sound

- 1. Press **≡** key on the remote control to display the menu screen.
- 2. Press **</>** key to select the main item "Sound" to be adjusted.
- 3. Press **^/∨** key to select the item you want to adjust; press **OK** key to confirm.
- 4. Press **</>** key to adjust the setting value of the item.
- 5. Press **≡** key again to exit the menu screen.

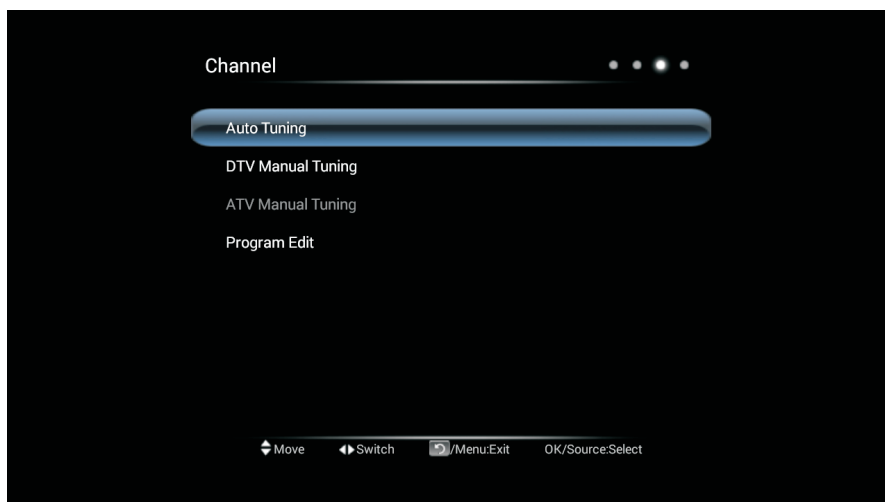


Option	Description
Sound Mode	Press OK key to confirm and press </> key to select the Sound mode: Standard/Music/Movie/User
120Hz,500Hz, 1.5KHz ,5KHz, 10KHz	Select User mode, press ^/∨/ </> /OK key to select the item, press </> key to adjust the setting value. Adjust according to the frequency band of audio sound or source.
Balance	Adjust the balance of Speakers sound, turn left the volume on left side larger, turn right the volume on right side larger. In general, the "balance" is set at "0".
Surround	Press </> key to set "Off" or "On".
ARC	Press </> key to set the digital audio output "On" or "Off".
Audio only	Press OK key to confirm, TV screen turn off after 5 seconds, leaving only the sound. Press any key on remote control to recover.

Watching TV

Channel (in TV mode)

1. Press \equiv key on the remote control to display the menu screen.
2. Press \langle / \rangle key to select the main item "Channel" to be adjusted.
3. Press \wedge / \vee key to select the item you want to adjust; press **OK** key to confirm the adjustment item or perform the function.
4. Press \equiv key again to exit the menu screen.

