SHARP

AQUOS

Google TV

LED BACKLIGHT TV / MONITOR

OPERATION MANUAL

- Please choose your favourite page from the content.
  If you want to close the operation manual, press the
  (HOME) button.

  Also, if you want to return to the previously displayed page,
  press the ← (Back) button.

  Please scan the code below to access PDF E-Manual.
  The networks of the internet charges will be applied.

Remote Control Unit

Type A

Type B

1 ⬤ / 🔴 **(POWER):** Switch the TV power on or enter standby.

2 0-9: Set the channel.

3 🔲 **(AD/MPX):** Select the sound multiplex mode and audio description.

4 ◄◄ / ► / ►► / I◄◄ / II / ►►I / ■: Operate media contents on TV and VOD (Video On Demand) service playback.

5 INPUT: Select an input source.

6 ▶YouTube **(YouTube):** Display the YouTube screen.

7 ⋮⋮⋮ **(Apps):** Open all Apps launcher.
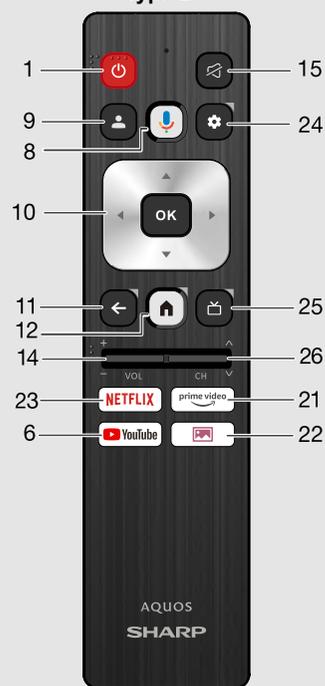
8 🎤 **(Google Assistant)**

Press the **Google Assistant** button on your remote to do more on your TV with your voice.

9 👤 **(Profile):** Switch profile.

10 ∧ / ∨ / < / >, **ENTER/OK:** Select a desired item on the screen.

11 ← **(Back):** Return to the previous screen.

12 🏠 **(HOME):** Display the HOME screen.

13 🔖 **(Watchlist):** To add a program to your watchlist.

14 VOL+/-: Set the volume.

15 🔇 **(Mute):** Mute the sound. Mute can be cancelled by pressing **VOL +/-** or 🔇 **(Mute)**.

16 🔴, 🟢, 🟡, 🔵 **:** The coloured buttons are correspondingly used to select the coloured items on the screen.

17 🔲 **(Subtitle):** Switch subtitle languages on/off.

18 🔲 **(Teletext):** Select the teletext mode.

19 INFO: Display the programme information (Antenna input only).

20 TOOLS **(TOOLS):** Display the Tools screen.
You can access menu screen by pressing **TOOLS** while watching TV in "Live TV" apps.

21 prime video **(prime video):** Display the prime video screen.

22 🖼 **(SHARP COCORO ALBUM):** To view the picture where SHARP COCORO ALBUM using AI recognize faces and organize memories automatically.

23 NETFLIX **(NETFLIX):** Display the NETFLIX screen.
If you press the **NETFLIX** button when the TV is turned off, the TV turns on and the NETFLIX screen is displayed.

24 ⚙ **(Dashboard):** Access the settings (direct or through the dashboard in Google TV) from any place in the system.

25 📺 **(Live Guide):** Open Live TV EPG.

26 CH ∧ / ∨: Select the channel.

- Use the Type A remote control for all operations.
- The Remote Control Unit illustration in this operation manual is for explanation purpose and may vary slightly from the actual remote control unit depending on the selected region.
- Google Assistant is not available in certain languages and countries. Availability of services varies by country and language.

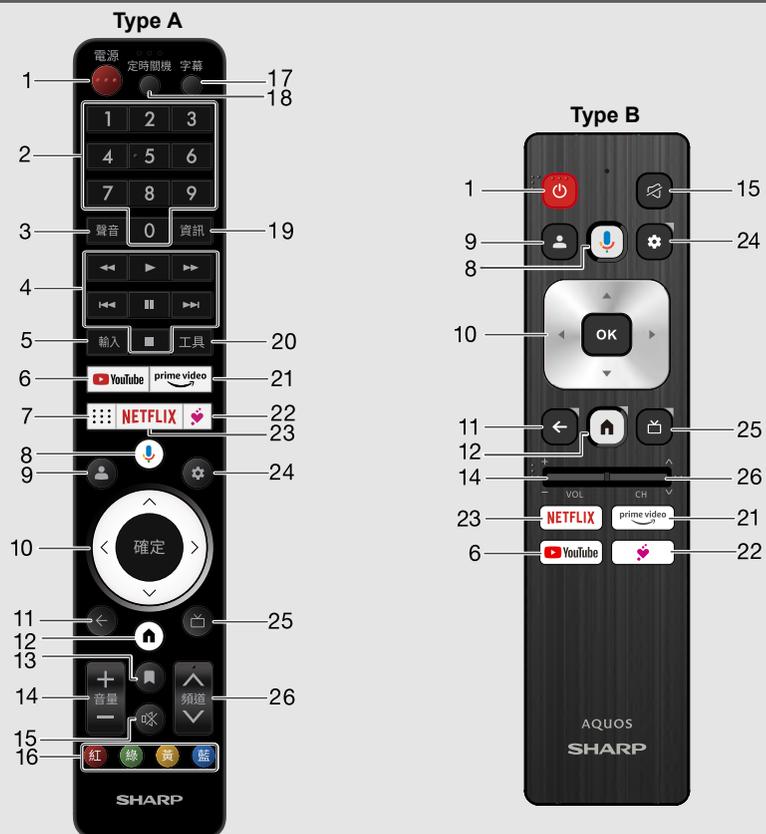## Remote Control Unit (Taiwan only)

Type A

Type B

8 **(Google Assistant)**

Press the **Google Assistant** button on your remote to do more on your TV with your voice.

9 **(Profile):** Switch profile.

10 ∧ / ∨ / ＜ / ＞, 確定 (ENTER) / **OK:** Select a desired item on the screen.

11 **(Back):** Return to the previous screen.

12 **(HOME):** Display the HOME screen.

13 **(Watchlist):** To add a program to your watchlist.

14 音量**+/-** (VOL+/-)**:** Set the volume.

15 **(Mute):** Mute the sound. Mute can be cancelled by pressing 音量**+/-** (VOL+/-) or **(Mute)**.

16 **(R),** **(G),** **(Y),** **(B):** The coloured buttons are correspondingly used to select the coloured items on the screen.

17 字幕 (Subtitle)**:** Switch subtitle languages on / off.

18 定時關機 (SLEEP)**:** Set the sleep timer.

19 資訊 (INFO): Display the programme information (Antenna input only).

20 **(TOOLS):** Display the Tools screen.

You can access menu screen by pressing 工具 (TOOLS) while watching TV in "Live TV" apps.

21 **(prime video):** Display the prime video screen.

22 **(COCORO VISION):** Display the COCORO VISION screen.

23 **(NETFLIX):** Display the NETFLIX screen.

If you press the **NETFLIX** button when the TV is turned off, the TV turns on and the NETFLIX screen is displayed.

24 **(Dashboard):** Access the settings (direct or through the dashboard in Google TV) from any place in the system.

25 **(Live Guide):** Open Live TV EPG.

26 頻道 ∧ / ∨ (CH ∧ / ∨)**:** Select the channel.

- Use the Type A remote control for all operations.
- The Remote Control Unit illustration in this operation manual is for explanation purpose and may vary slightly from the actual remote control unit depending on the selected region.
- Google Assistant is not available in certain languages and countries. Availability of services varies by country and language.

1 / **(**電源**) (POWER):** Switch the TV power on or enter standby.

2 0-9: Set the channel.

3 **(**聲音**) (AUDIO):** Selects the audio mode during multichannel audio broadcasts.

