AOC GAMING

USER MANUAL

Q27G4XY

AOC SMART GAMING MONITOR

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Version: A00

WWW.AOC.COM

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Safety

National Conventions

The following subsections describe national conventions used in this document.

Notes, Cautions, and Warnings

Throughout this guide, blocks of text may be accompanied by an icon and printed in bold type or in italic type. These blocks are notes, cautions, and warnings, and they are used as follows:

NOTE:
A NOTE indicates important information that helps you make better use of your computer system.

CAUTION:
A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

WARNING:
A WARNING indicates the potential for bodily harm and tells you how to avoid the problem.
Some warnings may appear in alternate formats and may be unaccompanied by an icon. In such cases, the specific presentation of the warning is mandated by regulatory authority.

This device complies with Part 15 of the FCC / ISED's licence-exempt RSSs Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Le présent appareil est conforme aux CNR d' ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

FCC/ISED/CE-RED Caution:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
Operations in the 5GHz products are restricted to indoor usage only.

Radiation Exposure Statement:

This equipment complies with FCC/ISED/CE-RED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

EU Declaration of Conformity / UK Declaration of Conformity

This device complies with the essential requirements of the Radio Equipment Directive (2014/53/EU) or Radio Equipment Regulations 2017(for UK). The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the Radio Equipment Directive

Radiation Exposure Statement:

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & body.

The frequency, mode and the maximum transmitted power are listed below:

– 2400-2483.5MHz: < 20 dBm (EIRP)
– 5150-5250MHz: < 23 dBm (EIRP)
– 5250-5350MHz: < 23 dBm (EIRP)
– 5470-5725MHz: < 30 dBm (EIRP)
– 5725-5875MHz: < 13.98 dBm (EIRP)

The device is restricted to indoor use only when operating in the 5150 to 5350MHz frequency range.

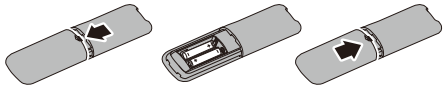
	AT	BE	BG	HR	CY	CZ	DK
	EE	FI	FR	DE	EL	HU	IE
	IT	LV	LT	LU	MT	NL	PL
	PT	RO	SK	SI	ES	SE	UK(NI)
	UK						

EU Battery Regulation

This symbol on the battery(ies) or on the packaging indicates that the battery(ies) provided with this product shall not be treated as household waste. Instead, please separate battery(ies) from other types of waste and recycle it(them) through your local recycling system to protect environment and health. The chemical symbol for lead (Pb) is added under this symbol if the battery(ies) contains more than 0.004 % lead. For more detailed information about recycling of this battery(ies), please contact your local authority or the shop where you purchased the product or battery(ies).

To install or replace batteries:

1. Press and then slide the cover to open it.
2. Align the batteries according to the (+) and (–) indications inside the battery compartment.
3. Replace the cover.



Note

The incorrect use of batteries can result in leaks or bursting. Be sure to follow these instructions:

- Place “AAA” batteries matching the (+) and (–) signs on each battery to the (+) and (–) signs of the battery compartment.
- Do not mix battery types.
- Do not combine new batteries with used ones. It causes shorter life or leakage of batteries.
- Remove the dead batteries immediately to prevent them from liquid leaking in the battery compartment. Don’t touch exposed battery acid, as it can damage your skin.
- If you do not intend to use the remote control for a long period, remove the batteries.

Power

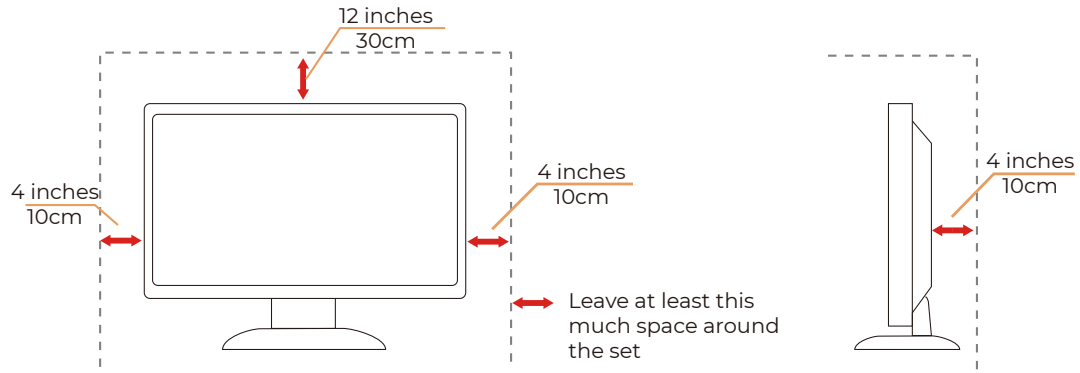
	The monitor should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
	The monitor is equipped with a three-pronged grounded plug, a plug with a third (grounding) pin. This plug will fit only into a grounded power outlet as a safety feature. If your outlet does not accommodate the three-wire plug, have an electrician install the correct outlet, or use an adapter to ground the appliance safely. Do not defeat the safety purpose of the grounded plug.
	Unplug the unit during a lightning storm or when it will not be used for long periods of time. This will protect the monitor from damage due to power surges.
	Do not overload power strips and extension cords. Overloading can result in fire or electric shock.
	To ensure satisfactory operation, use the monitor only with UL listed computers which have appropriate configured receptacles marked between 100-240V AC, Min. 5A.
	The wall socket shall be installed near the equipment and shall be easily accessible.

Installation

⚠	Do not place the monitor on an unstable cart, stand, tripod, bracket, or table. If the monitor falls, it can injure a person and cause serious damage to this product. Use only a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with this product. Follow the manufacturer's instructions when installing the product and use mounting accessories recommended by the manufacturer. A product and cart combination should be moved with care.
⚠	Never push any object into the slot on the monitor cabinet. It could damage circuit parts causing a fire or electric shock. Never spill liquids on the monitor.
⚠	Do not place the front of the product on the floor.
⚠	If you mount the monitor on a wall or shelf, use a mounting kit approved by the manufacturer and follow the kit instructions.
⚠	Leave some space around the monitor as shown below. Otherwise, air-circulation may be inadequate hence overheating may cause a fire or damage to the monitor.
⚠	To avoid potential damage, for example the panel peeling from the bezel, ensure that the monitor does not tilt downward by more than -5 degrees. If the -5 degree downward tilt angle maximum is exceeded, the monitor damage will not be covered under warranty.

See below the recommended ventilation areas around the monitor when the monitor is installed on the wall or on the stand:

Installed with stand



Cleaning

Clean the cabinet regularly with a water-dampened, soft cloth.

When cleaning use a soft cotton or microfiber cloth. The cloth should be damp and almost dry, do not allow liquid into the case.

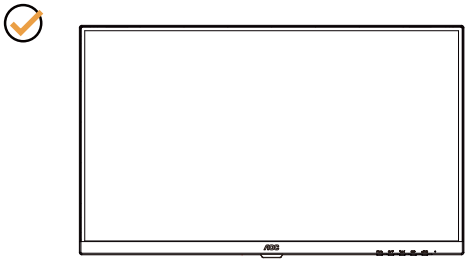
Please disconnect the power cord before cleaning the product.

Other

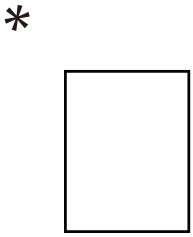
	If the product is emitting a strange smell, sound or smoke, disconnect the power plug IMMEDIATELY and contact a Service Center.
	Make sure that the ventilating openings are not blocked by a table or curtain.
	Do not engage the LCD monitor in severe vibration or high impact conditions during operation.
	Do not knock or drop the monitor during operation or transportation.
	The power cords shall be safety approved. For Germany, it shall be H03VV-F, 3G, 0.75 mm^2, or better. For other countries, the suitable types shall be used accordingly.
	Excessive sound pressure from earphones and headphones can cause hearing loss. Adjustment of the equalizer to maximum increases the earphones and headphones output voltage and therefore the sound pressure level.

Preparation

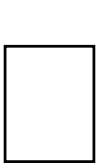
Contents in Box



Monitor



Quick Start Guide



Warranty Card

Stand

Base

Remote control

Batteries

Power Cable

HDMI Cable

DisplayPort Cable

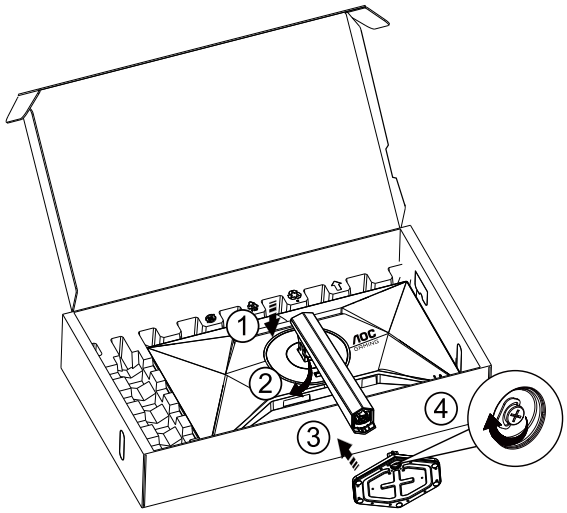
USB C-C/A Cable

* Not all accessories and signal cables will be provided for all countries and regions. Please check with the local dealer or AOC branch office for confirmation.

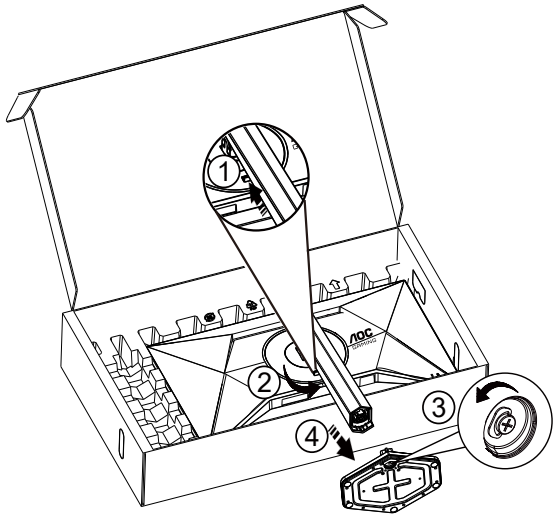
Set-up Stand & Base

Please setup or remove the base following the steps as below.

Setup:



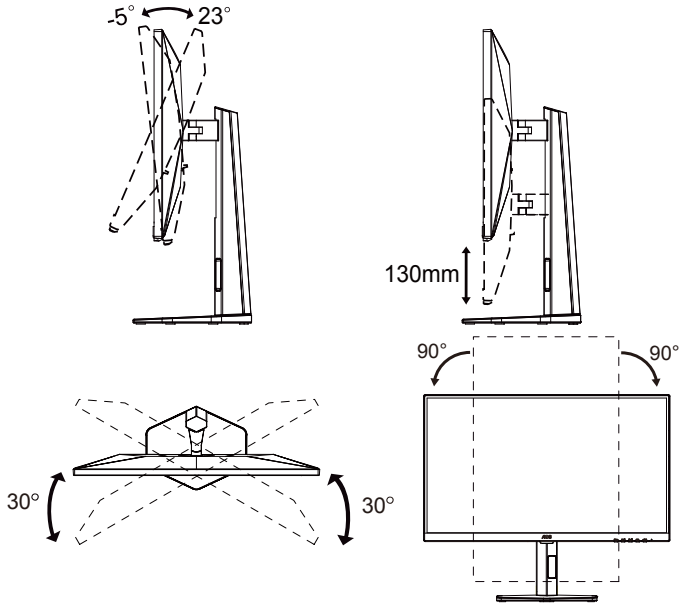
Remove:



NOTE:
Display design may differ from those illustrated.

Adjusting Viewing Angle

To achieve the best viewing experience, it is recommended that the user can make sure they are able to look at their whole face on the screen, then adjust the monitor's angle based on personal preference.
Hold the stand so you will not topple the monitor when you change the monitor's angle.
You are able to adjust the monitor as below:



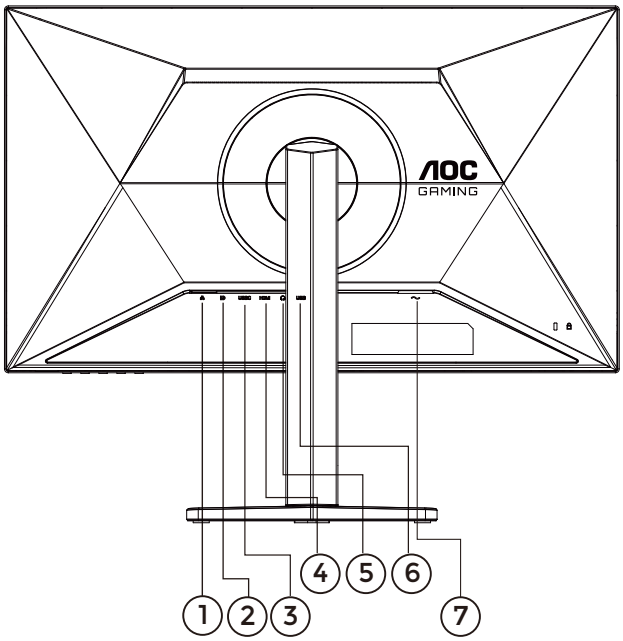
NOTE:
Do not touch the LCD screen when you change the angle. Touching the LCD screen may cause damage.

Warning

- To avoid potential screen damage, such as panel peeling, ensure that the monitor does not tilt downward by more than -5 degrees.
- Do not press the screen while adjusting the angle of the monitor. Grasp only the bezel.