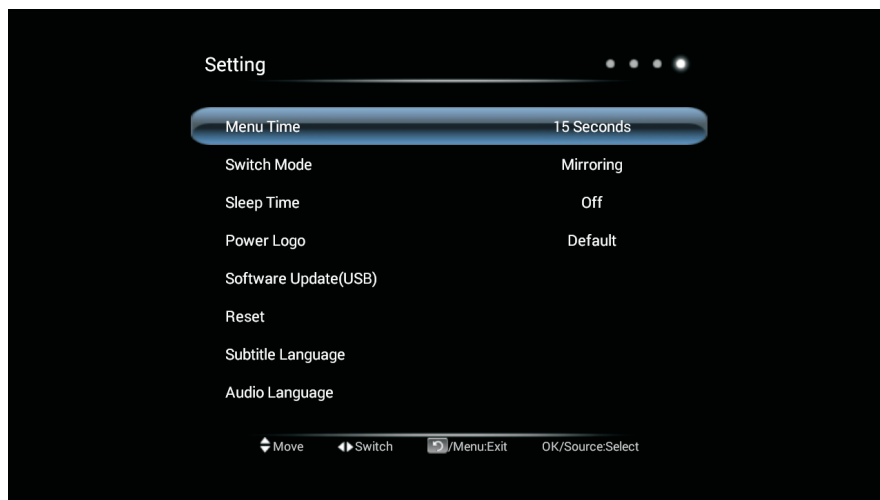


Option	Description
Auto Tuning	The available channel programs are automatically searched, and the search can be exited by press \equiv key in the program search process.
DTV Manual Tuning	To manually search for digital TV programs, press \langle / \rangle key to select the corresponding channel number, select "Search", and press OK key to search.
ATV Manual Tuning	Press \wedge / \vee key to select the item you want to adjust: Channel, Color system, Sound system, Search, Frequency; manually search for analog TV programs, press \langle / \rangle key to select the corresponding channel number, press \wedge / \vee key to select Search, press \langle / \rangle key to start low frequency or high frequency search, press \equiv key to exit.
Program Edit	Press \wedge / \vee key to select Program Edit, press OK key to enter, select the item you want to edit (Skip, Edit, Delete, Move).

Watching TV

Setting


1. Press **≡** key on the remote control to display the menu screen.
2. Press **</>** key to select the main item "Setting" to be adjusted.
3. Press **^/∨** key to select the item you want to adjust; press **OK** key to confirm the adjustment item or perform the function.
4. Press **</>** key to adjust the setting value of the item.
5. Press **≡** key again to exit the menu screen.





Option	Description
Menu Time	Press OK key to enter the display time interface, press </> key to adjust the menu display time: 5 Seconds, 10 Seconds, 15 Seconds, 20 Seconds, 30 Seconds, Always.
Switch Mode	Press OK key to enter, press </> key to select "Mirroring" or "Black screen".
Sleep Time	Press OK key to enter, press </> key to select the shutdown time: 10 minutes, 20 minutes, 30 minutes, 60 minutes, 90 minutes, 120 minutes, 180 minutes, 240 minutes, Off.
Power Logo	Press OK key to enter, press </> key to select "Default" or "Off".
Software Upgrade (USB)	Special for maintenance.
Reset	Restore factory settings.
Subtitle Language (DTV)	Press OK key to enter, then press ^/∨ key to select the subtitle of TV program.
Audio Language (DTV)	Press OK key to enter, then press ^/∨ key to select the audio language of TV program.
MPX(ATV)	Press OK key to enter, then press ^/∨ key switching the sound channel.

Smart functions

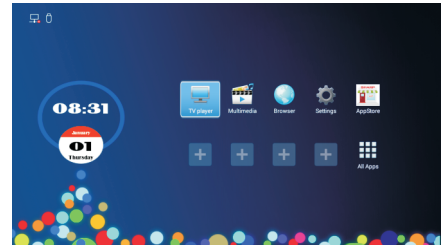
Basic operation

Press the  key on the remote control to display the smart home screen (the smart home screen is subject to actual conditions).

1. Press the  key to select an App;
2. Press the **OK** key to execute;
3. Press the  key to return to previous page.

Note

In the smart mode, different applications and operating methods are also different. The operating methods described in this manual are for reference only. Please operate the machine according to the actual situation.



Quick start

Before using this machine, please understand the following operations for a better experience.

The operation of connecting mouse

1. Single click: click the mouse button and release it immediately;
2. Long press: hold down the mouse button for more than 3 seconds and then release it;
3. Single-clicking the left mouse button has the same effect to pressing the **OK** key on the remote control;
4. Single-clicking the right mouse button has the same effect to pressing the Return button on the remote control.

Language and input settings

Language setting: Select "**Settings**"> "**Language & input**", press the **OK** key, press the **>** key, press the **^/∨** key, select the "**Language**", press the **OK** key, select the language you want in the displayed language interface, and press the **OK** key to select.

Select the input method: select "**Settings**" > "**Language & input**", press the **OK** key, press the **>** key, press the **^/∨** key, select the "**Default**", press the **OK** key, select the input method you want in the displayed interface, and press the **OK** key to select.




Set system time: In smart mode, select "**Settings**" > "**Date & Time**" > "**Automatic date & time**", press the **OK** key to check, the system will automatically get the time and update from the network, if your TV is not connected to the network, select "**Automatic TV date & time**".

Smart functions

Setting

Wireless and network settings: Select the **Settings** in smart mode and press **OK** key to enter.