4 ◀◀ **/** ▶ **/** ▶▶ **/** ◀◀ **/** ❚❚ **/** ▶▶❙ **/** ■**:** Operate media contents on TV and VOD (Video On Demand) service playback.

5 輸入 (INPUT)**:** Select an input source.

6 **(YouTube):** Display the YouTube screen.

7 ⋮⋮⋮ **(Apps):** Open all Apps launcher.

HOME screen

Connect to 🏠 **(HOME)** for apps, games, movies and more.

Example

① ② ③ ④

NOTE

- The on-screen displays in this manual are for explanation purposes and may vary slightly from the actual display.
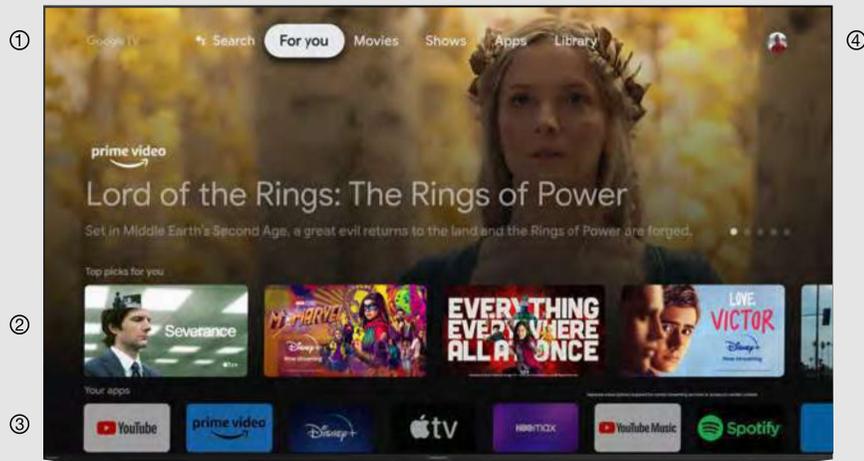
① Google TV™ selections (Search / For you / Movies / Shows / Apps / Library).

② The contents of the programmes that user is watching or watched are displayed here.

③ Among the applications installed on the TV, the icons for the favourite applications are shown inside here. (Favourite applications can be added / deleted / changes its order by users.)

④ User Google Account.

Auto installation

When the TV is powered 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 You have to follow the procedure shown to pair the remote control unit with the TV.
3 Setting the OSD language.
Press ∧ / ∨ to select the desired language, and then press **ENTER/OK**.
4 Setting the region or country.
Press ∧ / ∨ to select your region or country, and then press **ENTER/OK**.

NOTE
- Digital broadcasting (DTV) cannot be viewed in the area where digital broadcasting is not yet launched. (TV tuner models only)
- DTV concerned menu may not displayed in some region.
5 Press ∧ / ∨ to select "Set up Google TV" or "Set up basic TV".
- If select "Set up Google TV", the screen will jump to step **6**.
- If select "Set up basic TV", after select your Wi-Fi network, the screen will jump to step **8**.
6 Press ∧ / ∨ to select your Wi-Fi network.
7 Press ∧ / ∨ to sign into your Google Account.
8 Press ∧ / ∨ to select "Accept", "Terms of Service", "Play Terms of Service" and "Privacy Policy".
9 Select "Accept" to confirm your selection of these Google services settings.
- For "Set up basic TV", after select "Accept", the screen will jump to step **13**.
10 Select "Continue" for Google Assistant settings.

11 Select "Allow" or "No thanks" for search across all your TV apps.
12 Select "Confirm" to choose your subscriptions.
13 Select "OK" for Energy Saving Tips.
14 Select "Accept" for Network Privacy Policy.
15 Press ∧ / ∨ to select "Agree to Terms of Use and Continue", "View SHARP Terms Of Use" or "View SHARP Privacy Policy".
16 Please set a password.
17 Select TV mode.
Press ∧ / ∨ to select where you will use this TV, and then press **ENTER/OK**.
Home:
- "Home" mode is optimized for efficient energy usage for home use.
- If you plan to use this TV at home, please select "Home".
Retail:
- "Retail" mode is optimized for store demo with fixed settings.
- "Retail" mode is for store demo only and setting are not saved. Please select "Retail" to proceed.

NOTE
- Retail: A demonstration image will be displayed after initial auto installation is completed. If you have chosen "Retail" by mistake, go to "⚙ (Dashboard)" > "Settings" > "System" > "Store Mode" > "Continue" > "Off".
18 Press ∧ / ∨ to select "Off" or "On" to enable Chromecast built-in™.
19 Press ∧ / ∨ to select "Only digital channels", "Only analogue channels", "Digital and analogue channels" or "Skip Scan" to start channel scan. (TV tuner models only)
20 The description of Nexflix screen will appear.
- Select "Next" to finish Netflix setup procedure.
- Select "Setup Network" if Wi-Fi network is not connected.
21 Press **ENTER/OK** to start exploring your Google TV .

Software Updates

To search for new software updates via Over-The-Air

Press "⚙ **(Dashboard)**".

Select "Settings" > "System" > "About" > "System update".

NOTE

- Make sure your TV is connected to the internet when performing software updates via OTA.
- After finished downloading, please allow some time to apply the installed updates.
- During installation, please do not perform any operations, including power off or unplug your TV.
- Software updates performance is depending on internet connection.

OAD (TV tuner models only)

Press " TOOLS **(TOOLS)**".

Select "TV options" > "Advanced Options" > "OAD".

- This function is for automatically download the data for the version update software over digital broadcasts when the "Auto Download" is set to "On".
- To download, follow the instructions when the download message appears during a digital broadcast.
- Once the software upgrade is done, the TV will automatically go to standby state with Red LED.

CAUTION

- **Do not disconnect the AC cord when the software upgrade is in progress, as this may cause the upgrade to fail. If problem arises ask a qualified service personnel before the software upgrade period expires.**

Software License

Press " TOOLS **(TOOLS)**".

Select "TV options" > "Advanced Options" > "Open Source Licenses".

You can read the software licenses in the on-screen display menu.

Software composition
The software included in this product is comprised of various software components whose individual copyrights are held by SHARP or by third parties.

Software Version

Press "⚙ **(Dashboard)**".

Select "Settings" > "System" > "About" > "Software Version".

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

How to tune the Analog Broadcast channels

Press " TOOLS (TOOLS)".
   Select "TV options" > "Settings" > "Channels & Inputs" > "Channels" >
   "Analog".

You can tune Analog broadcast channels manually.
Select from the following available settings.
   Channel Scan / Update Scan / Analog Manual Scan

How to tune the Digital Broadcast channels

Press " TOOLS (TOOLS)".
   Select "TV options" > "Settings" > "Channels & Inputs" > "Channels" >
   "Antenna".

In areas where DTV can be viewed, you can tune Digital broadcast channels
manually.
Select from the following available settings.
   Channel Scan / Update Scan / Single RF Scan / Manual Service Update /
   LCN / Channel Scan Type / Channel Store Type

When you view DTV, select Antenna input from the input menu.

Channel Management

Press " TOOLS (TOOLS)".
   Select "Channels" > "Channel Management".

Use this menu to set up a channel individually.
Select from the following available settings.
   Channel Skip / Channel Swap / Channel Move / Channel Edit /
   Channel Delete / Clear Channel List

Auto Channel Update (Antenna input only)

Press " TOOLS (TOOLS)".
   Select "TV options" > "Settings" > "Channels & Inputs" > "Channels" >
   "Auto Channel Update".

Select from the following available settings.
   On / Off

Channel Update Message (Antenna input only)

Press " TOOLS (TOOLS)".
   Select "TV options" > "Settings" > "Channels & Inputs" > "Channels" >
   "Channel Update Message".

Select from the following available settings.
   On / Off

How to enable Subtitle

Subtitle

Press " TOOLS (TOOLS)".
   Select "TV options" > "Advanced Options" > "Subtitle".