Connecting the Monitor

Cable Connections In Back of Monitor and Computer:



1. RJ45 Port (10/100 Mbps)
2. DisplayPort
3. USBC (Type-C) Port (65W)
4. HDMI Port
5. Earphone Port
6. USB Port
7. Power Port

Connect to PC

1. Connect the power cord to the back of the display firmly.
2. Turn off your computer and unplug its power cable.
3. Connect the display signal cable to the video connector on the back of your computer.
4. Plug the power cord of your computer and your display into a nearby outlet.
5. Turn on your computer and display.

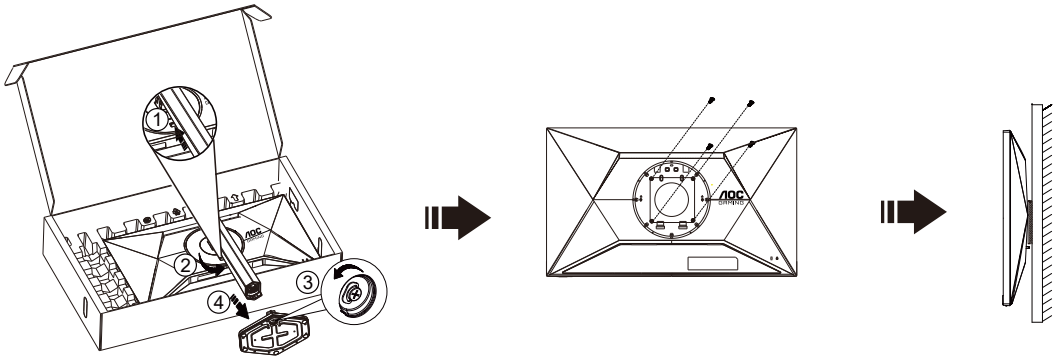
Note:

If your monitor displays an image, installation is complete. If it does not display an image, please refer to Troubleshoot.

To protect equipment, always turn off the PC and LCD monitor before connecting.

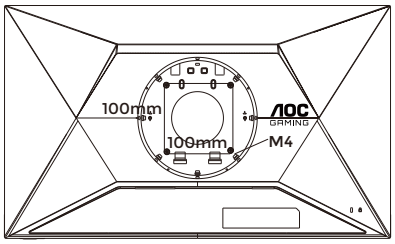
Wall Mounting

Preparing to Install An Optional Wall Mounting Arm.

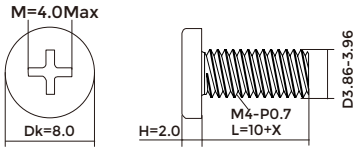


This monitor can be attached to a wall mounting arm you purchase separately. Disconnect power before this procedure. Follow these steps:

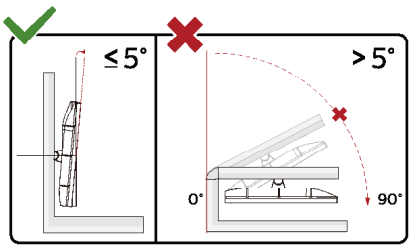
1. Remove the base.
2. Follow the manufacturer's instructions to assemble the wall mounting arm.
3. Place the wall mounting arm onto the back of the monitor. Line up the holes of the arm with the holes in the back of the monitor.
4. Insert the 4 screws into the holes and tighten.
5. Reconnect the cables. Refer to the user's manual that came with the optional wall mounting arm for instructions on attaching it to the wall.



Specification of wall hanger screws: M4*(10+X)mm (X=Thickness of Wall mount bracket)



NOTE:
VESA mounting screw holes are not available for all models, please check with the dealer or official department of AOC. Always contact manufacturer for wall-mount installation.



* Display design may differ from those illustrated.

Warning

1. To avoid potential screen damage, such as panel peeling, ensure that the monitor does not tilt downward by more than -5 degrees.
2. Do not press the screen while adjusting the angle of the monitor. Grasp only the bezel.

Adaptive-Sync function

1. Adaptive-Sync function is working with DisplayPort /HDMI
2. Compatible Graphics Card: Recommend list is as the below, also could be checked by visiting www.AMD.com

Graphics Cards

- Radeon™ RX Vega series
- Radeon™ RX 500 series
- Radeon™ RX 400 series
- Radeon™ R9/R7 300 series (R9 370/X, R7 370/X, R7 265 except)
- Radeon™ Pro Duo (2016)
- Radeon™ R9 Nano series
- Radeon™ R9 Fury series
- Radeon™ R9/R7 200 series (R9 270/X, R9 280/X except)

Processors

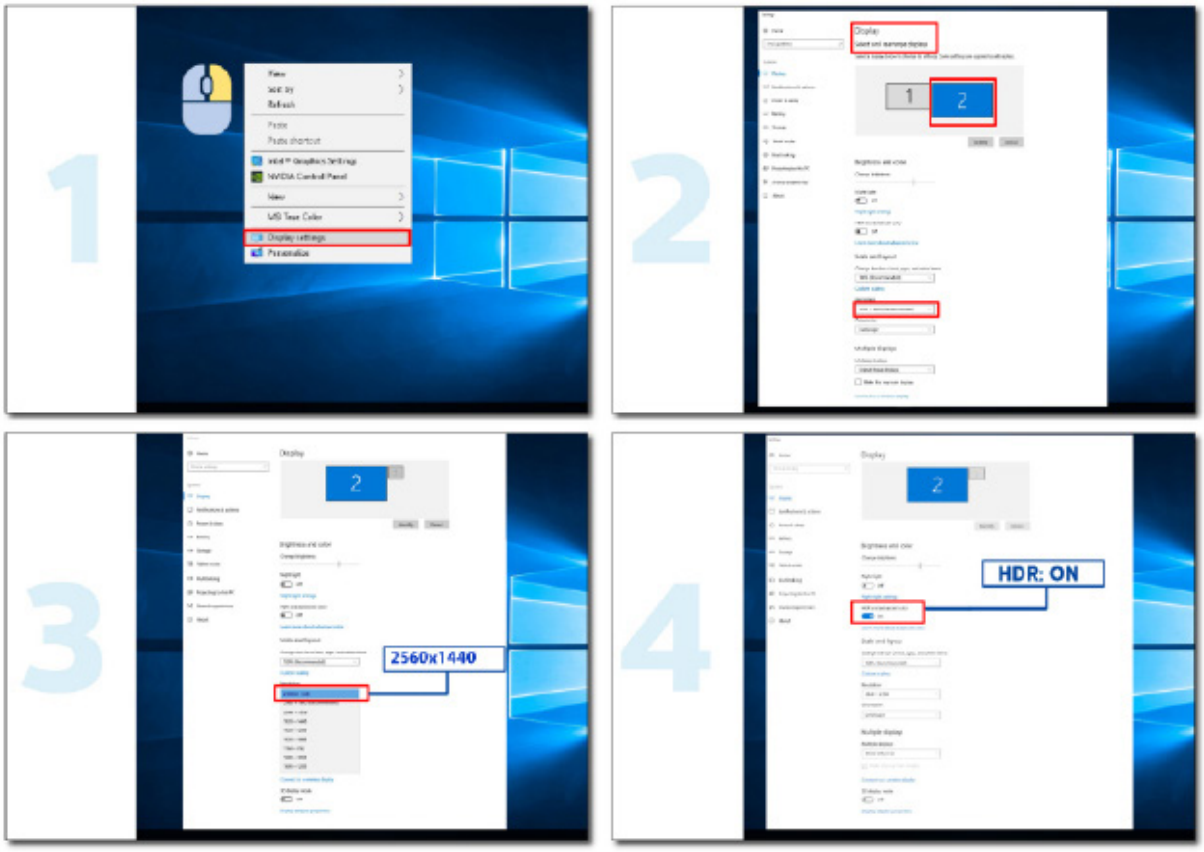
- AMD Ryzen™ 7 2700U
- AMD Ryzen™ 5 2500U
- AMD Ryzen™ 5 2400G
- AMD Ryzen™ 3 2300U
- AMD Ryzen™ 3 2200G
- AMD PRO A12-9800
- AMD PRO A12-9800E
- AMD PRO A10-9700
- AMD PRO A10-9700E
- AMD PRO A8-9600
- AMD PRO A6-9500
- AMD PRO A6-9500E
- AMD PRO A12-8870
- AMD PRO A12-8870E
- AMD PRO A10-8770
- AMD PRO A10-8770E
- AMD PRO A10-8750B
- AMD PRO A8-8650B
- AMD PRO A6-8570
- AMD PRO A6-8570E
- AMD PRO A4-8350B
- AMD A10-7890K
- AMD A10-7870K
- AMD A10-7850K
- AMD A10-7800
- AMD A10-7700K
- AMD A8-7670K
- AMD A8-7650K
- AMD A8-7600
- AMD A6-7400K

HDR

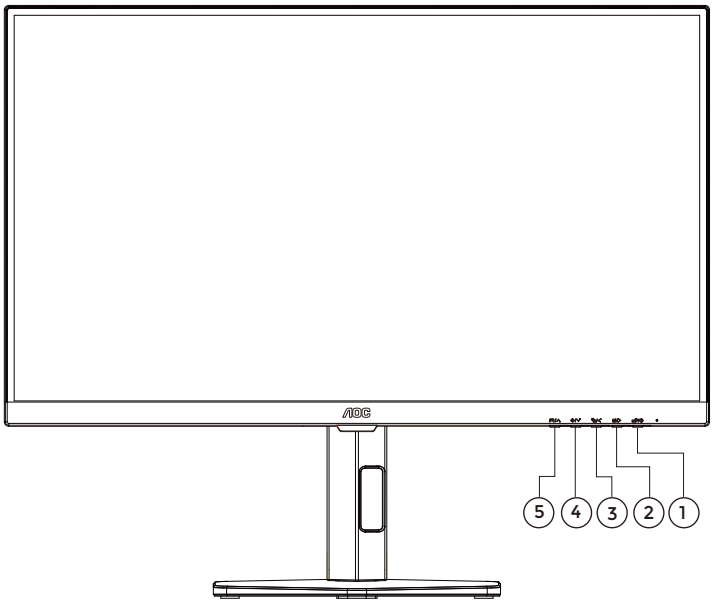
It is compatible with input signals in HDR10 format.
The display may automatically activate the HDR function if the player and content are compatible. Please contact the device manufacturer and the content provider for information on the compatibility of your device and content. Please select “OFF” for the HDR function when you have no need for automatical activation function.

Note:

1. No special setting is needed for the DisplayPort/HDMI interface in WIN10 versions lower (older) than V1703.
2. Only the HDMI interface is available and the DisplayPort interface cannot function in WIN10 version V1703.
3. 3840x2160 only suggest for Blu-ray Player, Xbox and PlayStation.
   a. The display resolution is set to 2560*1440, and HDR is preset to ON.
   b. After entering an application, the best HDR effect can be achieved when the resolution is changed to 2560*1440 (if available).



Control Buttons



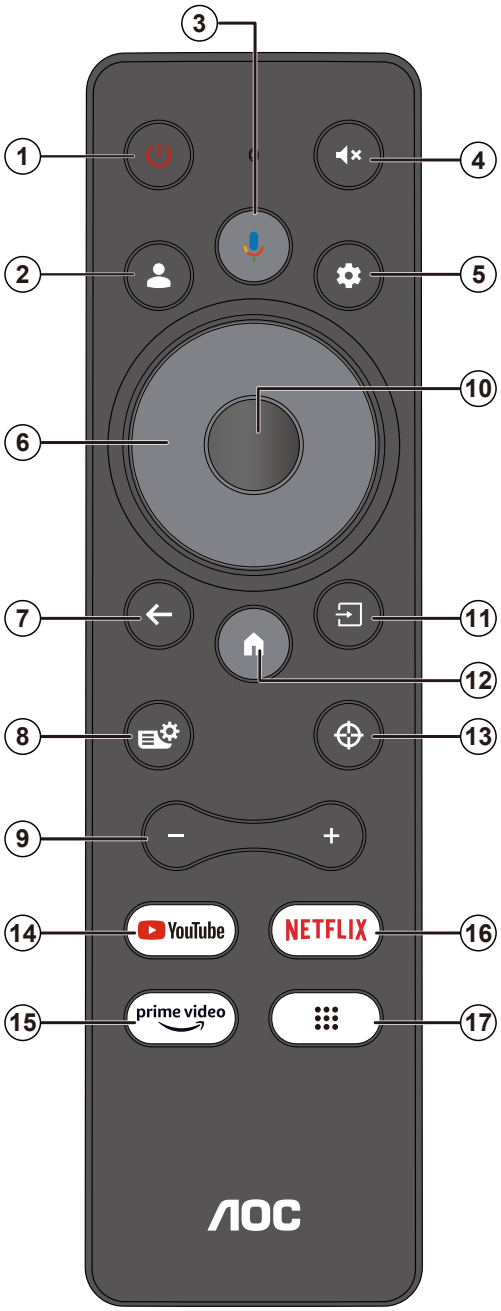
	Keypad	Function	**Source Input** (HDMI / DisplayPort / Type-C)
①	Power	Long press power	Long press power
		Short press to open the Shortcut menu	Short press to open the Shortcut menu
②	Right	Monitor menu	Break Reminder menu
③	Left	Display & Sound menu	Frame Rate
④	Down	Sound reduction	Dial Point
⑤	UP	Sound increase	Game Mode Select

1. **Power key**
   - On the homepage: long press to shut down, or short press to pop up Shortcut menu.
   - In HDMI / DisplayPort / Type-C: long press to shut down, or short press to pop up Shortcut menu.
   - Other Apps: long press to shut down.
2. **Right key**
   - On the homepage or other Apps: open the Monitor menu.
   - In HDMI / DisplayPort / Type-C: open Break Reminder menu. The function is a timed reminder, which will be reminded once every hour. You can use Up or Down in the keypad to open or close Break Reminder menu.
3. **Left key**
   - On the homepage or other Apps: open Display & Sound menu.
   - In HDMI / DisplayPort / Type-C: open Frame Rate menu. You can use Up or Down in the keypad to select the position for displaying frame rates.
4. **Down key**
   - On the homepage or other Apps: volume down.
   - In HDMI / DisplayPort / Type-C: open Dial Point. You can use Down in the keypad to open or close Dial Point.
5. **Up key**
   - On the homepage or other Apps: volume up.
   - In HDMI / DisplayPort / Type-C: open Game Mode. You can use Up or Down in the keypad to select Game mode.