Wireless settings:

1. Select Wireless LAN, press the **OK** key, press the > key to select wireless network and press **OK** key to turn on the wireless network function, the unit automatically searches for nearby wireless network signals, and when the searched network has a  icon indication when it is displayed, the network can be connected without a password. When the searched network has the  icon, it indicates that the network is encrypted. You must confirm the correct password before connecting to the network. (Or select  in the upper right corner and press **OK** key, then select Scan, the TV will scan nearby wireless network signals)
2. Select the network you want to connect to in the network list and press the **OK** key.
3. Type the network connection password in the password box, select the **Connect**, and press the **OK** key to connect to the network;
4. If your router does not support automatic IP address acquisition, you need to select the **Show advanced option**, press the **OK** key to check, select static in the IP settings bar;
5. Confirm the IP address, gateway and other information; (IP address, gateway and other information can be obtained from the relevant network administrator)
6. When selecting a **Connect**, press the **OK** key to connect to the network.

Wired settings:

1. Select **"Ethernet"**, press **OK** key, and then press > key;
2. Select **"Proxy & IP Settings"**, set the proxy and IP address;
3. Select **"PPPOE settings"**, press **OK** key, confirm the username and password, select **"Connect"**, and press **OK** key to connect to the network.

Wireless hotspot

1. Select **More...**, press **OK** key, then press > key;
2. Select **Portable hotspot** and press **OK** key;
3. Select **Portable Wireless LAN hotspot** and press **OK** key to enable the **WLAN** hotspot function.
4. Select **Setup wireless LAN hotspot** and press the **OK** key;
5. Confirm the hotspot name in the Network SSID bar. The system defaults to "AndroidAP".
6. In the Security column, press the **OK** key to select the security type. If you do not need to set a password when you are an open network, select the security type None. However, any device that searches for your network can connect to your open wireless network. If you choose WPA PSK/NO/WPA2 PSK encryption, you need to confirm more than 8 protection passwords. Other devices search for your shared wireless network, you need to confirm the correct password to connect to your network.
7. The system will automatically configure a password for you. You can also type a password yourself in the password box.
8. Select **Save** and press **OK** key to save the settings. Other wireless devices in the area will search for your network when searching for wireless network.

Other useful features

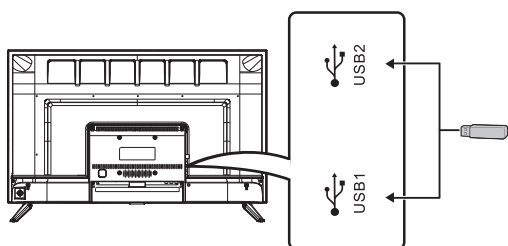
You can connect a USB memory device or a USB hard disk drive (HDD) to the TV to enjoy viewing pictures, listening to the audio, and watching videos.

Note

- 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.
- External subtitles for some video files may not be supported.

Connecting a USB memory device

Insert the USB memory device with recorded pictures audio or videos into the USB 1 or USB 2 terminal on the TV.

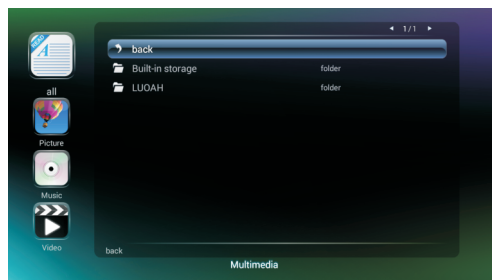







- The USB 1 and USB 2 terminals cannot be connected with USB hard disk drives at the same time.
- When connecting a USB hard disk drive, be sure to use a hard disk drive with an AC adapter.
- Do not remove the memory device from the TV while transferring files.
- Do not insert and remove a USB memory device/ USB hard disk drive to and from the TV repeatedly.
- When using a card reader, be sure to insert memory card first before using the card reader.
- The TV may not be able to recognise the card reader.
- Please follow the rules below when the TV is displaying the file of the USB device:
 - Please do not turn off the TV directly.
 - Please do not disconnect the USB device directly.
 - Please be sure to exit from USB interface before removing the USB device, otherwise you may lose the data, damage the device or TV system may not work properly.
- If the TV connects with USB-HUB, the TV may not be able to recognise all USB memory devices.

CAUTION

- Do not use the USB extension cable, otherwise it may cause the TV does not work properly.
- Please insert the USB device after the TV is powered on properly.

Playing back files on a USB memory device



- 1 Press  on the remote control to enter the Smart Home Screen, select "Multimedia", then press **OK** key to enter.
- 2 Press  key to select the device or drive you want to enter, then press **OK** key to enter.
- 3 Press  key to select the desired folder or directory and press **OK** key to enter. Press  key to select the desired file, then press **OK** key to enter.
 - Select  key on the screen to exit to upper folder.

