ViewSonic®

IN05 Series

Commercial Touch Display
User Guide

IMPORTANT: Please read this User Guide to obtain important information on installing and using your product in a safe manner, as well as registering your product for future service. Warranty information contained in this User Guide will describe your limited coverage from ViewSonic® Corporation, which is also found on our web site at http://www.viewsonic.com in English, or in specific languages using the Regional selection box of our website.

Model No. VS21282 | VS21283 | VS21284
P/N: IN6505-C | IN7505-C | IN8605-C | IN6505-N | IN7505-N | IN8605-N

Thank you for choosing ViewSonic®

As a world-leading provider of visual solutions, ViewSonic® is dedicated to exceeding the world's expectations for technological evolution, innovation, and simplicity. At ViewSonic®, we believe that our products have the potential to make a positive impact in the world, and we are confident that the ViewSonic® product you have chosen will serve you well.

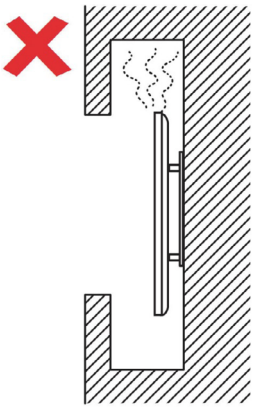
Once again, thank you for choosing ViewSonic®!

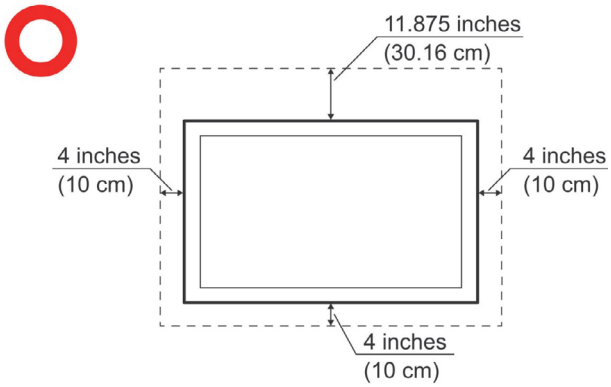
Safety Precautions

Please read the following **Safety Precautions** before you start using the device.

- Keep this user guide in a safe place for later reference.
- Read all warnings and follow all instructions.
- Do not use the device near water. To reduce the risk of fire or electric shock, do not expose the device to moisture.
- Never remove the rear cover. This display contains high-voltage parts. You may be seriously injured if you touch them.
- Avoid exposing the device to direct sunlight or other sources of sustained heat.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that may increase the temperature of the device to dangerous levels.
- Use a soft, dry cloth to clean the external housing. For more information, refer to the "Maintenance" section.
- When moving the device, be careful not to drop or bump the device on anything.
- Do not place the device on an uneven or unstable surface. The device may fall over resulting in an injury or a malfunction.
- Do not place any heavy objects on the device or connection cables.
- If smoke, an abnormal noise, or a strange odor is present, immediately turn the device off and call your dealer or ViewSonic®. It is dangerous to continue using the device.
- The device is a monitor with an LED backlight intended for general office use.
- Do not attempt to circumvent the safety provisions of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade and the third prong are provided for your safety. If the plug does not fit into your outlet, obtain an adapter and do not attempt to force the plug into the outlet.
- When connecting to a power outlet, DO NOT remove the grounding prong. Please ensure grounding prongs are NEVER REMOVED.
- Protect the power cord from being treaded upon or pinched, particularly at the plug, and at the point where it emerges from the equipment. Ensure that the power outlet is located near the equipment so that it is easily accessible.
- Only use attachments/accessories specified by the manufacturer.
- When a cart is used, use with caution when moving the cart/equipment combination to avoid injury from tipping over.

- Disconnect the power plug from the AC outlet if the device is not being used for a long period of time.
- Place the device in a well-ventilated area. Do not place anything on the device that prevents heat dissipation.





- Refer all servicing to qualified service personnel. Service will be required when the unit has been damaged in any way, such as:
  - » if the power supply cord or plug is damaged
  - » if liquid is spilled onto or objects fall in the unit
  - » if the unit is exposed to moisture
  - » if the unit does not operate normally or has been dropped

Important

To ensure the optimal performance and longevity of your display, it is essential to follow the recommended handling, mounting, and storage procedures. Placing the display in a horizontal position can lead to a range of potential issues, including:

- Excessive stress on the display's structural components, resulting in the formation of cracks or distortions along the edges.
- Uneven weight distribution, which can cause the screen to warp, sustain internal damage, or crack over time.
- Thermal-related damage, as the internal components may not be able to dissipate heat as intended, leading to potential failure or permanent damage.