You can display subtitles for the hearing impaired in the Teletext broadcast if
the subtitle languages are available.
   Analog Subtitle / Digital Subtitle / Subtitle Tracks / Digital Subtitle
   Language / 2nd Digital Subtitle Language / Subtitle Type

Teletext settings (Antenna input only)

Press " TOOLS (TOOLS)".
   Select "TV options" > "Advanced Options" > "Teletext".

If you set the language of the initial page (this page is displayed for the first
time after pressing 🗐) for teletext in Antenna input mode, it will start from
the selected language page.
Select from the following available settings.
   Digital Teletext Language / Decoding Page Language

NOTE

- This function is available for teletext in Antenna input mode. This is not
  available for teletext in ATV or external input mode.
- If the initial teletext page of the selected language in this function is not
  included in a received broadcast, the default initial page will be displayed.

Set the Audio Language (Antenna input only)

Press "TOOLS **(TOOLS)**".
  Select "TV options" > "Advanced Options" > "Audio" > "Audio Language".

You can set primary language.

Press "TOOLS **(TOOLS)**".
  Select "TV options" > "Advanced Options" > "Audio" > "2nd Audio Language".

You can set secondary language.

NOTE

- If there are multiple languages in the broadcast, it will be played in the order of the first language and the second language. If the language specified by these is not broadcast, it will be played in the first language of the broadcast.

Set the Sound Tracks (Antenna input only)

Press "TOOLS **(TOOLS)**".
  Select "TV options" > "Advanced Options" > "Audio" > "Sound Tracks".

You can choose from the multilanguages options based on your preferences.

NOTE

- Selectable item is depend on broadcast signal.

Set the Audio Type (Antenna input only)

Press "TOOLS **(TOOLS)**".
  Select "TV options" > "Advanced Options" > "Audio" > "Audio Type".

Select from the following available settings.
  Normal / Audio Description / Spoken Subtitle / Hearing Impaired / Audio Description and Spoken Subtitles

Set the Visually Impaired (Antenna input only)

Press "TOOLS **(TOOLS)**".
  Select "TV options" > "Advanced Options" > "Audio" > "Visually Impaired".

Activate the audio guide for the visually impaired.

NOTE

- Selectable item is depend on broadcast signal.

How to change Audio output

If multi sound are received, each time you press AD/MPX **(AD/MPX)** the mode switches.

When watching Digital broadcasting

You can select audio signal when watching a multi-language or stereo program.
- The sound mode screen disappears in six seconds.
- Selectable items vary depending on the received broadcasts.
- The audio description sound is selected depending on the main audio.

When watching Analog broadcasting

You can select audio signal when watching a multi-language or stereo program.

In the NICAM TV broadcasts

Stereo mode
Nicam Stereo ⟷ Mono

Bilingual mode
Nicam Dual1 ⟶ Nicam Dual2

Mono

Monaural mode
Nicam Mono ⟷ Mono

In the TV mode of A2 TV broadcasts

Stereo mode
Stereo ⟷ Mono

Bilingual mode
Dual1 ⟷ Dual2

Monaural mode
Mono

How to enable EPG (Antenna input only)

EPG

What is an 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 📺 **(Live Guide)** on the remote control, provided that the TV is receiving the digital broadcasting signal. The EPG enables you to search for a programme, do timer view the programme schedule in detail.

Basic Operation

Display the EPG screen

① Press 📺 **(Live Guide)**.

② Press ∧ / ∨ to select the desired programme.

③ Press < / > to display programme in the next time span.

Close the EPG screen

④ Press 📺 **(Live Guide)** again or ⬅ **(Back)** to exit.

NOTE

• EPG will be not displayed when DTV is not yet tuned after AC on.

Postal Code (Indonesia only)

Press " TOOLS **(TOOLS)**".
  Select "TV options" > "Advanced Options" > "Postal Code".

This function enable you to select your local postal code.

NOTE

• "Postal Code" will be appear only when region "Indonesia" is selected.

How to operate Parental Controls

Press " TOOLS **(TOOLS)**".
  Select "TV options" > "Parental Controls".

This function allows TV channels to be restricted. It prevents children from watching violent or sexual scenes that may be considered inappropriate.
If you have already set the password, enter it here.

  Channels Blocked
  You can block the viewing of any selected channel.

  Inputs Blocked
  You can block the viewing of any selected input.

  Change PIN
  You can set and change the Password by using **0-9**.

NOTE

- As a precautionary measure, make a note of your Password and keep it in a familiar place.
- PIN input is required when executing "Parental Controls" screen. The default PIN is "1234".

  Program Restrictions
  Used to enable or disable the parental control function. This function will not be selectable from the menu if you do not first configure your password.

Ratings

Singapore
  None: Cancel the blocking.
  G: Suitable for all ages.
  PG: Suitable for all but parents should guide their young.
  PG13: Suitable for persons aged 13 and above but parental guidance is advised for children below 13.
  NC16: Suitable for persons aged 16 and above.
  M18: Suitable for persons aged 18 and above.
  R21: Suitable for adults aged 21 and above.

Thailand
  None: Cancel the blocking.
  P: Suitable for children kid 3-6 years.
  C: Suitable for children kid 6-12 years.
  G: Suitable for general audience.
  PG13: Suitable for people aged 13 and above.
  PG18: Suitable for people aged 18 and above. And parental guidance for children under 18.
  R: Suitable for adult.

NOTE

- The rating selection may vary slightly different for regions other than Singapore and Thailand.

How to set your device name

Press "TOOLS **(TOOLS)**".
  Select "TV options" > "Settings" > "System" > "About" > "Device name".

Set the name of the TV displayed.
Use the software keyboard when you need to input text at device name setting.

System Information

Press "TOOLS **(TOOLS)**".
  Select "TV options" > "Advanced Options" > "System Information".

Check for system updates and view various information of signal.

Screen

Press "TOOLS **(TOOLS)**".
  Select "TV options" > "Screen".

This function changes the screen size.
The Screen menu varies depending on the input source.

For Standard-Definition signals

  Automatic: Keeps the original aspect ratio based on source information and enlarge the picture as much as possible.

  Full: For 16:9 squeeze pictures.

  Super zoom: Removes the black bars on the side of 4:3 broadcasts. There is minimal distortion.

  Unscaled: Detects the resolution of the signal and displays an image with the same number of pixels on the screen.

  4:3: Keeps the original aspect ratio in a full screen display.

  Movie expand 14:9: For 14:9 letterbox pictures. Bars may appear on the top and bottom with some programmes.

  Movie expand 16:9: For 16:9 letterbox pictures. Bars may appear on the top and bottom with some programmes.

NOTE

- Some items do not appear depending on the type of received signal.

Network and Internet setup

Connecting to the Internet
To configure the network settings in order to enjoy streaming content and internet applications.

NOTE

• When an Internet connection is made, LAN and wireless connection cannot be used at the same time. Use only one of the connection types.

Using Wi-Fi

This TV is equipped with a wireless LAN function.
For a wireless LAN connection, you must use wireless setup to connect the access point and TV.

Press " (Dashboard)".

Select "Settings" > "Network & Internet" > "Wi-Fi" to select a network you want to connect to and set the password.

NOTE

• Standby power consumption will be increase when Wow (Wake on wireless network) is turned ON.

Using LAN

Using a LAN cable (commercially available) to connect the LAN terminal on the TV to your broadband router (commercially available).

How to connect:

1 Switch on the router (commercially available).
Refer to the router's operation manual for switching on.

2 Connect the LAN terminal on the TV to the router (commercially available) with a LAN cable (commercially available).

3 Press " (Dashboard)".

Select "Settings" > "Network & Internet" > "Wake configs".

NOTE

• Standby power consumption will be increase when Wol (Wake on LAN) is turned ON.