LED Indicator

Status	LED Color
Full Power Mode	White
Active-off Mode	Orange

Remote Control



①		To switch the Monitor on or back to Standby. Long press for three seconds to turn off the Monitor.
②		To open Google Account page.
③		To start the Google Voice Search.
④		To mute or restore the sound.
⑤		To launch Dashboard on side of screen to access Settings.
⑥	Navigation	To navigate up, down, left or right.
⑦		To switch back to the previous page or menu.
⑧		To open Shortcut menu.
⑨	Volume − / +	To adjust the volume level up or down.
⑩	(OK)	To confirm a selection or setting.
⑪		To open or close the Sources menu.
⑫		To open the homepage.
⑬		To turns on or off the Dial Point.
⑭	YouTube	To launch the YouTube App.
⑮	prime video	To launch the Amazon prime video App.
⑯	NETFLIX	To launch the Netflix App.
⑰	Apps	To launch Your apps page.

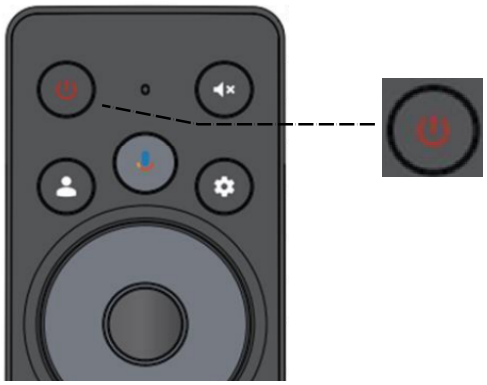
Initial Setup

Set-up the Monitor

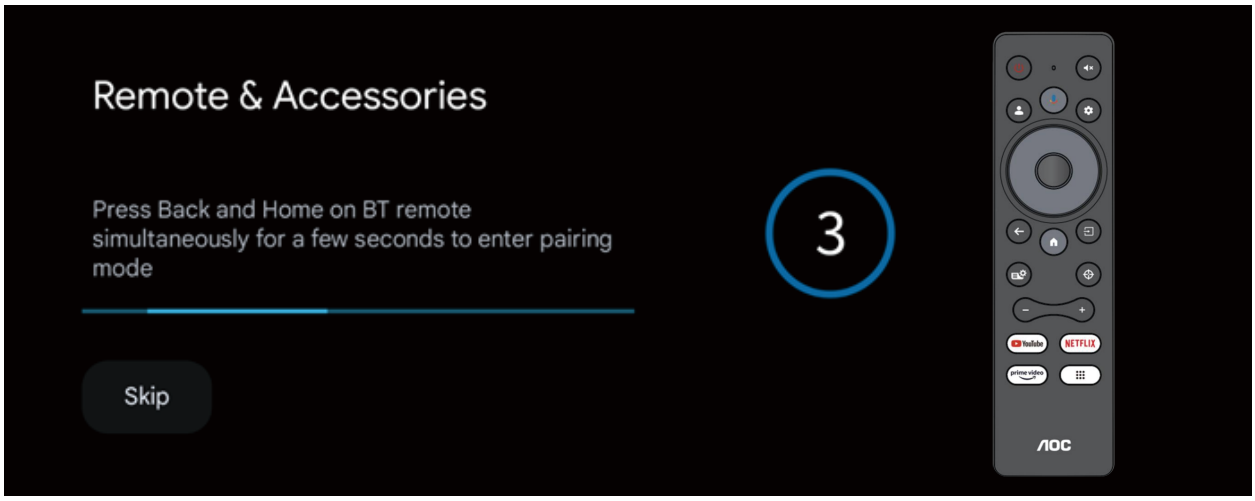
1. Press the Power button of the remote control.

   Note:

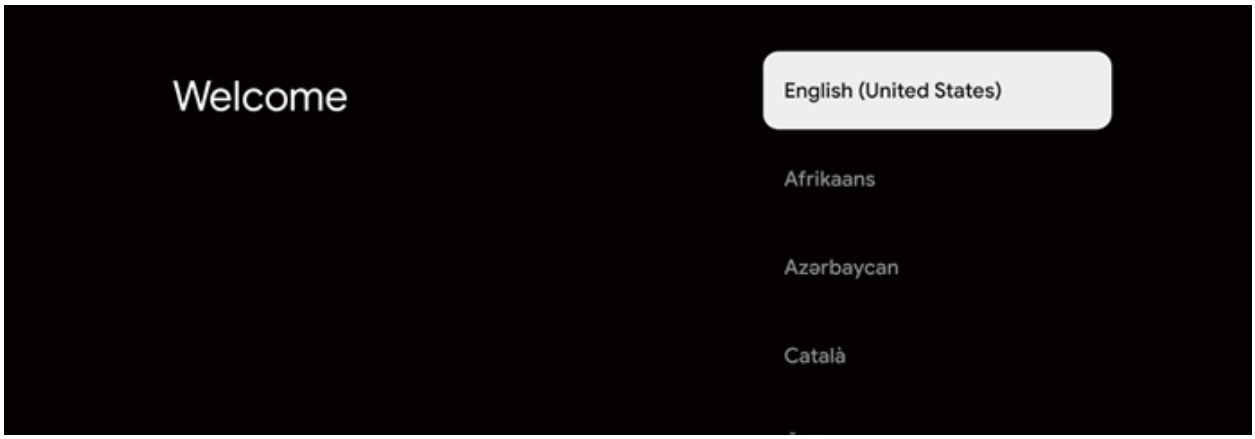
   The Monitor's control buttons are located at the bottom or on the side of the Monitor.



2. You will need to pair the Bluetooth remote control with the Monitor firstly. Follow the on-screen instructions for pairing.



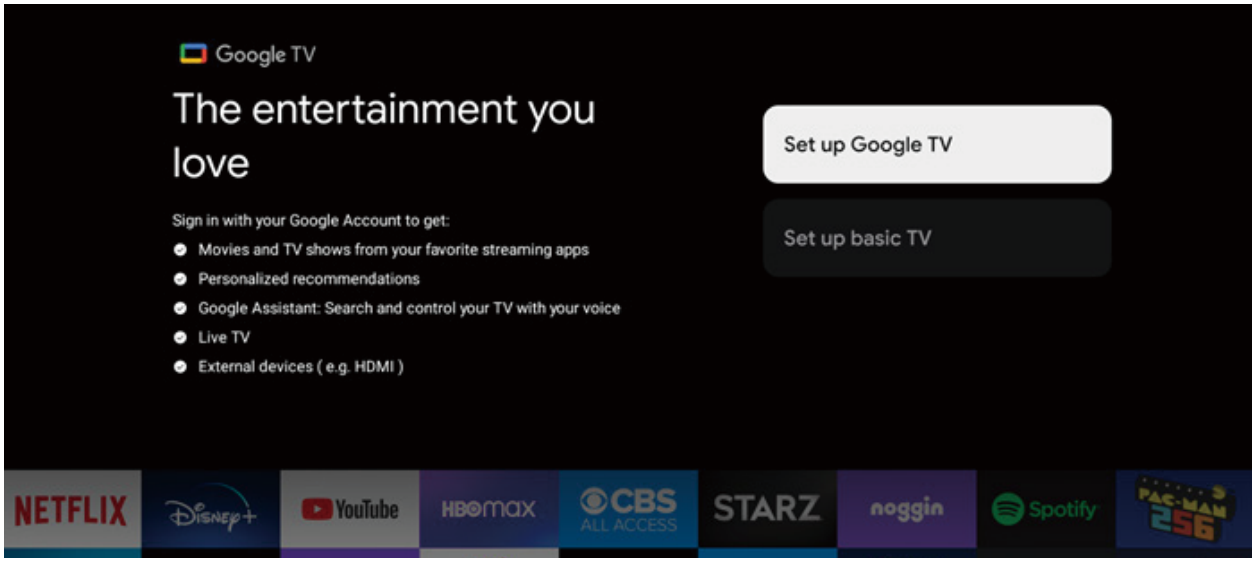
3. Select the system language and press **OK** to confirm.



4. Select **Set up Google TV** which need to sign in with your Google account for Google service, or select **Set up basic TV** which not need to sign in with Google account.

   Note:

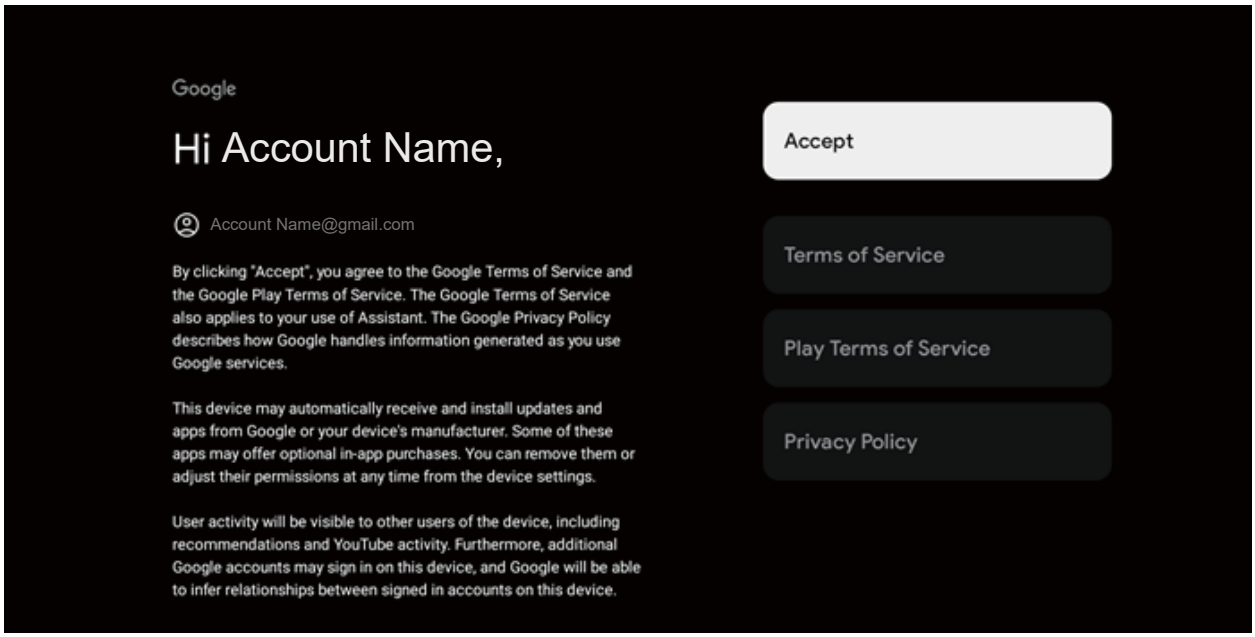
   Some features are not available in basic mode. With Google TV mode, you can have all basic mode features and more Google's personalised services. If you did not sign in during the first installation, you can always sign in later.