Furthermore, altering the display's form can also compromise the integrity of its internal components, including the sensitive LCD cells, which can result in a permanent degradation of the display's quality.

To prevent such issues and maintain the display's optimal condition, it is recommended to always mount, handle, transport, and store it in a vertical position. Failure to do so may void the warranty and compromise the display's performance and lifespan.

Note: Any damage resulting from the misuse or improper handling of the display is not covered under warranty.

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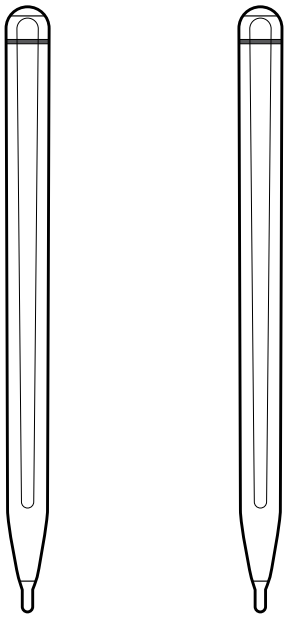
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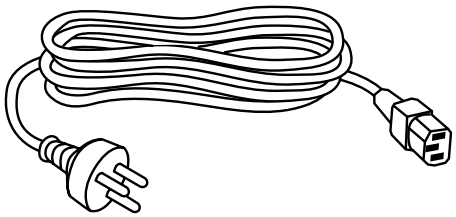
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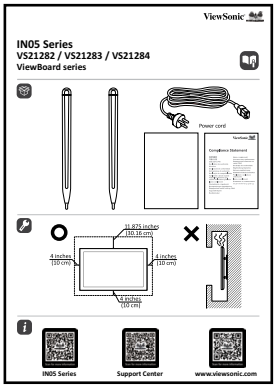
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Introduction

Package Contents









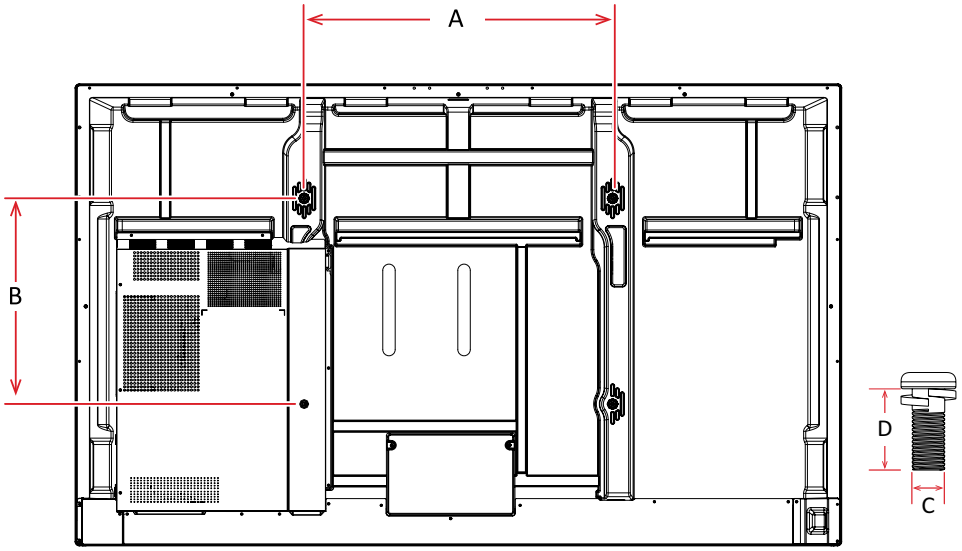
- 2 x Touch Pen
- Power Cable (by region)
- Quick Start Guide
- Compliance Statement

Note: The cables included in your package may vary depending on your country. Please contact your local reseller for more information.