Network and Internet setup (Continue)

NOTE

- This TV has a built-in wireless LAN function. Using a separate wireless USB LAN adapter may result in radio communications that do not comply with regulations on radio communications. Therefore, do not use a separate wireless LAN adapter.
- A wireless LAN connection and performance cannot be guaranteed for all residential environments. In the following cases, the wireless LAN signal may be poor or drop, or the connection speed may become slower.
  - When used in buildings made with concrete, reinforced steel, or metal
  - When placed near objects that obstruct the signal
  - When used with other wireless devices that emit the same frequency
  - When used in the vicinity of microwave ovens and other devices that emit a magnetic field, electrostatic charge, or electromagnetic interference
- When there is significant interference in the 2.4-GHz frequency (such as from other wireless LAN devices, Bluetooth® devices, 2.4-GHz cordless telephones, and microwave ovens), it is recommended that you use a wireless LAN router/access point that supports IEEE802.11ac (5 GHz) and set the access point to transmit at 5 GHz. For setup details, see the operation manual of your access point.
- Operations cannot be guaranteed when used with access points that do not have Wi-Fi® certification.
- A wireless LAN router/access point is required to connect the TV to the Internet using a wireless LAN. See the operation manual of your access point for setup.
- If your access point is set to a stealth mode (that prevents detection by other devices), you may not be able to establish a connection. In this case, disable the stealth mode on the access point.
- A stable connection speed is required to play back streaming content. Use LAN connection if the wireless LAN speed is unstable.

- Before transferring to a third party or disposal, be sure to initialise the wireless LAN settings.
- Please follow the legislation in your region when using the wireless LAN outdoors.
- If you have failed to connect to the Internet in the above operation, then an error message will appear. In this case, press ⚙ **(Dashboard)** to exit from the connected TV feature to make changes to the network settings.
- If you still cannot connect to the Internet, please consult your Internet service provider or telephone company.
- You cannot configure the settings from "⚙ **(Dashboard)**" > "Settings" > "Network & Internet" while using an application. If you must configure your "Network" settings, press the ⚙ **(Dashboard)** key to exit the function.

Network and Internet setup (Continue)

NOTE

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- 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.
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Chromecast-enabled devices

With Chromecast built-in, your phone becomes your remote. Simply tap the Cast button from apps you already know and love to stream entertainment from your phone, tablet or laptop to the TV.

NOTE

- When the TV is turned off or the connection is ended on the device, you must connect the device again.
- For details about the operation of Chromecast-enabled devices, check the manual for that device.

Audio Devices

HDMI Input

eARC (Enhanced Audio Return Channel)
Press " TOOLS **(TOOLS)**".
  Select "TV options" > "Sound" > "eARC".

You can select to listen to the TV sound only from the LINK-compatible audio system.
  Auto / Off

Inputs
Press " TOOLS **(TOOLS)**".
  Select "TV options" > "Settings" > "Channels & Inputs" > "Inputs".

Change the label for an input terminal, and switch between HDMI CEC Control Settings.

NOTE

- Height speakers are activated with Dolby technology. Sound output depends on audio signal of the source. Basically, height speakers are enjoyed Dolby Atmos contents in Dolby Atmos mode.

Audio Output

Digital Output
Press " ✪ **(Dashboard)**".
  Select "Settings" > "Display & Sound" > "Audio Output" > "Digital Output".

This function allows you to select the digital audio signal type.
  Auto / Bypass / PCM / Dolby Audio-Dolby Digital Plus / Dolby Audio-Dolby Digital

Digital Output Delay
Press " ✪ **(Dashboard)**".
  Select "Settings" > "Display & Sound" > "Audio Output" > "Digital Output Delay".

You can delay the output of audio to minimize the time gap between audio output and a visual display.

Selected item	⟨ button	⟩ button
Digital Output Delay	For later delay	For advance delay

Blue Mute
Press " TOOLS **(TOOLS)**".
  Select "TV options" > "Advanced Options" > "Blue Mute".

The TV screen will turn blue if no signal detected.
  On / Off

Bluetooth setup

This feature enable a TV to connect with other Bluetooth devices via Bluetooth connection.

NOTE

- When you use the Bluetooth device with your TV for the first time, you must make pairing between the device and the TV. Once the pairing is correctly carried out, the Bluetooth device will be registered on the TV.
- Connectivity and reception range may depend on condition, environment, and distance of Bluetooth devices.
- Sound quality and compatibility are depending on Bluetooth devices.
- The Bluetooth Profile only supports HID, A2DP and AVRCP.

Bluetooth devices

You can add, delete or select Bluetooth devices.

Connection/Selection Procedure

1 Turn the Bluetooth device on and put it in pairing mode.
To put your Bluetooth device in pairing mode, refer to the operation manual of the device.

2 Press " ⚙ **(Dashboard)**".

Select "Settings" > "Remotes & Accessories" > "Pair accessory" to put the TV in pairing mode.
A list of available Bluetooth device will be displayed.

3 Select the desired device from the list, then follow the on screen display instruction.
If you are prompted to enter a password, refer to the operation manual of the device.
After pairing is completed, the device connects to the TV.

NOTE

- To pair the remote control unit with the TV, please hold 🏠 **(HOME)** and ‹ button for 10 seconds. Wait for about 1 minute before pairing.

NOTE

- When there is significant interference in the 2.4-GHz frequency (such as from other wireless LAN devices, Bluetooth® devices, 2.4-GHz cordless telephones, and microwave ovens), to prevent mutual interference, please turn off the power off unused devices.

USB setup

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

NOTE

- Depending on the USB memory device, the TV may not be able to recognise the recorded data.
- It may take time to read the recorded data if the USB memory device contains many files or folders.
- Use only alphanumeric characters for naming files.
- File names (may vary depending on character set) may not be displayed.

Connecting a USB Memory Device

Insert the USB memory device with recorded photos, music or videos into the USB terminal on the TV.

- Use the specified external power supply for devices that can be externally powered.
- Do not remove a USB memory device from the TV while transferring files, using the slide show function, or switching screens, or before you exit "MultiMediaPlayer".
- Do not insert and remove a USB memory device to and from the TV repeatedly.
- When using a card reader, be sure to insert a USB memory device first.

CAUTION

- **Do not use a USB extension cable when connecting a USB memory device to the USB terminal on the TV.**
- **Using a USB extension cable with the USB memory device may prevent the TV from performing correctly.**
- **Operation using USB hubs is not guaranteed.**

Selecting the Folders to Play Back

- To play back data on a USB memory device insert the USB memory device on the TV.
1 Press " 🏠 **(HOME)**" > "Your apps" > "MultiMediaPlayer" to open the Playback screen.
2 Press $<$ / $>$ to select "**VIDEO**", "**PHOTO**", "**MUSIC**" or "**TEXT**", and then press **ENTER/OK**.
3 Press $\wedge$ / $\vee$ (or $<$ / $>$) to select the drive/server where you want to find your file, and then press **ENTER/OK**. (Only can select if more than one USB input.)
4 Press $<$ / $>$ to select the desired folder, and then press **ENTER/OK**.

NOTE

- USB only support device up to DC5V 500mA.
- USB only support device up to DC5V 0.5A Max (Taiwan only).

USB setup (Continue)

USB Device Compatibility

USB device	USB Memory, USB card reader (Mass Storage class)
File system	FAT/FAT32

Photo file format

Format	JPEG, PNG, BMP

NOTE

• Progressive jpeg format files are not supported.

Music file format

Format	Sampling rate [KHz]	Bitrate [Kbps]
MP3	8/11.025/12/16/ 22.050/24/32/44.1/48	8~320
AAC	32/44.1/48	8~320
WMA	8/11.025/16/22.05/ 32/44.1/48/64/88.2/96	8~384
WAV	8/11.025/12/16/ 22.050/24/32/44.1/48	8~1024

NOTE

• If the TV is turned off and then on again, the number assigned to the USB may change.