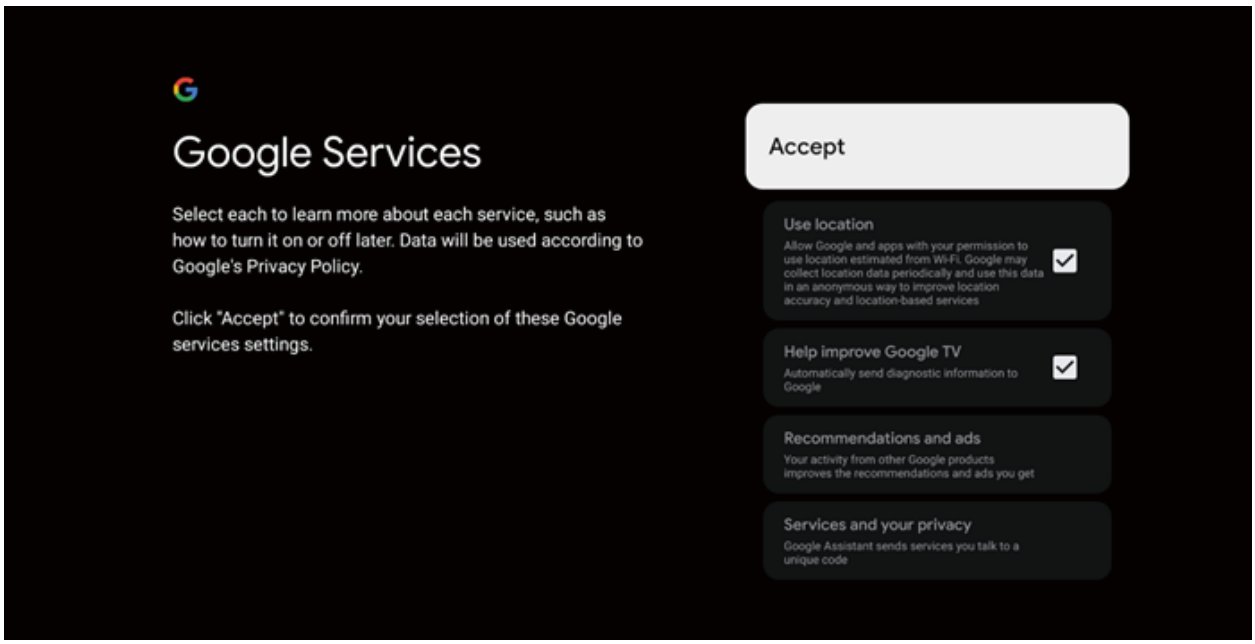


5. Scan **Setup code** to download **Google Home app** on your phone to set up or press ▲ / ▼ to set up on Monitor.

6. Select the Wi-Fi and press OK. Enter the password to confirm the connection.

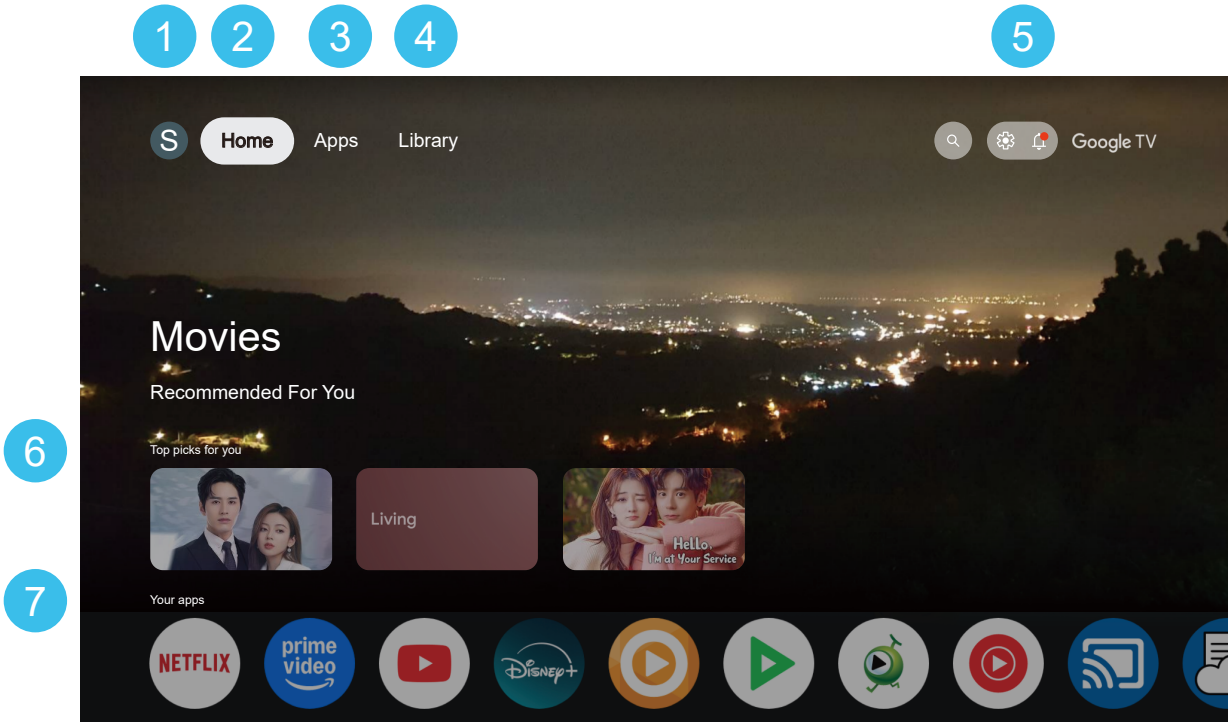
7. By accepting the Google Terms of Service to improve the product experience, select **Accept** to accept this condition.





8. Initial setup complete.

Home Screen

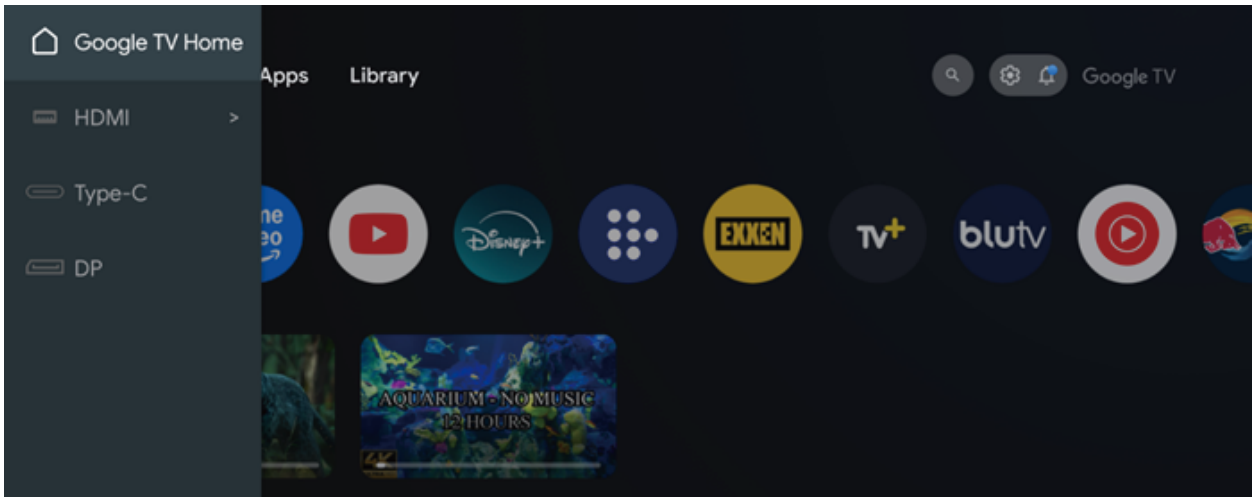


With multiple tabs, you can discover movies and shows from your Apps. Sign in with your Google Account to get more personalized recommandations.

①	**Search**	Press the **Google Assistant** button on your remote control to trigger Google search with voice or text input in Search tab.
②	**Home**	Main page for advertised TV shows, Live TV, Installed Apps, and top picks based on content recommendations tailored for you.
③	**Apps**	The Apps tab of Home screen contains all installed Apps that come with the Monitor and the Apps you have installed from **Google Play™ Store**. You can also install and add more Apps as favourite from the Apps tab.
④	**Library**	The **Library** section on **Google TV** system serves as a central hub for users to access and manage their content across multiple streaming services.
⑤	**Settings and Notification**	This provides access to Settings, device controls, notifications and more. · **Screensaver**: to activate screen saver. · **Inputs**: to launch the input source list for switching to any of the connected devices. · **Picture** / **Sound**: to access setting menus for **Picture** / **Sound**. · **Wi-Fi** / **Accessibility** / **Bluetooth**: quick link to adjust **Wi-Fi** / **Accessibility** / **Bluetooth** settings. · **Notifications**: to provide you the messages about the Google TV system; press **Clear all** to dismiss all notifications.
⑥	**Top picks for you**	Recommended contents from the Apps you have installed.
⑦	**Your apps**	Apps you have installed. At the end of this row, select the + box and add your App that you have downloaded and installed to the home screen.

Select Input Source

1. Press **Source** button to display the input source list.
2. Select the input source.
3. Press **OK** button to enter the input source.



Google Assistant

Google Assistant can help you complete many operations and functions on Google TV system, making your viewing and use experience more convenient.

Push to talk

On your remote control, press the Google Voice Search to start the voice search.

Control playback content

Search for content: You can say the show name to quickly find content.
Recommended videos: Ask “What are some family-friendly movies?” or “Play popular albums.”
Control playback: Say “Pause video,” “Resume playback,” or “Forward 10 minutes.”

Application control

Launch an application, such as “Open Netflix”, “Launch YouTube”.

Answer questions and provide information

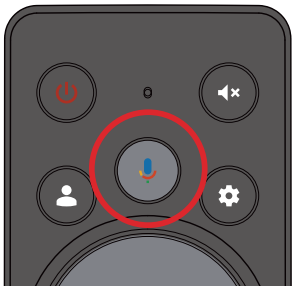
Provide information such as “What’s the weather like today?”, “What time is it now?” or “What time is it now in Paris?”.

Multimedia management

Play music: “Play Spotify”, “Play relaxing music”.
Open an album: “Show my Google Photos.”

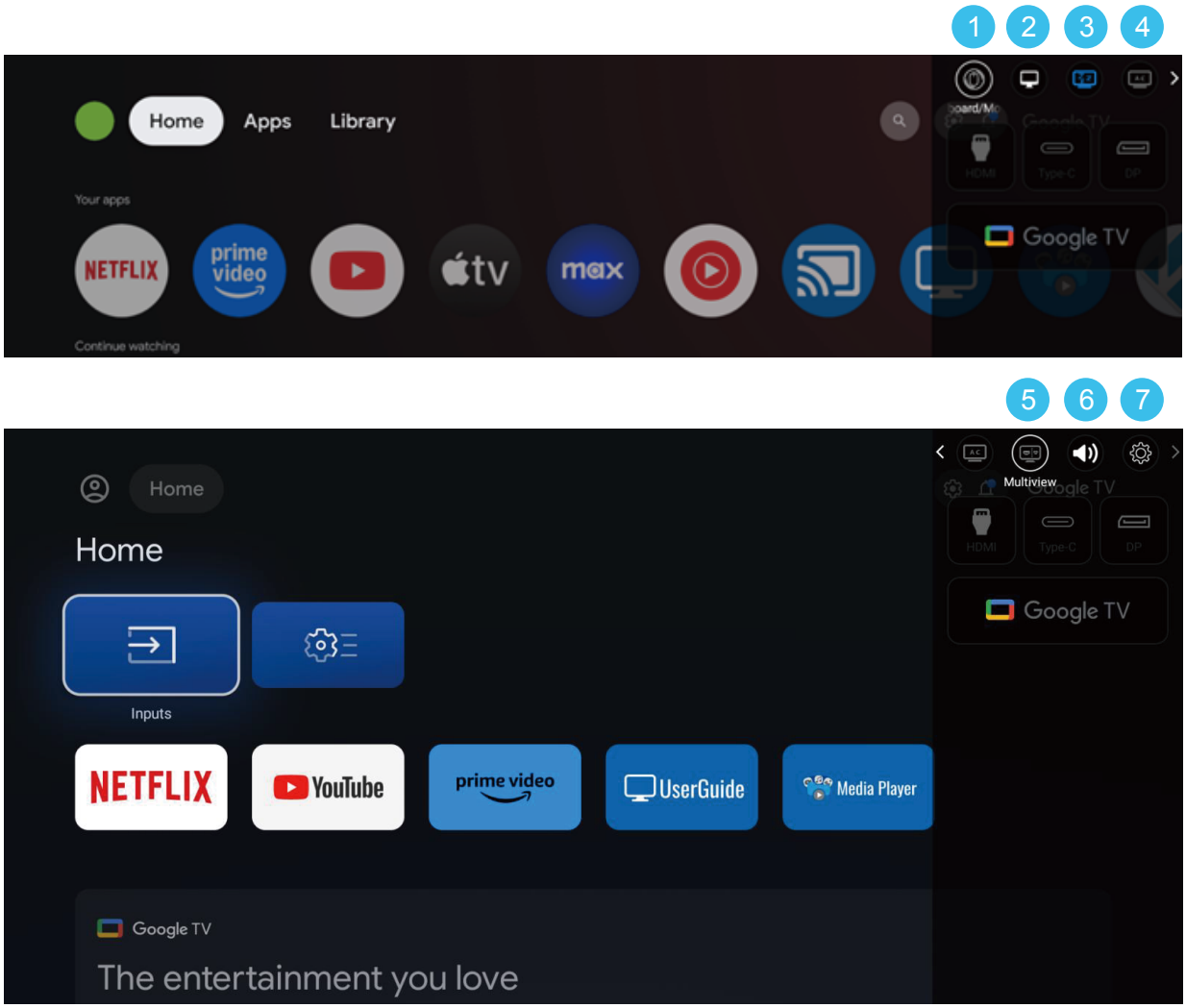
Voice settings and control

Adjust volume: “Add volume to 50%”, “Mute”.
Switch input source: “Switch to HDMI”.



Shortcut Menu

In the **Shortcut** menu, you will find a quick way to access Monitor functions or setting menus.
Press the Shortcut with the remote control.

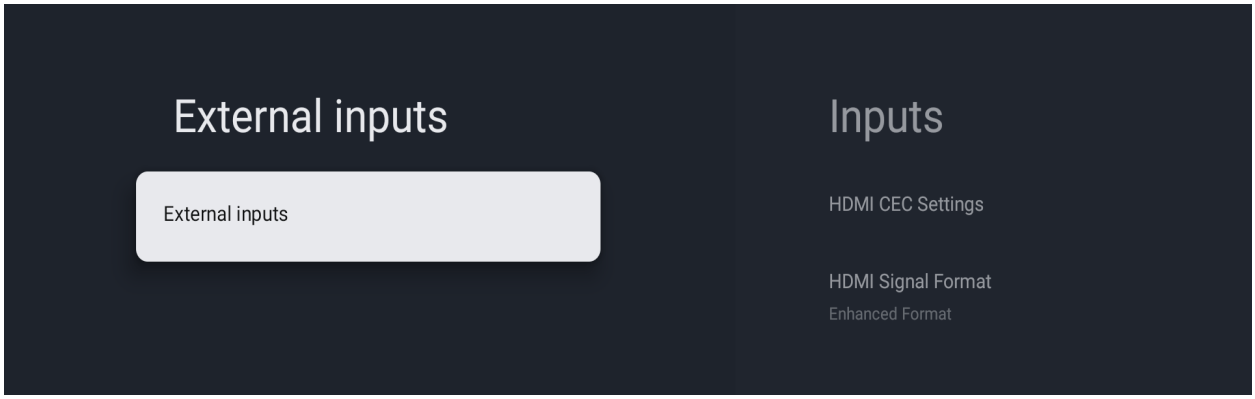


①	**Keyboard/ Mouse**	Settings for mouse and keyboard via Bluetooth reverse control function.
②	**Monitor**	The Monitor setting page is displayed.
③	**Autoswitch**	Selection of no signal behavior, go sleep / go launcher / off (no action).
④	**Quickshow**	Settings for fast power on mode for source of HDMI / DisplayPort / Type-C.
⑤	**Multiview**	Display the input source signal and mobile phone on the same screen.
⑥	**Volume**	The increase or decrease of sound.
⑦	**Setting**	The setting page is displayed.