Wall Mount Kit Specifications (VESA)

Note:

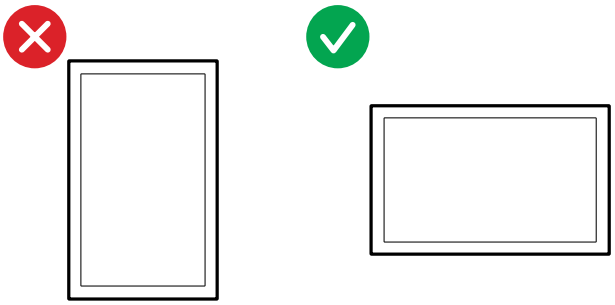
- Please follow the instructions in the wall mount installation guide to install your wall mount. If attaching to other building materials, please contact your local reseller.
- The wall mounting screw (M8 x 25 mm) is not included with the package. Please contact your local reseller to obtain them if needed.



Model	VESA Spec. (A x B)	Standard Screw (C x D)	Quantity
IN6505-C	600 x 400 mm	M8 x 25 mm	4
IN6505-N			
IN7505-C	800 x 400 mm		
IN7505-N			
IN8605-C	800 x 600 mm		
IN8605-N			

Important:

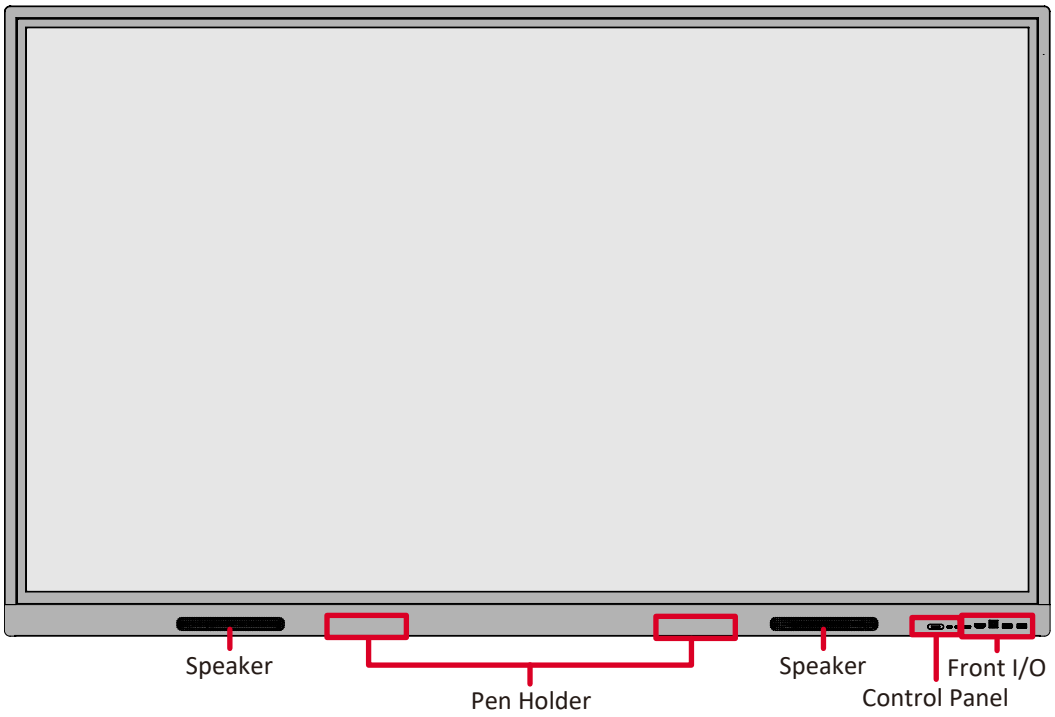
- For use only with a UL certified mounting kit. To obtain a mounting kit or height adjustment base, contact ViewSonic® or your local dealer.
- Only mount the display in landscape orientation. Never mount in a portrait orientation.