Video file format

Container	Video	Music
AVI	MPEG-1 MPEG-2 MPEG-4 H.264 AV1	PCM MP2: MPEG-1 Layer2 MP3: MPEG-1 Layer3 AAC AC3 WMA
MKV	MPEG-1 MPEG-2 MPEG-4 H.264 VP8 H.265(HEVC) AV1	PCM MP2: MPEG-1 Layer2 MP3: MPEG-1 Layer3 AAC AC3 WMA VORBIS
ASF	MPEG-4 VC1(WMV3) AV1	MP3: MPEG-1 Layer3 WMA
PS	MPEG-1 MPEG-2 AV1	MP2: MPEG-1 Layer2 MP3: MPEG-1 Layer3 AC3
TS	MPEG-2 VC1(WMV3) H.264 H.265(HEVC) AV1	MP2: MPEG-1 Layer2 AAC AC3
MP4	MPEG-4 H.264 H.265(HEVC) VP8 VC1(WMV3) AV1	MP2: MPEG-1 Layer2 MP3: MPEG-1 Layer3 AAC

NOTE

• USB 1.1 devices may not be played properly.
• Some video file formats may not be played depending on the file.
• Some images may not be displayed in the appropriate aspect ratio depending on the file format.
• File extensions are not used to determine the file format.
• Vertical video files are not supported.
• Portrait format cannot display. Only support landscape format.

USB setup (Continue)

Playing Back Files on a USB Memory Device

Photo Mode/Music Mode/Video Mode

Buttons for thumbnail/list operations

Buttons	Description
∧ / ∨ / < / >	Select a desired item.
ENTER/OK	When selecting a folder icon: Enter this directory. When selecting a photo file: Enlarge the photo. When selecting an audio file: Play audio. When selecting a video file: Play the video file.
← (Back)	Return to the previous process.
B (Blue)	Change Thumbnail/List mode.
TOOLS (TOOLS)	Display the Menu screen.

> **NOTE**
> • When you are viewing the MultiMediaPlayer app in Music Mode, you cannot configure Picture/Audio settings.

Menu for thumbnail operations
Press ∧ / ∨ to select an item and make settings to your preferences.

Example

Sort
Media Type
Thumbnail Size
Recursive Parser
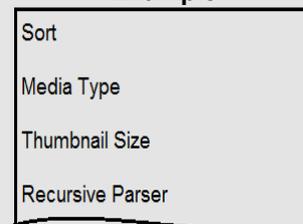
Sort
- You can change the way in which files are ordered.
- Press ∧ / ∨ to select "Type", "Date" or "Name" and then press **ENTER/OK**.

Media Type
- Switch the media type when the Recursive parser display is displayed.

Thumbnail Size
- Change the thumbnail size.
  Small/Medium/Large

Recursive Parser
- Display all files according to the Media type settings.

Photo Frame
- You can add frame to your photo.

> **NOTE**
> • You can see the file name, file size and pixel size of the selected photo in the upper-left corner of the screen.

USB setup (Continue)

Playing Back Files on a USB Memory Device (Continue)

Photo Mode

Slide Show
The photos displayed on the thumbnail selection screen are displayed as a slide show.

Buttons for slide show operation

Buttons	Description
▶	Play the Slide Show.
❚❚	Pause the Slide Show.
∧/∨/ ≮/ >, ENTER/OK	Select the desired item.
← (Back)	Return to the thumbnail selection screen.
TOOLS (TOOLS)	Display the USB Menu screen.

Menu for slide show

Example

Play
Repeat
Shuffle On
Duration
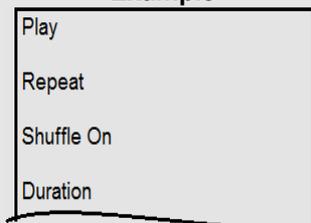
Play/Pause
Start or pause slideshow.

Repeat
Set whether to show the slide show repeatedly.
   None/Repeat One/Repeat All

Shuffle On/Shuffle Off
Shuffle the image files within the folder and display as a slide show.

Duration
Specify the length of time before the next image appears.
Press ∧ / ∨ to select the desired length of the time, and then press **ENTER/OK**.
   Short/Medium/Long

Effect
Specify the effect for transitioning to the next image.
   None/Dissolve/Wipe Right/Wipe Left/Wipe Up/Wipe Down/Box In/
   Box Out/Random

Rotate*
Rotate the photo by 90 degrees to the right.
* Only displayed when playback is paused.

Zoom*
Zoom in on the image.
   1 X/2 X/4 X
* Only displayed when playback is paused.

Show Info
Display the photo information.

Photo Frame Image
Display the photo in frame.

Picture Settings

> **NOTE**
>
> - The slide show continues until you press ← (Back).
> - For setting the slide show speed, select "Duration" on the Menu screen.
> - Depending on the contents, the TV system cannot display the picture at its original resolution in some cases. TV system may adjust the picture resolution accordingly.

USB setup (Continue)

Playing Back Files on a USB Memory Device (Continue)

Music Mode

Playing Mode

Buttons for playing mode

Buttons	Description
◀◀	The fast reverse speed changes every time you press ◀◀.
▶▶	The fast forward speed changes every time you press ▶▶.
❚❚	Pause the music.
◀◀❚	Go to the previous file.
❚▶▶	Go to the next file.
∧ / ∨ / < / >, ENTER/OK	Select a desired item.
(Back)	Return to the previous process.
TOOLS (TOOLS)	Display the Menu screen.

NOTE

- The displayed play time may differ slightly from the actual play time depending on the files.

Menu for playing mode

Example

Play
Repeat
Shuffle On
Show Info

Play/Pause
Start or pause music.

Repeat
Configure the repeat playback settings.
  None/Repeat One/Repeat All

Shuffle On/Shuffle Off
Shuffle the music within the folder.

Show Info
Display audio information.

Hide Spectrum/Show Spectrum
Show or hide the spectrum.

Lyric Options
You can change the lyric display type.
This is only available when a lyrics file (".lrc") is presented.
Only UTF-8 character code lyric files (without BOM) are supported.

Picture Off

Sound Settings

Audio Output

USB setup (Continue)

Playing Back Files on a USB Memory Device (Continue)

#### Video Mode

Playing Mode

Buttons for playing mode

Buttons	Description
◄◄	The fast reverse speed changes every time you press ◄◄.
►	Play the video.
►►	The fast forward speed changes every time you press ►►.
❚❚	Pause the video.
❙◄◄	Go to the previous file.
■	Stop the video.
►►❙	Go to the next file.
∧ / ∨ / < / >, ENTER/OK	Select a desired item.
← (Back)	Return to the previous process.
TOOLS (TOOLS)	Display the Menu screen.

NOTE

- The displayed play time may differ slightly from the actual play time depending on the files.

Menu for playing mode

Example

Play
Repeat
Show Info
Screen Mode
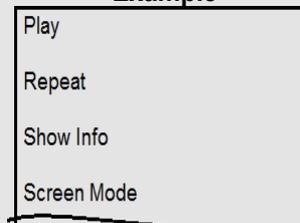
Play/Pause
Start or pause the video.

Repeat
Configure the repeat playback settings.
None/Repeat One/Repeat All

Show Info
Display the video information.

Screen Mode
This function changes the screen size.
Full Screen/4:3/16:9/Auto

Picture Settings
See pages 5-1 to 5-3.

Sound Settings
See pages 6-1 to 6-2.

Audio Output
See page 3-4.

Sound Tracks
Display soundtracks info.

Last Memory
Press ∧ / ∨ to select "Off" or "Time", and then press **ENTER/OK**.

Seek
Jump to the specific scenes.

Google Assistant

Talk to Google to control your TV using your voice.
- Press the **Google Assistant** button on your remote to do more on your TV with your voice.

NOTE

- Google Assistant is not available in certain languages and countries. Availability of services varies by country and language. Find out more at https://support.google.com/assistant

Google Account setting

Accounts & sign-in
Press " (Dashboard)".
  Select "Settings" > "Accounts & sign-in".