Settings

Inputs

1. Press **Setting** to open the setting menu.
2. Select **Inputs** > **External Inputs** and press **OK**.



HDMI CEC Settings

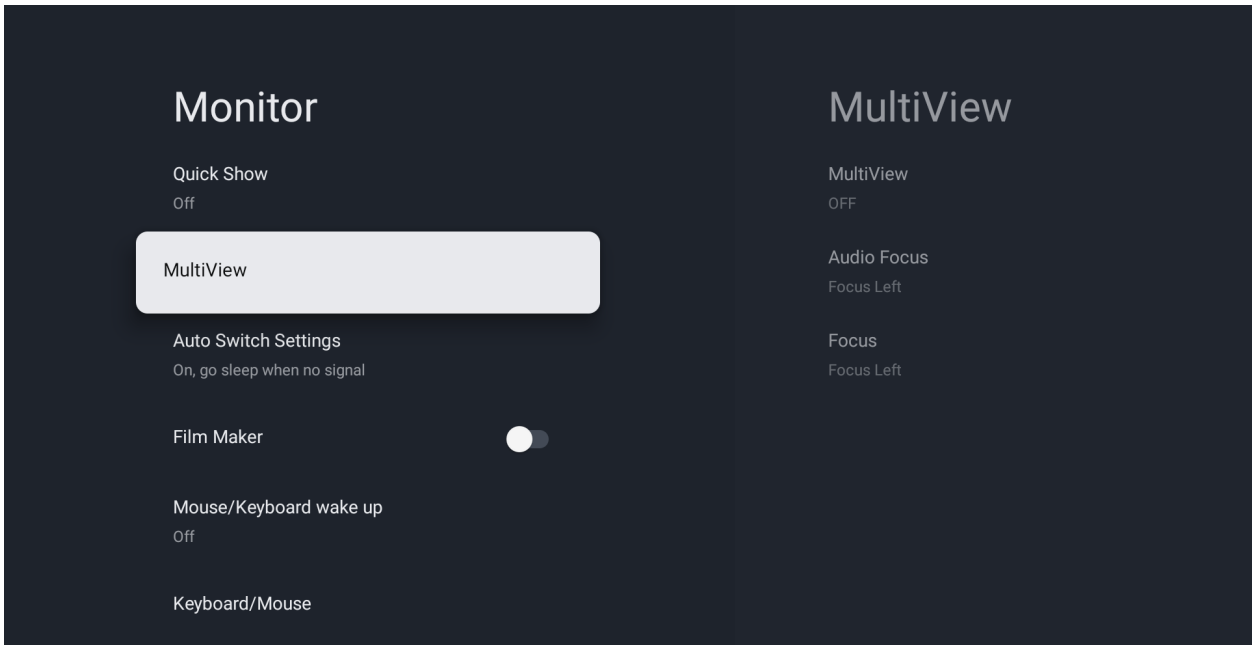
CEC Control	Connect HDMI CEC-compatible devices to your Monitor, you can operate them with the Monitor remote control. HDMI CEC Control must be switched on to the Monitor and the connected device.
Device Auto Power Off	Turn on the **Device Auto Power off**, the Monitor is turned off, and the device is also turned off. The Monitor will affect the device, but the device will not affect the Monitor.
Tv Auto Power On	Turn on the **Auto Power On**, the Monitor is turned on, and the device will also be turned on (the device will only be turned on under the channel connected to the device). The Monitor will affect the device, but the device will not affect the Monitor.

HDMI Signal Format

Auto / StandardFormat / EnhancedFormat	Select the HDMI format after connecting the HDMI.

Monitor

1. Press **Setting** to open the setting menu.
2. Select **Monitor** and press **OK**.



Quick Show

Open or close **Quick Show**.

MultiView

MultiView	Turn on or off the split screen.
Audio Focus	The audio focus of the split screen is on the left or right half screen.
Focus	The visual focus of the split screen is on the left or right half screen.

Auto Switch Settings

Select the mode when there is no signal.

Film Maker

When the **Film Maker** is set to **On**, the Film source that comes with the Film Maker will be played, and it will automatically play in this mode.

Mouse/Keyboard wake up

Mouse/Keyboard can wake up the Monitor.

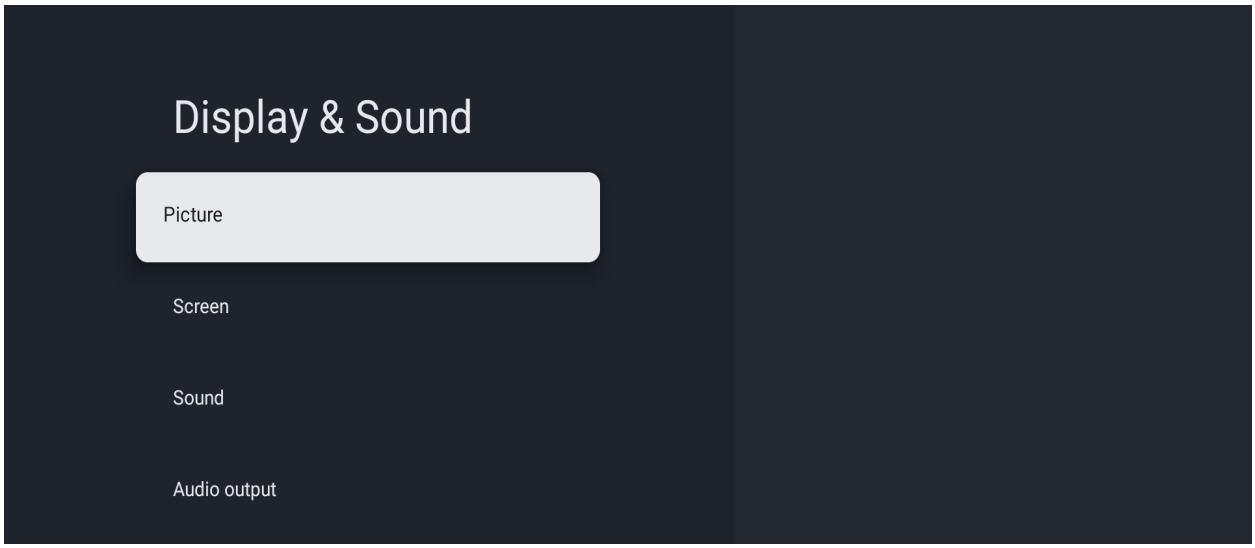
Keyboard/Mouse

Mouse and keyboard via Bluetooth reverse control function.

Control Device	Set to On or Off.
Shortcut Menu Hotkey	Disable / Enable the Shortcut key for keyboard or mouse to wake up the screen.

Display & Sound

1. Press **Setting** to open the setting menu.
2. Select **Display & Sound** and press **OK**.



Picture

Picture Mode	Set the current **Picture Mode**. **Note:** You can only change the value of brightness, contrast, sharpness, color, when the picture is in **User** mode.
Backlight	· **Backlight**: Set the current screen backlight. · **Dynamic Backlight**: Turn on or off the dynamic backlight.
Overscan	Settings for **Overscan**.
Color	· **Color Temperature**: Adjust screen color temperature. · **White Banlance**: Adjust screen White Banlance. · **Color Space**: Adjust screen Color Space. · **3D LUT**: 3D LUT turn on/off. · **Low Blue**: Adjust screen Low Blue.
PC mode	PC mode selection.
Game Option	Settings for Gaming. **Note:** VRR and MPRT cannot be enabled at the same time.
Basic Settings	Ajust the screen settings for **Brighness** / **Contrast** / **Saturation** / **Hue** / **Sharpness**.
Professional Settings	· **Gamma**: set a non-linear setting for picture luminance and contrast · **Noise Reduction**: set to remove the noise in video content. · **Dynamic Contrast Control**: set the level at which the Monitor automatically enhances the details in the dark, middle and light areas of the picture. · **MPEG Noise Reduction**: to improve the quality of pictures by reducing the noise without compromising the picture resolution. · **Smooth Gradation**: to make picture movement smooth by minimizing judder. · **Local Contrast**: automatically reduce the contrast for best power consumption or for best picture experience.
Reset All	Reset the current picture settings to default.

Screen

Aspect Ratio	To select one of the basic settings to fill the screen. · **Auto**: automatically zoom in the picture to fit the screen with original aspect ratio. No content lost visible. · **Full**: automatically enlarge the picture to fill the screen. Picture distortion is minimal. · **4:3**: display the classic 4:3 format. · **Direct**: provide maximum detail.

Sound

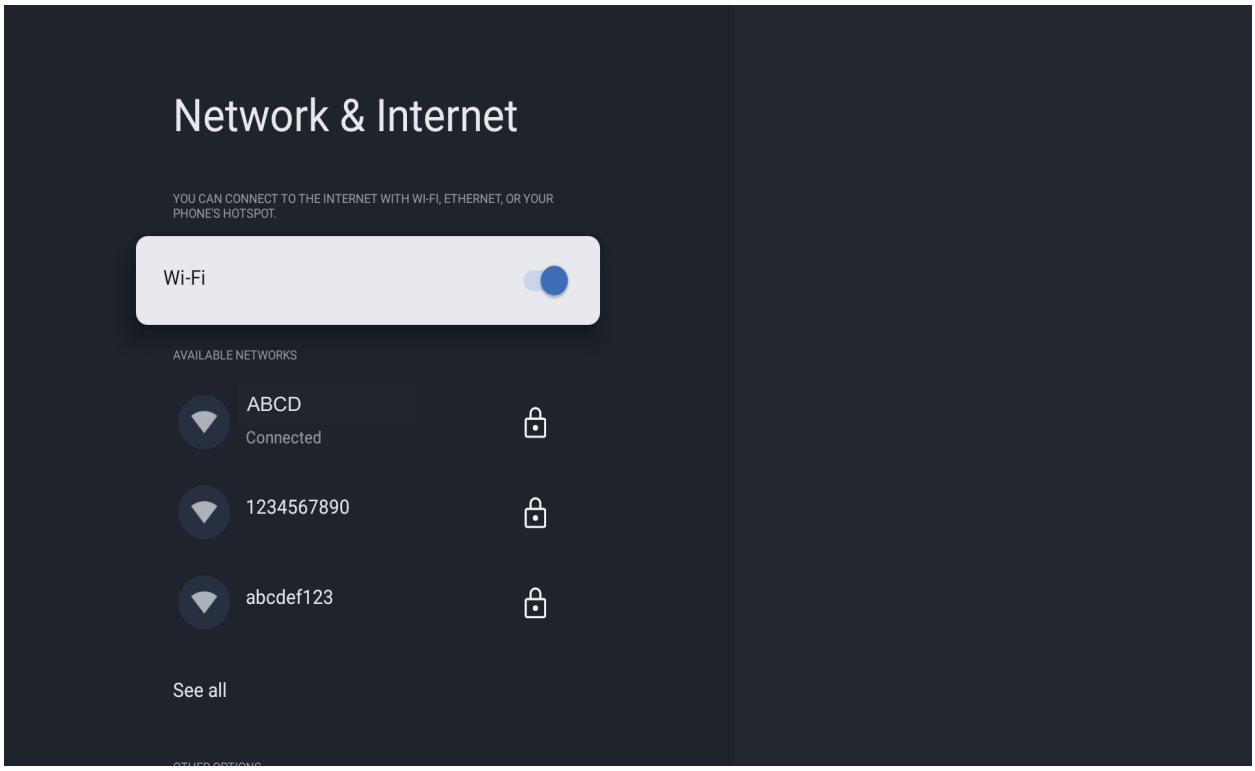
Sound Mode	Select for **Sound Mode**. **Note:** You can change the value of Bass and Treble, Balance and EQ, when the sound is in **User** mode.
Surround Mode	Set for surround sound mode.
Sound Only	Set **Sound Only**, it will show dialog then Auto turn off screen.
Advanced Settings	· **Dialogue Enhancer**: increase the intelligibility of dialogue and commentary. · **Balance**: adjust the settings for balance. · **Sound Reset**: reset the current sound settings to default.

Audio output

Output Device	Set the Monitor to play the sound on speaker or on the connected audio system. With an audio device connected with HDMI CEC, select HDMI sound system. The Monitor will switch off the speakers when the device is playing the sound.
Audio Output Type	Set the **Audio Output Type** from **PCM** / **Auto** / **Passthrough**.
Digital Audio Delay(ms)	Adjust the audio sync delay to synchronise the audio to the video.
Digital Audio Volume	Set the Monitor to sync the sound.
eARC	Set **eARC** mode to On or Off.

Network & Internet

1. Press **Setting** to open the setting menu.
2. Select **Network & Internet** and press **OK**.



Connect to Network

Wireless Connection

1. Select **Network & Internet** and press **OK**.
2. Select **Wi-Fi** > **On** / **Off**.
   a. In the list of found networks, select on your wireless network. If your network is not in the list because the network name is hidden, select **See all** or **Add New Network** to enter the network name yourself.
   b. A message will be shown when the connection is successful.