Other useful features

List of file formats compatible with USB mode

Supported video format

Encoding format	Resolution	file format	
MPEG2	1920×1080	MPEG program stream	.DAT
			.VOB
			.MPG
			.MPEG
		MPEG transport stream	.TS
			.TRP
			.TP
			.MP4
		MP4	.MOV
			.3gpp
MPEG4	1920×1080	MP4	.3gp
			.MP4
		3GPP	.MOV
			.3gpp
H.264	1920×1080	FLV	.FLV
		MP4	.MP4
			.MOV
		3GPP	.3gpp
			.3gp
		MPEG transport stream	.TS
			.TRP
			.TP
HEVC (H.265)	1920×1080	MP4	.MP4
			.MOV
		MPEG transport stream	.TS
			.TRP
			.TP

Other useful features

■ Supported audio format

Audio decoding	file format
AAC-LC,HE-AAC	AAC (.aac)
	3GPP (.3gpp,.3gp)
	MP4 (.mp4,.mov,.m4a)
	MPEG transport stream (.ts,.trp,.tp)
	MPEG program stream (.DAT,.VOB,.MPG,.MPEG)
	FLV (.flv)
	RM (.ra)
	MP3 (.mp3)

■ Supported picture format

File extension	Resolution	Remarks
JPEG	1920x1080	The limitation of max resolution depends on DRAM size
	1024x768	
PNG	4000x4000	
	1200x800	
BMP	15360x8640	

Appendix

Troubleshooting

The following problems are not always caused by malfunctions. Please check the TV again before having the TV serviced.

Problem	Possible solution
• No power.	<ul style="list-style-type: none"> • Is the AC power cord connected or not?(See page 11.) • Is the main power turned on?(See page 15.) • If the power switch does not work, unplug the power cord and plug it in, wait for more than 5 seconds, then press OK button on the TV.
• The TV cannot be operated.	<ul style="list-style-type: none"> • External effects such as lightning, static electricity, etc., can cause malfunction. In this case, turn off the power of the TV, or unplug the AC power cord and wait for 1 to 2 minutes before reinserting before operating the TV.
• Remote control does not operate.	<ul style="list-style-type: none"> • Is the battery installed in electrode (+, -)?(See page 14.) • Is the battery exhausted? (Replace it with new battery.) • Is it used under glare or fluorescent lamp? • Is there a fluorescent lamp that illuminates the remote sensor?
• Picture is cut off.	<ul style="list-style-type: none"> • Is the screen mode adjustment (such as image size) correct?(See page 16.)
• Strange color, light color, or dark, or color misalignment.	<ul style="list-style-type: none"> • Adjust the picture tint.(See page 16.) • Is the room too bright?The picture may look dull in an especially bright room. • Check the settings of the color system.(See page 18.)
• The power is suddenly turned off.	<ul style="list-style-type: none"> • The temperature inside the machine rises. Remove objects that block the vents or clean the vents. • Is the sleep timer, no signal power off ?(See page 19.)
• No image.	<ul style="list-style-type: none"> • Is the connection to its external device correct?(See page 12,13,22.) • Is the correct input selected?(See page 18.) • Is the image adjustment correct?(See page 16.) • Is the antenna properly connected?(See page 11.) • Check the settings of the color system.(See page 18.)
• No sound.	<ul style="list-style-type: none"> • Is the volume too low?(See page 9.) • Check the settings of the sound system.(See page 18.)
• The TV sometimes makes a cracking noise.	<ul style="list-style-type: none"> • This is not a malfunction. Due to temperature changes, the casing will have a slight thermal expansion and contraction, and may make a sound at this time. This does not affect the performance of the TV.
• You cannot select the channel you want.	<ul style="list-style-type: none"> • Switch between Digital TV and Analogue TV modes.(See page 18.)
• Unable to connect to the Network.	<ul style="list-style-type: none"> • Is the LAN cable connected correctly? • Please confirm the settings of "Network Settings".

Attention for use under high and low temperatures

- 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.