To sign in, enter your email address and password.
You can also sign in another account and kids account.

Location
Press " (Dashboard)".
  Select "Settings" > "Privacy" > "Location".

Configure the location settings.

Usage & diagnostics
Press " (Dashboard)".
  Select "Settings" > "Privacy" > "Usage & diagnostics".

Automatically send diagnostic information to Google, like crash reports and usage data from your device, apps, and Chromecast built-in. You can adjust these permissions at any time from device settings. Learn more at g.co/tv/diagnostics.

Security & Restrictions
Press " (Dashboard)".
  Select "Settings" > "Privacy" > "Security & Restrictions".

Unknown sources.
Allow installation of apps from sources other than the Play Store.

Unique feature from SHARP

Azan - Prayer time (Malaysia & Indonesia only)

Press " ⋮⋮⋮ **(Apps)**".
  Select "Your apps" > "Azan" app.

This feature could help a Muslim user to stay on top of Prayers with Azan by getting the accurate prayer times via notification. By configuring location and time zone, all five times prayer will be calculated according to the pointed calculation method.

  Auto Setup: This function allows you to select the address configuration through pre-set data. (Country, Province, City)

  Manual Setup: You can insert manually all informations in the screen.

  Prayer Time Selection: You can select or deselect between 5 prayers for Azan notification.

  Notification: You can select or deselect prayer time to notify and enable or disable prayer alert.

  Info: A quick reference for you to get info on five times prayer after setup completed.

  Demo: A demonstration video will be displayed when Azan is implemented.

NOTE

- The notification will be displayed on the screen for 5 minutes. After 5 minutes, the notification screen will be off automatically.
- The notification is based on the setting in Prayer time selection.
- Press ⬅ **(Back)** to off the notification screen immediately.
- The TV and Azan time information prior to internet connection.
- The TV time information from digital TV signal will be used if internet connection is not available.
- Deviation of the TV and Azan display time may occur due to improper digital broadcast standard.

SHARP SELECT

Press " ⋮⋮⋮ **(Apps)**".
  Select "Your apps" > "SHARP SELECT" app.

This app shows recommended apps that can be enjoyed with AQUOS.

SHARP COCORO ALBUM (TV tuner models only)

Press " ⋮⋮⋮ **(Apps)**" or " 🖼 **(SHARP COCORO ALBUM)**".
  Select "Your apps" > "SHARP COCORO ALBUM" app.

You can import your photo to display, view and manage on SHARP COCORO ALBUM.
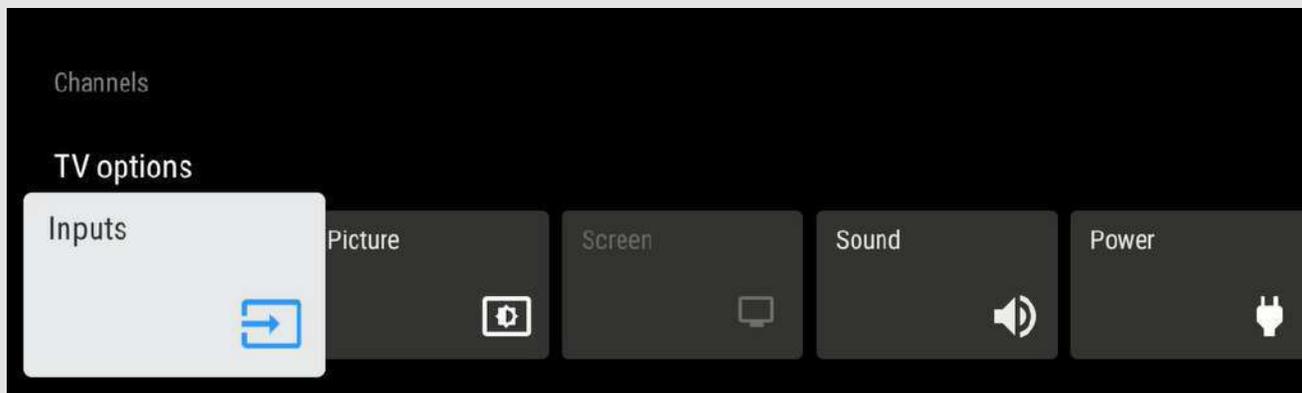
SHARP COCORO VISION (Taiwan only)

Press " ⋮⋮⋮ **(Apps)**" or " 💖 **(SHARP COCORO VISION)**".
  Select "Your apps" > "SHARP COCORO VISION" app.

This apps provides free entertainment, life information and application platform to makes life more comfortable.

Tools screen setting

Tools menu screen

1 Press TOOLS **(TOOLS)** to display the TOOLS screen.

2 Press $<$ / $>$ to select the desired menu.
- Channels - Program Guide, Channel, Channel Management
- TV options - Inputs, Picture, Screen, Sound, Power, Parental Controls, Manual OAD Download, Advanced Options, Settings

3 Press TOOLS **(TOOLS)** to exit.

Picture Mode (Changing Pic. Quality)

Press " TOOLS **(TOOLS)**".
  Select "TV options" > "Picture" > "Picture Mode".

Picture Mode gives you several viewing option to choose from to best match the surrounding environment of the TV, which can vary due to factors like room brightness, type of programme watched or the type of device connected.

  Comfort: Reduce the blue light of the TV.

  Standard: Default picture settings for common users.

  Dynamic: For a clear-cut image emphasising high contrast.

  Sport: Useful for sports viewing.

  Movie: Dim down the colour for long hour viewing.

  Game: Lower latency for fast gaming illustration.

  Eco: Reduce the backlight brightness to save power consumption.

NOTE

- You can set the Picture Mode on each input individually. These settings will be automatically saved on each input for convenience.
- When playing Dolby Vision content, the "Picture Mode" selection will be displayed "Dolby Vision IQ", "Dolby Vision Dark" and "Dolby Vision Vivid".

Configuring Picture settings

Press " TOOLS **(TOOLS)**".
  Select "TV options" > "Picture".

Adjusts the picture to your preference with the following picture settings.

Selected item	$<$ button	$>$ button
Backlight	The screen dims	The screen brightens
Brightness	For less brightness	For more brightness
Contrast	For less contrast	For more contrast
Saturation	For less colour saturation	For more colour saturation
HUE	Light orange become reddish	Light orange become greenish
Sharpness	For less sharpness	For more sharpness

NOTE

- For resetting all Picture settings items to the factory preset values, press $\wedge$ / $\vee$ to select "Reset to Default", press **ENTER/OK**, press $\wedge$ / $\vee$ to select "OK", and then press **ENTER/OK**.

Auto Brightness
Automatically adjust the brightness of the screen.
  Off / On

Configure advanced Picture settings

Press " TOOLS **(TOOLS)**".
Select "TV options" > "Picture" > "Advanced Settings".

Gamma
Adjusts the differences of picture tones between bright parts and dark parts.
Dark / Middle / Bright

Color Temperature
For a better white balance, use colour temperature correction.
User
Cool: White with bluish tone
Standard: ↕
Warm: White with reddish tone
Red/Green/Blue Gain: Adjusts the white balance by changing the value of each item

Color Tuner
Colour tone is managed using the six-colour adjustment setting.
Enable / HUE / Saturation / Brightness / Offset / Gain

NOTE
- A lower value makes the image darker.

HDR related settings

Press " TOOLS **(TOOLS)**".
Select "TV options" > "Picture" > "Advanced Settings".

HDR (High Dynamic Range)
The HDR (High Dynamic Range) technology implements video image that is very similar to the image shown through human eyes by finely adjusting the contrast of the source.

On: Enable HDR effect for HDR source.

Off: Disable HDR effect for HDR source.

NOTE
- This feature only available when input signal is playing HDR content.

Unique Picture setting from SHARP

Press " TOOLS **(TOOLS)**".
Select "TV options" > "Picture" > "Advanced Settings".