Wired Connection

When Wi-Fi and wired network are connected to the internet at the same time, the wired network takes precedence.

View Network Settings

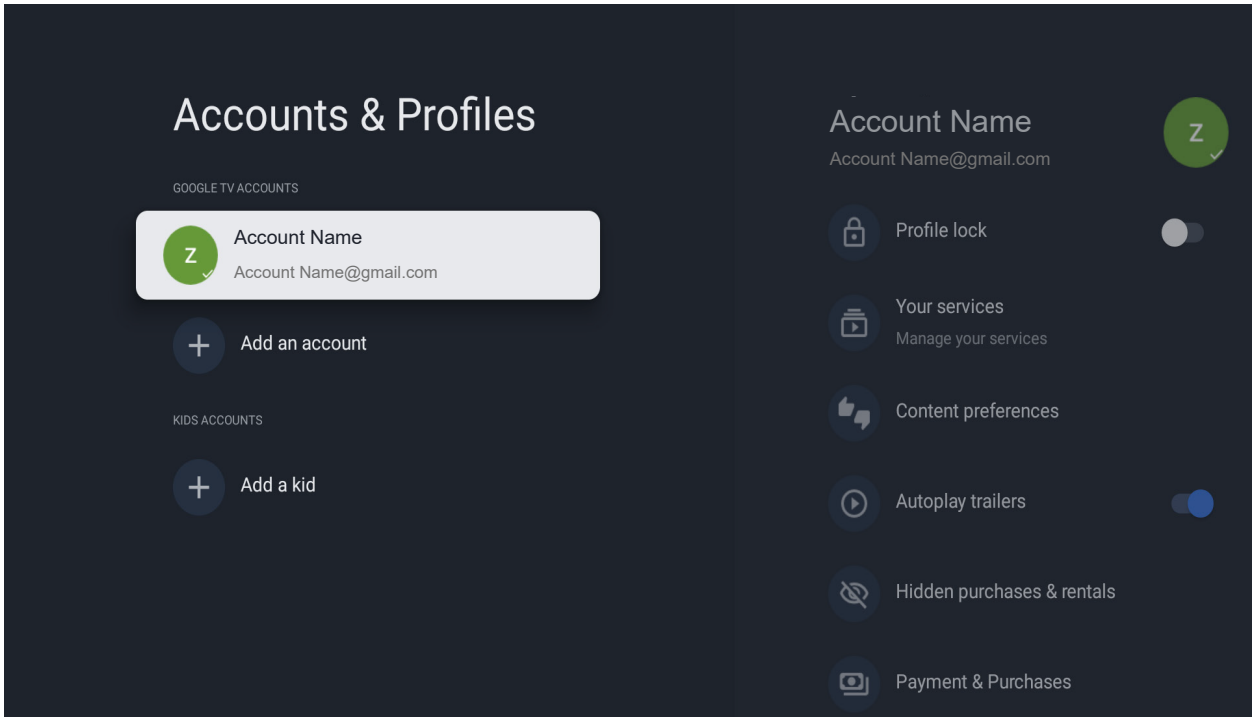
1. Select **Network & Internet** and press **OK**.
2. Select **ETHERNET** > **OK**.
   You can view all current network settings here.

Switch On with Wi-Fi

1. Select **Network & Internet** and press **OK**.
2. Select **Wifi Configs** > **Wake On Network** > **On** > **OK**.
   You can switch on Monitor from your smartphone or tablet when Network is in Standby and all devices within same network. The setting **Wake On Network** must be switched on.

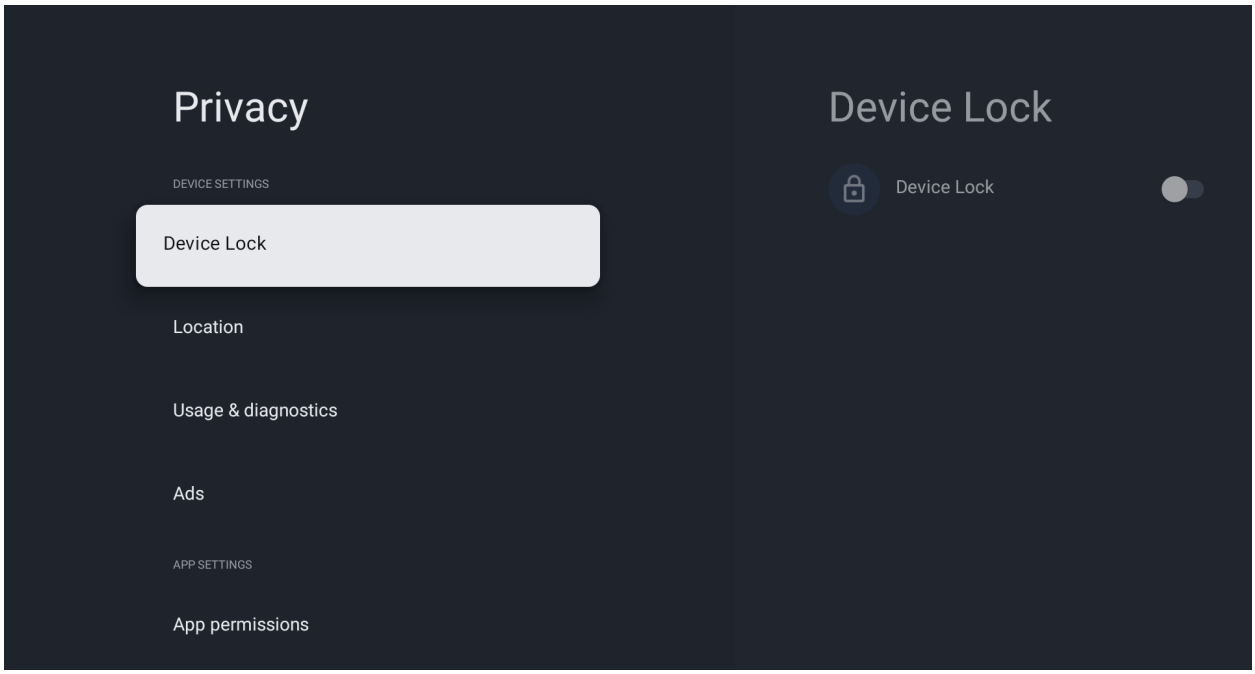
Accounts & Profiles

1. Press **Setting** to open the setting menu.
2. Select **Accounts & Profiles** and press **OK**.
   Use your existing Google Account to sign in to Google on your Monitor.
   You can see the Google Account informatioon and adjust your Google account settings.
   Note:
   Some functions like voice control can only take effect after logging in to a Google account.



Privacy

1. Press **Setting** to open the setting menu.
2. Select **Privacy** and press **OK**.



Device Lock

To prevent from using connected devices, you can lock an input device.

Location

Location status	Whether to display location status over Wi-Fi.
Scanning always available	Scan the position switch at any time.
RECENT LOCATION REQUESTS	Apps that recently applied for location information.

Usage & diagnostics

Set to on for automatically send diagnostic information to Google, such as crash reports and usage data from your device, Apps and Chromecast built in.

Ads

Change the Ads settings for your preference.

App permissions

For each installed app, you can set the permissions for **Phone** / **Files and media** / **Other permissions**.

Special app access

Set the special application permission Settings.

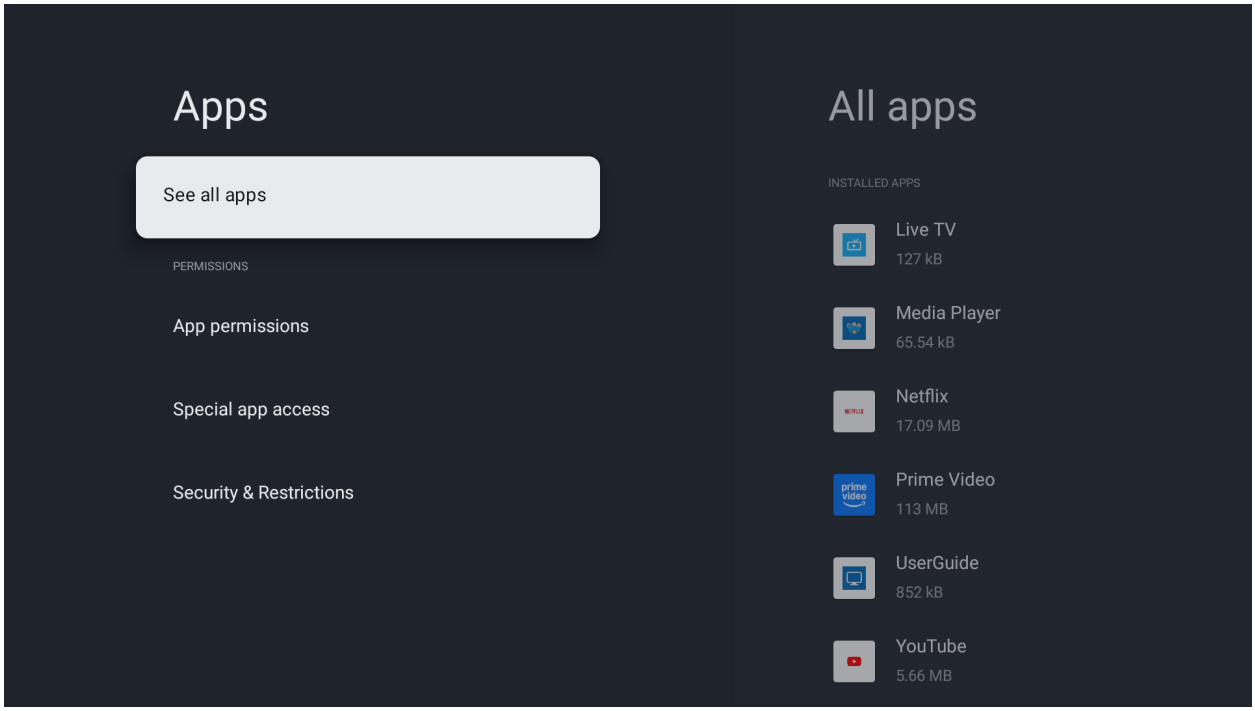
Security & Restrictions

Set the security and restriction settings for unknown Apps.

Apps

You can find your favorite Apps on Your Apps row in the Home menu. To get you started, some practical Apps are pre-installed on your Monitor.

1. Press **Setting** to open the setting menu.
2. Select **Apps** and press **OK**.

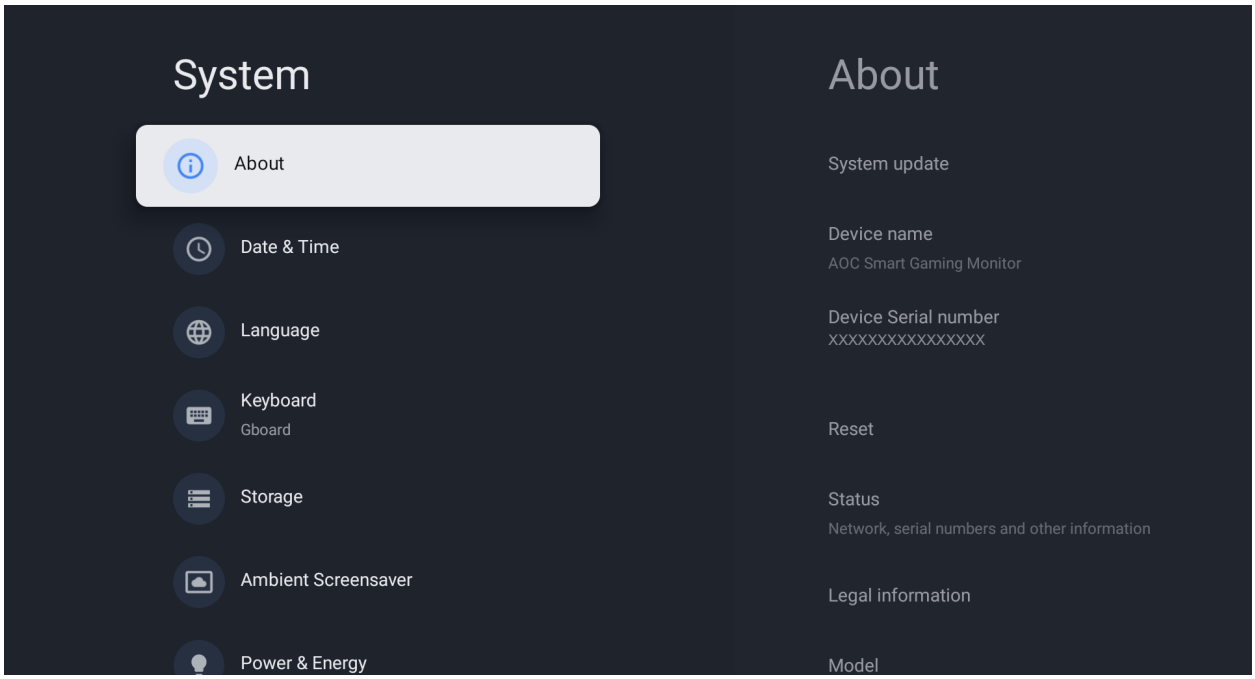


If you stop an app and return to the Home menu, the app is not really stopped. The app is still running in the background to be readily available when you start it again. To run fluently, most Apps need to save some data in the cache memory of the Monitor. It might be good to stop an app completely or clear the cache data of a particular app to optimise the overall performance of Apps and to keep memory usage low on your Monitor. Also, it is best to uninstall Apps that you are not using anymore.

For each installed app, you can also set the permissions for **App permissions**, **Special app access** and **Security & Restrictions**.