Appendix

Specification

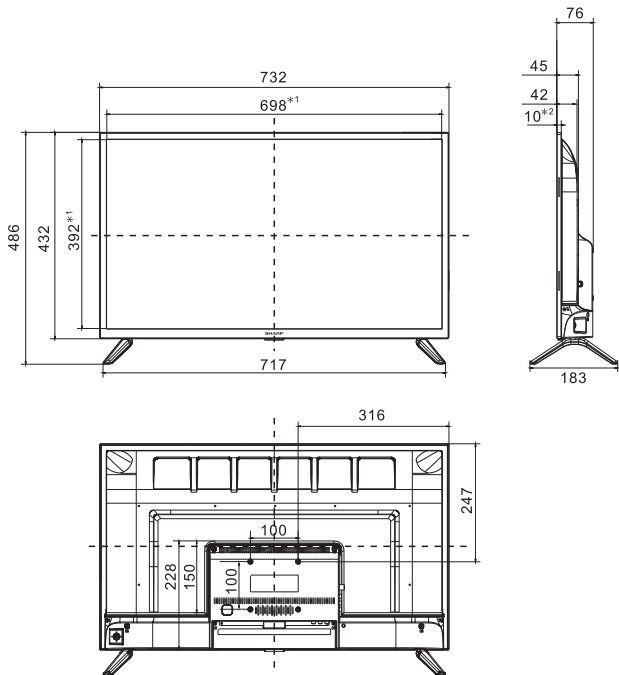
Item			Model	2T-C32AC1H	2T-C40AC1H
Resolution				1,049,088 pixels(1366(H)×768(V))	2,073,600 pixels(1920(H)×1080(V))
Video color system				PAL/SECAM/NTSC	
TV function	TV-Standard	Analogue	PAL:BG,DK,I SECAM:BG,DK NTSC:M		
		Digital	DTMB		
	Receiving channel	VHF/UHF	49.50MHz-878.25MHz		
	Digital terrestrial broadcast		177500KHz-858000KHz		
	Sound System		D/K,I,M,B/G		
TV tuning system	Analogue		Auto preset 199 channel		
	Digital		Auto preset 999 channel		
Audio amplifier				6W×2(L/R speaker)	
Speaker				(94mm×40mm×29.5mm)×2	
Terminals	Side	USB2	USB2.0		
		USB1	USB2.0		
		Antenna input	Coaxial 75 Ωunbalanced		
		Computer input	15-pin small D-Sub		
	Rear	Earphone	Φ 3.5mm		
		LAN	Network connector		
		HDMI 1(ARC)	HDMI(HDMI input)(576i,576p/50Hz,480i,480p/60Hz,720p/50Hz,720p/60Hz,1080p/60Hz,1080p/50Hz,1080p/30Hz,1080p/25Hz,1080p/24Hz)		
		HDMI 2	HDMI(HDMI input)(576i,576p/50Hz,480i,480p/60Hz,720p/50Hz,720p/60Hz,1080p/60Hz,1080p/50Hz,1080p/30Hz,1080p/25Hz,1080p/24Hz)		
		AV Input	Video input,Audio input		
OSD language				Traditional Chinese/English/Simplified Chinese	
Power requirement				AC 220V,50Hz	
Power consumption (Standby)				55W(0.5W)	
Weight	Without stand		3.9Kg	5.4Kg	
	With stand		4.0Kg	5.5Kg	
Operating temperature				0°C to +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.					

Appendix

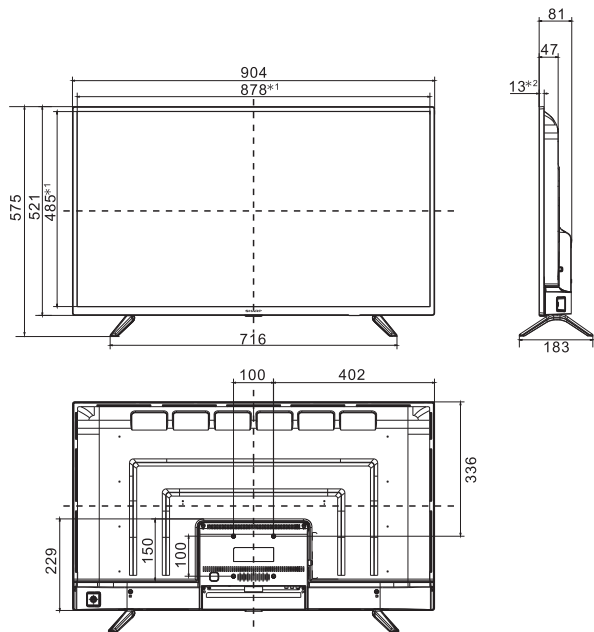
Dimensional drawings

2T-C32AC1H

Unit: mm



2T-C40AC1H



*1 Effective area
*2 Thinnest part

SHARP®

SHARP CORPORATION