DNR
Reduces noise on screen and produces a clearer video image.
Off / Low / Medium / Strong / Auto

MPEG NR
This feature improves the quality of pictures by reducing the block noise and mosquito noise without compromising the picture resolution.
Off / Low / Medium / Strong

Adaptive Luma Control
Automatically adjusts the image contrast according to the scene.
Off / Low / Medium / Strong

Local Contrast Control
Automatically adjusts the brightness of image contrast according to the scene.
Off / Low / Medium / High

Game Mode
Lowers image brightness for easier viewing.
Turning on Game Mode will disable these non-essential processing effects to cut down on unnecessary lag. The end result is a picture that might look a little less polished or refined because the TV isn't doing anything fancy to it but will almost certainly feel significantly more responsive.
Off / On

Color Space
Color Space refers to the range of colour of image or video content that the SHARP TV can support.
Auto / Off / sRGB/BT.709 / Adobe RGB / BT.2020 / DCI

Dolby Vision Notification
You can turn off or on Dolby Vision Notification on the screen.
Off / On

Blue Stretch
This feature can make picture colour temperature more bluish.
Off / On

Unique Picture setting from SHARP (Continue)

Press "TOOLS **(TOOLS)**".
  Select "TV options" > "Picture" > "Advanced Settings".

Local Dimming
This feature can balances the backlight on the TV to make scene look darker or lighter.
  Off / Low / Middle / High

10-bit Colour Reproduction
This feature reduce contour of picture image.
  Off / Low / Middle / High

Motion Enhancement
Use Motion Enhancement to view fast-action video more clearly.
  Effect / Demo Partition / Demo

Low Blue Light
Adjust the differences of blue light colour of the TV.
  Off / Low / Middle / High

*Automatic Playback Optimization
To optimize image quality based on content type when Dolby Vision content changes.
  Off / On

*Dolby Vision PQ Calibration
Select from the following available settings.
  View Mode: The "View Mode" is updated based on "End User Calibration".
  End User Calibration: You can set picture quality based on your preferences.
  Last Modified Time: The last date of setting was modified.

*Light sense
Automatically adjust brightness based upon the changing ambient lighting conditions.
  Off / On

11-Point White Balance Correction
Adjust white balance to your preference.
  Enable / Gain / Red / Green / Blue

AISR (AI Super Resolution)
When input a signal other than 4K, outline of picture can be emphasized according to your preference.
  Off / Low / Middle / High

* NOTE

  This feature only available when input signal is playing Dolby Vision content.

Input settings

PC Mode

Press "TOOLS **(TOOLS)**".
  Select "TV options" > "Picture" > "Advanced Settings" > "PC Mode".

Adjusts the picture when a PC is connected to the TV via HDMI.
  Off / On

ALLM (Auto Low Latency Mode)

Press "TOOLS **(TOOLS)**".
  Select "TV options" > "Picture" > "Advanced Settings" > "ALLM".

To use "ALLM", you need to set the "HDMI EDID Version" to be "EDID 2.1".
Auto Low Latency Mode enables the ideal latency setting to automatically be set allowing for smooth, lag-free and uninterrupted viewing and interactivity.
  Off / On

HDMI RGB Range

Press "TOOLS **(TOOLS)**".
  Select "TV options" > "Picture" > "Advanced Settings" > "HDMI RGB Range".

Sets the HDMI type for HDMI IN 1, 2, 3 and 4 terminals.
This feature provides picture colour quality of HDMI input signal.
  Auto / Full / Limit

HDMI EDID Version

Press "TOOLS **(TOOLS)**".
  Select "TV options" > "Settings" > "Channels & Input" > "Inputs" > "Consumer Electronics Control (CEC)" > "HDMI EDID Version".

When you use device that supports Variable Refresh Rate (VRR) such as game console, you need to set each HDMI input to be "EDID 2.1".
  EDID 1.4 / EDID 2.0 / Auto EDID / EDID 2.1

Sound Style

Press " TOOLS **(TOOLS)**".
 Select "TV options" > "Sound" > "Sound Style".

This function allows you to convert the audio quality. Select from the following available settings.

User: Customise the sound setting.
Standard: Optimise sound quality for general content.
Vivid: Enhances the treble and bass for a clearer sound.
Sports: Simulates the larger space of a stadium or other venue.
Movie: Optimise surround sound suitable for movie.
Music: Optimise sound for listening to music.
News: Makes voice clearer by lowering background sound.

Configuring Sound settings

Press " TOOLS **(TOOLS)**".
 Select "TV options" > "Sound".

You can adjust the sound quality to your preference with the followings settings.

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

NOTE

- For resetting all Sound settings items to the factory preset values, press ∧ / ∨ to select "Reset to Default", press **ENTER/OK**, press ∧ / ∨ to select "OK", and then press **ENTER/OK**.

Configure advanced Sound settings

Press " TOOLS **(TOOLS)**".
 Select "TV options" > "Sound".

Surround Sound
The surround function produces Surround effect from the speakers.
 Off / On

Equalizer Detail
This function allows you to change the sound quality.
 120Hz / 500Hz / 1.5KHz / 5.0KHz / 10.0KHz

Speakers
You can choose to listen TV sound from speaker system.
 On / Off

Speaker Delay
If you are hearing an audio delay across all sources or channels and you have a home theatre system or other speakers connected to your TV, you can access the Speaker Delay settings to increase the Speaker Delay.

Selected item	＜ button	＞ button
Speaker Delay	For later delay	For advance delay

Dolby Audio/Height Speaker
Select from the following available settings.
 Dolby Audio/Height Speaker / Sound Mode / Volume Leveler / Surround Virtualizer / Dolby Atmos

NOTE

- When "Dolby Audio/Height Speaker" is "Off", you can select "Sound Style", "Balance", "Bass", "Treble", "Surround Sound" and "Equalizer Detail".
- When "Sound Mode" in "Dolby Audio/Height Speaker" is set to "User", you can turn on or off "Volume Leveler", "Surround Virtualizer" and "Dolby Atmos".

Dialog Enhancer
This function emphasises speech against background noise for greater clarity.
 Off / Low / Medium / High

Unique Sound setting from SHARP

Press " TOOLS (TOOLS)".
  Select "TV options" > "Sound".

Auto Volume Control
Different sound sources sometimes do not have the same loudness level,
such as a programme and its commercial breaks. The Auto Volume reduces
this problem by equalising it.
  Off / On

Downmix Mode
You can select the multi-channel downmix method that is compatible with
your stereo system.
  Stereo / Surround

Sleep Timer

Press " TOOLS **(TOOLS)**".

Select "TV options" > "Power" > "Sleep Timer".

Allows you to set a time when the TV automatically switches to standby.

Picture Off

Press " TOOLS **(TOOLS)**".

Select "TV options" > "Power" > "Picture Off".

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

Switch Off Timer

Press " TOOLS **(TOOLS)**".

Select "TV options" > "Power" > "Switch Off Timer".

Allows you to set a time to shut off the TV automatically.

Auto Sleep

Press " TOOLS **(TOOLS)**".

Select "TV options" > "Power" > "Auto Sleep" > "4 hours" to continue watching TV.

NOTE

• The default setting for "Auto Sleep" is "4 hours".

Accessibility

Press " ⚙ **(Dashboard)**".

Select "Settings" > "System" > "Accessibility".

Configure Captions, High contrast text, Text to speech and Accessibility shortcut. Some of the Caption settings may not be applied.

Language

Press " ⚙ **(Dashboard)**".

Select "Settings" > "System" > "Language".

You can select a language.

Storage

Press " ⚙ **(Dashboard)**".

Select "Settings" > "System" > "Storage".

View the memory usage status.

Energy saver

Press " ⚙ **(Dashboard)**".

Select "Settings" > "System" > "Power & Energy" > "Energy saver".

Set to turn off display screen to reduce the power consumption.