System

1. Press **Setting** to open the setting menu.
2. Select **System** and press **OK**.



About

System update	Check for system updates.
Device name / Device Serial number	Show the device name and serial number.
Reset	Reset all settings to factory settings.
Status	To display the Monitor status about **IP address**, **Device MAC address**, **Bluetooth address**, **Serial Number**, etc.
Legal information	Show some legal information.
System Information	To view the current software version, includes **Model**, **Android TV OS version**, **Android TV OS security patch level**, **Kernel version**, **Android TV OS build**, **Netflix ESN**, **Terms and Conditions**, **Environment**, **System running time**, **Break reminder**.

Date & Time

Automatic data&time	Set to **Use network-provided time** to update the time automatically or **Off** to use system time.
Set date / time / time zone	Set the current date / time / time zone.
Use 24-hour format	Set to use 24-hour format to display the time.

Language

Select the language to display Monitor menu and messages.

Keyboard

Settings for the virtual keyboards.

Storage

Internal shared storage	You can see how much storage space - the internal memory - you are using for your Apps, videos, music, etc. You can see how much free space you still have available for installing new Apps. Check your storage if Apps start to run slow or in case of app trouble.
Free up storage	If Apps start to run slow, you can clear cache or uninstall Apps for more storage space.

Ambient mode

Ambient mode is the screen saver to avoid displaying still images for a longer period of time. You can set the photo source, display weather or time information, adjust the speed of slideshow.

Power & Energy

Power on behavior	Set the Monitor to stay on the **Google TV home screen** or on the **Last used input** when you power on the Monitor.
Power & Energy	Set the time to turn off the Monitor display automatically to save energy.
Type-C Charge	Set the Type-C charging in standby.
Power Mode	Set power mode to **Normal** or **ECO** for saving energy.

System sounds

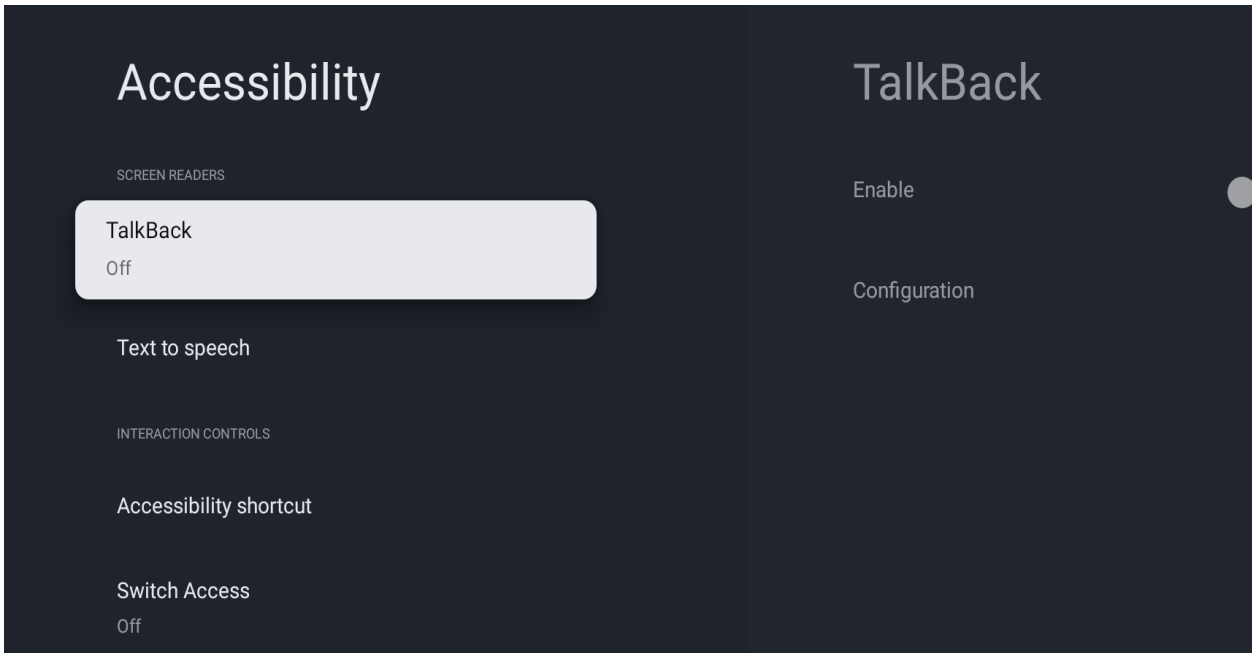
Enable or disable the system sounds.

Restart

If your Monitor runs low performance when using Apps, you may restart the Monitor for better performance.

Accessibility

1. Press **Setting** to open the setting menu.
2. Select **Accessibility** and press **OK**.



TalkBack

With **TalkBack** switched on, the Monitor is prepared for use for the deaf, hard of hearing, blind or partially sighted people.

Text to speech

Set to convert the text into speech for blind or partially sighted people.

Accessibility shortcut

Quick access to Accessibility settings.

Switch Access

With an external switch or device, users can simulate a touch screen.

Captions

Adjust the caption settings.

High contrast text

Turn on to make texts displayed with higher contrast for easier reading.

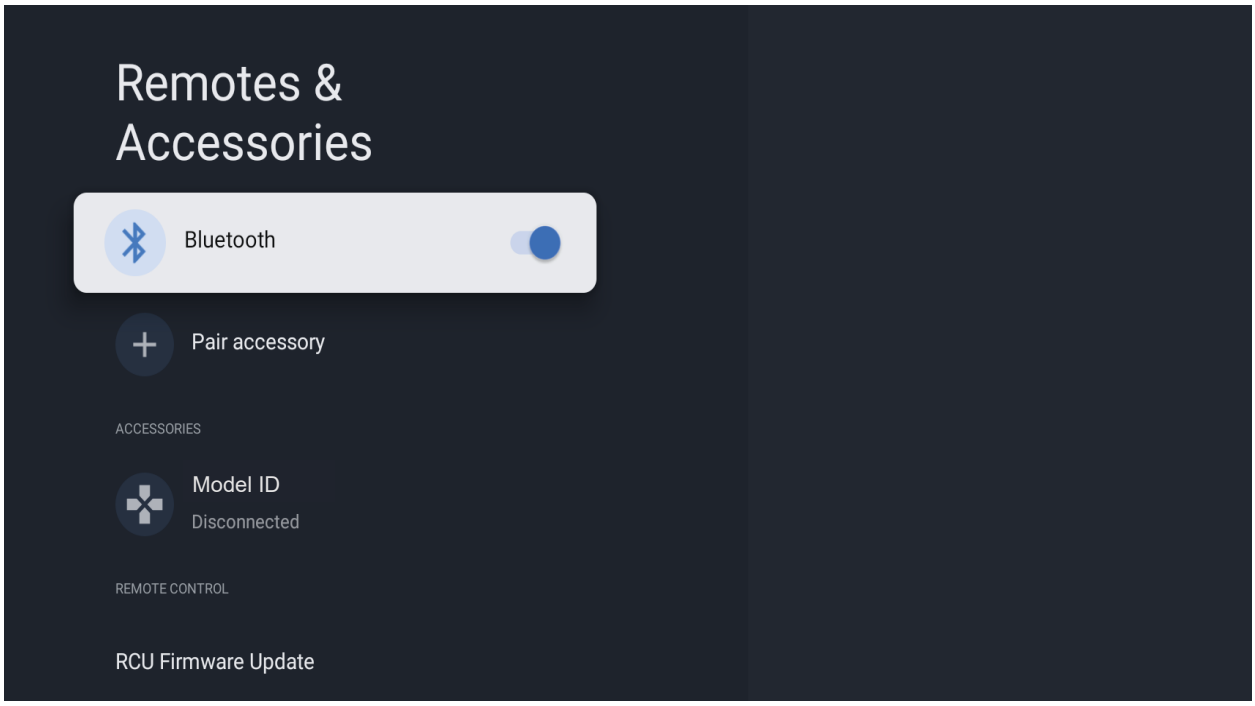
Remotes & Accessories

Bluetooth is a wireless technology standard for exchanging data over short distance between Bluetooth devices. You can connect Bluetooth audio device, mouse or keyboard via the monitor.

Note:

Bluetooth technology uses 2.4GHz frequency and may experience interference when near Wi-Fi access points, routers, or microwave ovens. If you experience audio interruptions, try restarting your Bluetooth device or moving it away from the interference source. If you continue to face Bluetooth issues, you should move closer to the Monitor or increase the distance between the monitor and source of interferences.

1. Press **Setting** to open the setting menu.
2. Select **Remotes & Accessories** and press **OK**.



Bluetooth

Make sure the Bluetooth setting on Monitor is switched on.

Pair accessory

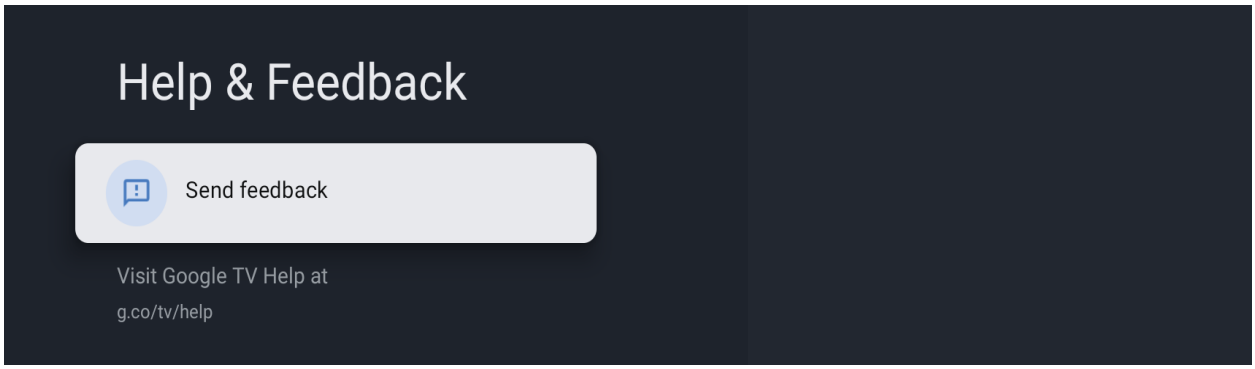
Switch on the Bluetooth device and place it within range of the Monitor.
When a device is paired, you do not need to pair it again unless you remove the device.
You might need to unpair a paired device first if the maximum number of paired devices was reached.

RCU Firmware Update

Check available remote control software for updates. If a new software update is available for your remote control, you can start the software update. Please install new batteries or fully charge the battery, and then position your remote control within one meter from Monitor for updating software.

Help & Feedback

1. Press **Setting** to open the setting menu.
2. Select **Help & Feedback** and press **OK**.



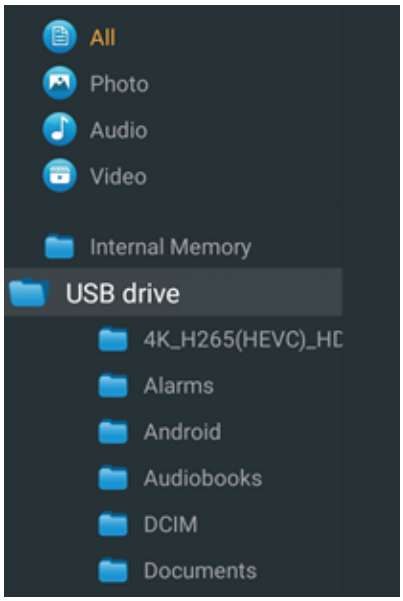
Send your feedback to Google.
You can also visit Google TV Help at g. co/tv/help

Multimedia

The picture is for reference only; the actual item is standard.

Note:

Before operation MEDIA menu, plug in USB device or memory card. Select Media Player APK in launcher, and then press OK to enter.



Photo

1. Select **Photo**, and then press **OK**.
   It will show all the thumbnail of Photos. Select it and press **OK** button, it will begin to play photo.
2. Press **BACK** button to return to the previous menu.

Music

1. Select **Music**, then press **OK** button to enter.
   It will show all the file name of music. Select it and press **OK** button, it will begin to play music.
2. Press **BACK** button to return to the previous menu.