Restart

Press " ⚙ **(Dashboard)**".

Select "Settings" > "System" > "Restart".

When your TV is not properly working, restart of the TV is required.

Factory reset

Press " ⚙ **(Dashboard)**".

Select "Settings" > "System" > "About" > "Reset" > "Factory reset".

When you perform a reset, the TV will be returned to the factory preset values, and the Google Accounts will also be removed.

NOTE

• Your purchased apps will remain.

Power on behavior

Press "⚙ **(Dashboard)**".

Select "Settings" > "System" > "Power & Energy" > "Power on behavior".

The default setting for "Power on behavior" is the Google TV home screen. You can change the TV startup behavior to "Last used input" if you prefer your TV to power on with the last watched TV channel.

Timer

Press "⚙ **(Dashboard)**".

Select "Settings" > "System" > "Power & Energy" > "Timer".

You can use this function to turn the TV on and off.

NOTE

- "Auto Power On Time" / "Auto Power Off Time" is not available when you set "Power On Time Type" / "Power Off Time Type" to "Off".

Automatic date & time

Press "⚙ **(Dashboard)**".

Select "Settings" > "System" > "Date & Time" > "Automatic date & time".

This function allows you to set Date & Time automatically.

Set date

Press "⚙ **(Dashboard)**".

Select "Settings" > "System" > "Date & Time" > "Set date".

This function allows you to set date manually.

NOTE

- "Set date" is not available when you set "Automatic date & time" to "Use network-provided time".

Set time

Press "⚙ **(Dashboard)**".

Select "Settings" > "System" > "Date & Time" > "Set time".

This function allows you to set time manually.

NOTE

- "Set time" is not available when you set "Automatic date & time" to "Use network-provided time".

Set time zone

Press "⚙ **(Dashboard)**".

Select "Settings" > "System" > "Date & Time" > "Set time zone".

This function enable you to select your local time zone.

Use 24-hour format

Press "⚙ **(Dashboard)**".

Select "Settings" > "System" > "Date & Time" > "Use 24-hour format".

You can select the time format (either "24HR" or "AM/PM") for the clock time.

Ambient mode

Press "⚙ **(Dashboard)**".

Select "Settings" > "System" > "Ambient mode".

This function allows you to display your Google Photos or curated images from other sources when the TV is idle.

Help & Feedback

Press "⚙ **(Dashboard)**".

Select "Settings" > "Help & Feedback".

You can help improve Google TV when you share your feedback and tell us about any problems you have.
Visit Google TV Help at g.co/tv/help.

Troubleshooting

Problem	Possible Solution
• No power.	• Check if you pressed ⬤ / ⏻ (POWER) on the remote control unit. • Is the AC cord disconnected? • Has the power been turned on?
• Unit cannot be operated.	• External influences such as lightning, static electricity, may cause improper operation. In this case, operate the unit after first turning off the power of the TV or unplugging the AC cord and replugging it in after 1 or 2 minutes.
• Remote control unit does not operate.	• Is the equipment to be operated by the remote control unit set correctly? • Are batteries inserted with polarity (+, -) aligned? • Are batteries worn out? (Replace with new batteries.) • Are you using it under strong or fluorescent lighting? • Is a fluorescent light illuminated near the remote control sensor?
• Picture is cut off/with sidebar screen.	• Are Screen adjustments such as picture size made correctly? Page 2-5
• Strange colour, light colour, or colour misalignment.	• Adjust the picture tone. Pages 5-1 to 5-3 • Is the room too bright? The picture may look dark in a room that is too bright.
• Power is suddenly turned off.	• Is the sleep timer set? Page 7-1 • Check the power control settings. Page 7-1 • The unit's internal temperature has increased. Remove any objects blocking vent or clean.
• The top of the TV is hot.	• Since the air warmed by the heat generated from the internal circuit passes through the upper part due to natural convection, the upper part becomes warm. However, it is not a defect and does not affect the TV's functionality.
• Power may turn on by itself.	• Is "Auto Power On Time" set to "On"? Please check the setting. Page 7-2

Problem	Possible Solution
• Even if you turn off, power lamp does not turn off.	• The power lamp does not go out even when the power is turned off. To turn the lamp off, you must unplug the power plug.
• No picture.	• Is the connection to the device correct? • If the PC image is not displayed, check the following: - When connecting a laptop PC to the TV, check that display output mode of the PC is set to external monitor. • If picture not displaying in HDMI input, please choose suitable "HDMI EDID Version". Page 5-3
• Picture quality of HD programmes is poor.	• To enjoy HD images from external equipment, you are required to set up HDMI connection. • If the programme content is not of HD quality, HD images cannot be displayed. Check that the programme you are viewing provides HD images. • The HD cable/satellite set-top box may need to be configured to output HD images via cable/satellite. • The cable/satellite broadcast may not support a signal resolution of 1080p.
• The TV sometimes makes a cracking sound.	• This is not a malfunction. This happens when the cabinet slightly expands and contracts according to change in temperature. This does not affect the TV's performance. 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.

NOTE

• If require any assistance with troubleshooting, please contact SHARP Customer Care.

Troubleshooting (Continue)

Problem	Possible Solution
• No sound.	• Is the connection to the device correct? • Is the volume too low? • Have you pressed ☒ (Mute) on the remote control unit? • Check the audio output of the connected external equipment. Is the volume too low or muted? • When external equipment is connected via an HDMI cable, you may need to configure the audio to be output through the HDMI cable. • When connecting a PC via an HDMI-certified cable, check the following: - Is the audio output of the PC configured correctly? Check the audio output settings and output audio format in Sound Properties on the PC. The audio formats compatible with this TV are PCM, Dolby Digital. With other formats, audio cannot be output.
• Chromecast built-in image/ audio cannot be output to the TV.	• Check if the smartphone/tablet is connected in the same Wi-Fi network.
• Software updates via Over-The-Air (OTA) is not successful.	• Make sure your internet connection is working. • If the TV is connected to Internet, but no connection available, please disconnect the internet from your TV and then reconnect again.
• Apps and services cannot be operated.	• Make sure your internet connection is working. • Depending on certain apps and services, you may not be able to connect those apps and services if the date and time is incorrect. Set the date and time correctly. Page 7-2

Troubleshooting - Error Message

The example of an error message displayed on a screen	Possible Solution
• No broadcast now. (TV tuner models only)	• Check the antenna cable. Check that the antenna is correctly setup. • Check the broadcast time in the programme guide.
• An incompatible audio signal has been received. Check the output device settings.	• This message is displayed when an audio format other than PCM, Dolby Digital is input. - Set the audio output format of connected external HDMI equipment to PCM, Dolby Digital. - Refer to the operation manual of the external equipment for setting details.

NOTE

• If require any assistance with troubleshooting, please contact SHARP Customer Care.
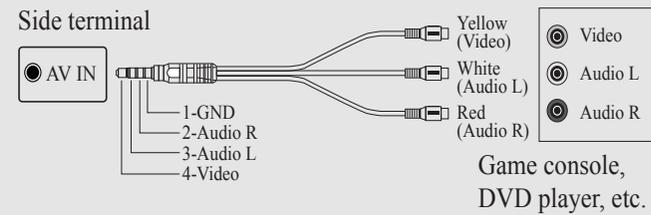
Trademarks

- Google TV is the name of this device's software experience and a trademark of Google LLC. Google, YouTube, Google Photos, Chromecast built-in and other marks are trademarks of Google LLC.

- Google Assistant is not available in certain languages and countries. Availability of services varies by country and language.

Connecting RCA jack

Instruction for using AV IN.
Requires RCA jack conversion.
Buy the service parts (QCNWGA252WJPZ).

Side terminal

AV IN

1-GND
2-Audio R
3-Audio L
4-Video

Yellow (Video)
White (Audio L)
Red (Audio R)

Video
Audio L
Audio R

Game console,
DVD player, etc.

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