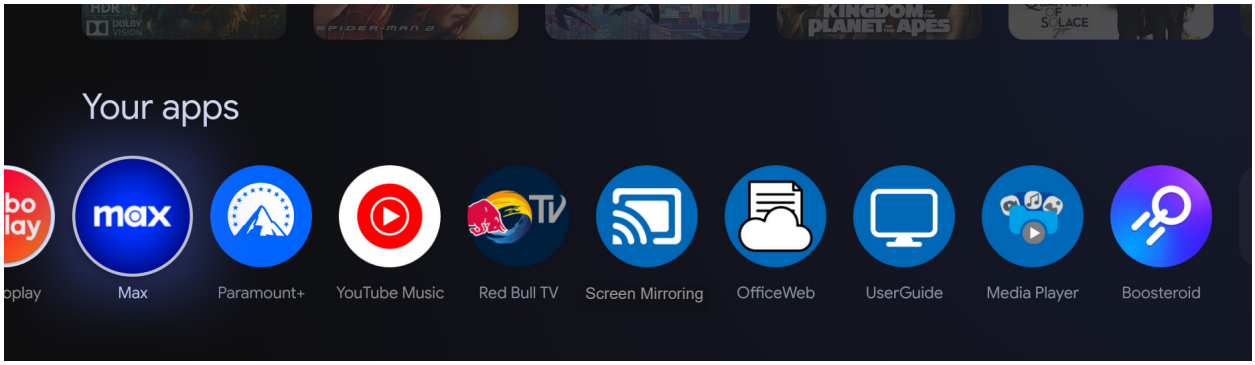
Video

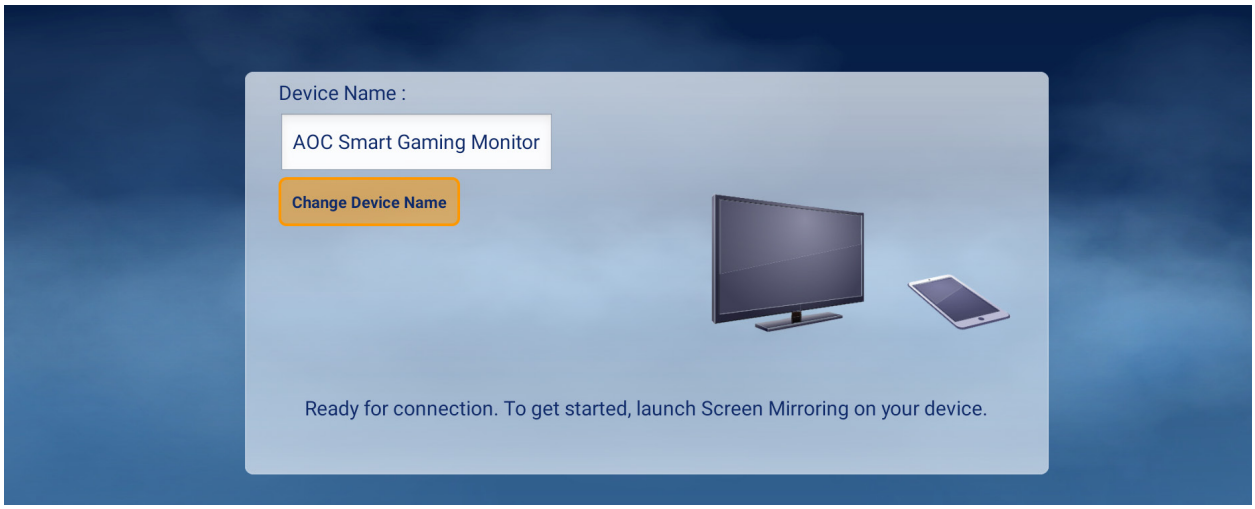
1. Select **Video**, and then press **OK** button.
   It will show all the file name of Video. Select it and press **OK** button, it will begin to play video.
2. Press **BACK** button to return to the previous menu.

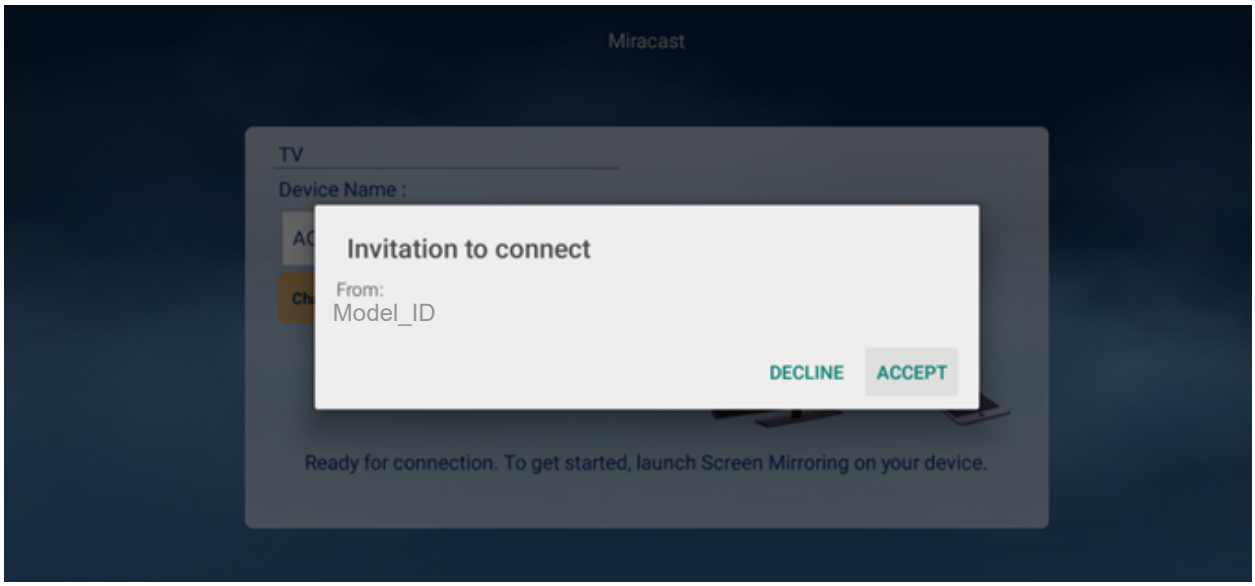
Screen Mirroring

Wireless screen mirroring from a mobile phone:

- Please log into your Google account before using **Screen Mirroring**.
- **Screen Mirroring** can be found in Google Launcher.







Troubleshoot

Problem & Question	Possible Solutions
Power LED Is Not ON	Make sure the power button is ON and the Power Cord is properly connected to a grounded power outlet and to the monitor.
No image on the screen	· Is the power cord connected properly? Check the power cord connection and power supply. · Is the video cable connected correctly? (Connected using the HDMI cable) Check the HDMI cable connection. (Connected using the DisplayPort cable) Check the DisplayPort cable connection. * HDMI / DisplayPort input is not available on every model. · If the power is on, reboot the computer to see the initial screen (the login screen.) If the initial screen (the login screen) appears, boot the computer in the applicable mode (the safe mode for Windows 7/8/10) and then change the frequency of the video card. (Refer to the Setting the Optimal Resolution) If the initial screen (the login screen) does not appear, contact the Service Center or your dealer. · Can you see “Input Not Supported” on the screen? You can see this message when the signal from the video card exceeds the maximum resolution and frequency that the monitor can handle properly. Adjust the maximum resolution and frequency that the monitor can handle properly. · Make sure the AOC monitor Drivers are installed.
Picture Is Fuzzy & Has Ghosting Shadowing Problem	Adjust the Contrast and Brightness Controls. Make sure you are not using an extension cable or switch box. We recommend plugging the monitor directly to the video card output connector on the back.
Picture Bounces, Flickers Or Wave Pattern Appears In The Picture	Move electrical devices that may cause electrical interference as far away from the monitor as possible. Use the maximum refresh rate your monitor is capable of at the resolution you are using.
Monitor Is Stuck In Active Off-Mode”	The Computer Power Switch should be in the ON position. The Computer Video Card should be snugly fitted in its slot. Make sure the monitor’s video cable is properly connected to the computer. Inspect the monitor’s video cable and make sure no pin is bent. Make sure your computer is operational by hitting the CAPS LOCK key on the keyboard while observing the CAPS LOCK LED. The LED should either turn ON or OFF after hitting the CAPS LOCK key.
Missing one of the primary colors (RED, GREEN, or BLUE)	Inspect the monitor’s video cable and make sure that no pin is damaged. Make sure the monitor’s video cable is properly connected to the computer.
Screen image is not centered or sized properly	Adjust H-Position and V-Position.
Picture has color defects (white does not look white)	Adjust RGB color or select desired color temperature.
Horizontal or vertical disturbances on the screen	Use Windows 7/8/10/11 shut-down mode to adjust CLOCK and FOCUS.
Regulation & Service	Please refer to Regulation & Service Information which is in the CD manual or www.aoc.com (to find the model you purchase in your country and to find Regulation & Service Information in Support page.

Specification

General Specification

Panel	Model name	Q27G4XY	
	Driving system	TFT Color LCD	
	Viewable Image Size	68.5 cm diagonal	
	Pixel pitch	0.2331mm(H) x 0.2331mm(V)	
	Video	HDMI Interface & DisplayPort & Type-C Interface	
	Display Color	16.7M Colors	
Others	Horizontal scan range	30k~80kHz (Android) 30k~230kHz (HDMI) 30k~270kHz (DisplayPort) 30k~270kHz (Type-C)	
	Horizontal scan Size(Maximum)	596.736mm	
	Vertical scan range	60Hz (Android) 48~144Hz (HDMI) 48~180Hz (DisplayPort) 48~180Hz (Type-C)	
	Vertical Scan Size(Maximum)	335.664mm	
	Optimal preset resolution	2560x1440@60Hz	
	Max resolution	1920x1080@60Hz (Android) 2560x1440@75Hz (HDMI1.4) 2560x1440@144Hz (HDMI2.0) 2560x1440@180Hz (DisplayPort) 2560x1440@180Hz (Type-C)	
	Plug & Play	VESA DDC2B/CI	
	Power Source	100-240V~, 50/60Hz, 1.5A	
	Power Consumption	Typical(default brightness and contrast)	32W
		Max. (brightness = 100, contrast =100)	≤140W
		Standby Mode	≤0.5W
	PD For USB C (Type-C)	65W(Max)	
	Network Connections	WiFi Function	WiFi 5.0,802.11a/b/g/n/ac
		Wired Network	RJ45 Ethernet interface(10/100Mbps)
	Bluetooth	BT5.2	
	Speaker	5Wx2	
Physical Characteristics	Connector Type	RJ45 / HDMI /DisplayPort / USB C (Type-C) / USBx2 / Earphone	
	Signal Cable Type	Detachable	
Environmental	Temperature	Operating	0°C~40°C
		Non-Operating	-25°C~55°C
	Humidity	Operating	10%~85% (Non-Condensing)
		Non-Operating	5%~93% (Non-Condensing)
	Altitude	Operating	0m~5000m (0ft~16404ft)
		Non-Operating	0m~12192m (0ft~40000ft)

Preset Display Modes

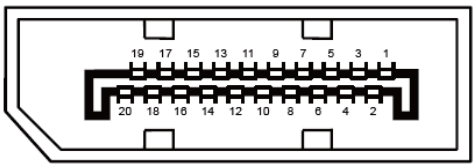
STANDARD	RESOLUTION(±1Hz)	HORIZONTAL FREQUENCY(kHz)	VERTICAL FREQUENCY(Hz)
VGA	640x480@60Hz	31.469	59.94
	640x480@72Hz	37.861	72.809
	640x480@75Hz	37.5	75
	640x480@100Hz	50.313	99.826
	640x480@120Hz	60.938	119.72
SVGA	800x600@56Hz	35.156	56.25
	800x600@60Hz	37.879	60.317
	800x600@72Hz	48.077	72.188
	800x600@75Hz	46.875	75
	800x600@100Hz	62.76	99.778
	800x600@120Hz	76.302	119.972
XGA	1024x768@60Hz	48.363	60.004
	1024x768@70Hz	56.476	70.069
	1024x768@75Hz	60.023	75.029
	1024x768@100Hz	80.448	99.811
	1024x768@120Hz	97.551	119.989
SXGA	1280x720@ 60Hz	44.772	59.855
	1280x960@ 60Hz	60	60
	1280x1024@60Hz	63.981	60.02
	1280x1024@75Hz	79.976	75.025
WSXGA	1680x1050@60Hz	65.290	59.954
FHD	1920x1080@60Hz	67.5	60
	1920x1080@75Hz	83.909	74.986
	1920x1080@120Hz	139.1	119.93
QHD	2560x1440@60Hz	88.787	59.951
	2560x1440@75Hz	111.028	74.968
	2560x1440@120Hz	182.996	119.998
	2560x1440@144Hz	222.056	143.912
QHD (DisplayPort & Type-C)	2560x1440@165Hz	242.55	165
	2560x1440@170Hz	249.9	170.001
	2560x1440@180Hz	264.603	180.002
IBM MODES			
DOS	720x400@70Hz	31.469	70.087
MAC MODES			
VGA	640x480@67Hz	35	66.667
SVGA	832x624@75Hz	49.725	74.551
XGA	1024x768@75Hz	60.241	74.927

Note:
According to the VESA standard, there may be a certain error (+/-1Hz) when calculating the refresh rate (field frequency) of different operating systems and graphics cards. In order to improve compatibility, the nominal refresh rate of this product has been rounded off. Please refer to the actual product.

Pin Assignments

19-Pin Color Display Signal Cable

Pin No.	Signal Name	Pin No.	Signal Name	Pin No.	Signal Name
1	TMDS Data 2+	9	TMDS Data 0-	17	DDC/CEC Ground
2	TMDS Data 2 Shield	10	TMDS Clock +	18	+5V Power
3	TMDS Data 2-	11	TMDS Clock Shield	19	Hot Plug Detect
4	TMDS Data 1+	12	TMDS Clock-		
5	TMDS Data 1Shield	13	CEC		
6	TMDS Data 1-	14	Reserved (N.C. on device)		
7	TMDS Data 0+	15	SCL		
8	TMDS Data 0 Shield	16	SDA		



20-Pin Color Display Signal Cable

Pin No.	Signal Name	Pin No.	Signal Name
1	ML_Lane 3 (n)	11	GND
2	GND	12	ML_Lane 0 (p)
3	ML_Lane 3 (p)	13	CONFIG1
4	ML_Lane 2 (n)	14	CONFIG2
5	GND	15	AUX_CH(p)
6	ML_Lane 2 (p)	16	GND
7	ML_Lane 1 (n)	17	AUX_CH(n)
8	GND	18	Hot Plug Detect
9	ML_Lane 1 (p)	19	Return DP_PWR
10	ML_Lane 0 (n)	20	DP_PWR

Plug and Play

Plug & Play DDC2B Feature

This monitor is equipped with VESA DDC2B capabilities according to the VESA DDC STANDARD. It allows the monitor to inform the host system of its identity and depending on the level of DDC used, communicate additional information about its display capabilities.

The DDC2B is a bi-directional data channel based on the I2C protocol. The host can request EDID information over the DDC2B channel.

HIGH-DEFINITION MULTIMEDIA INTERFACE

Dolby Audio

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