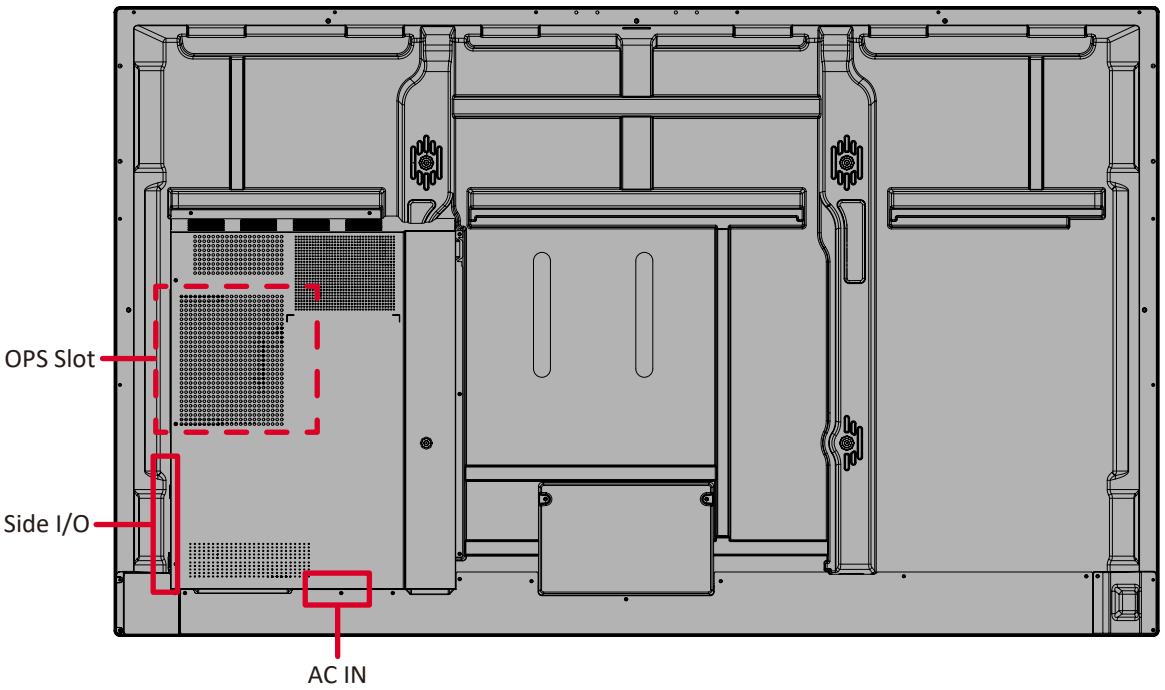
Product Overview

IN6505

Front View

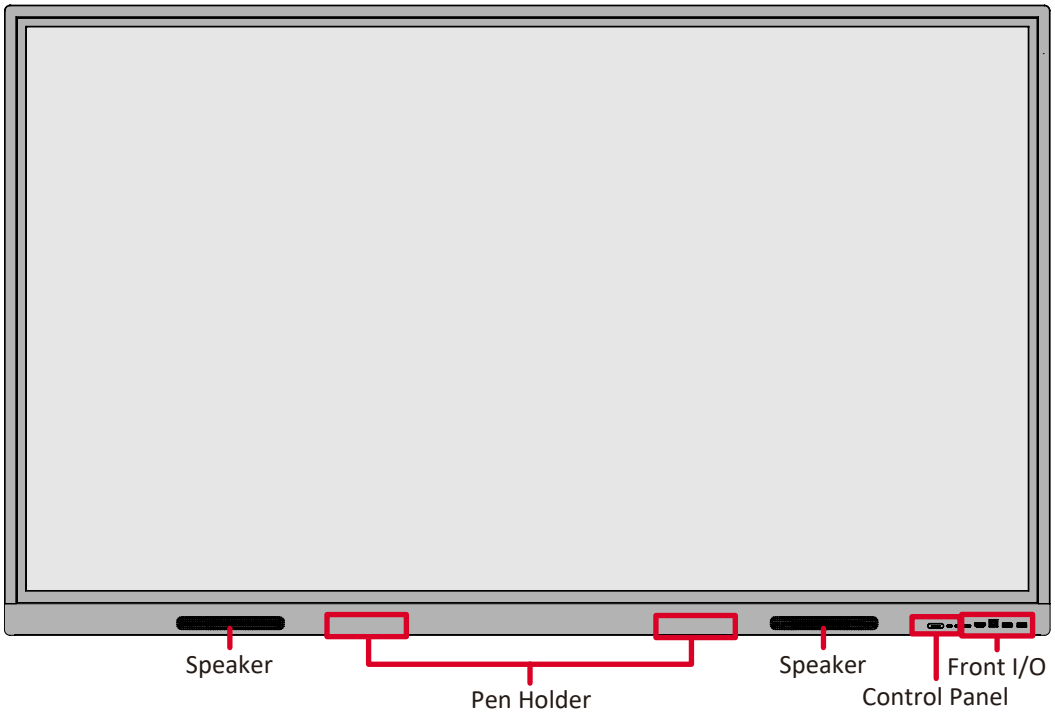


Rear View

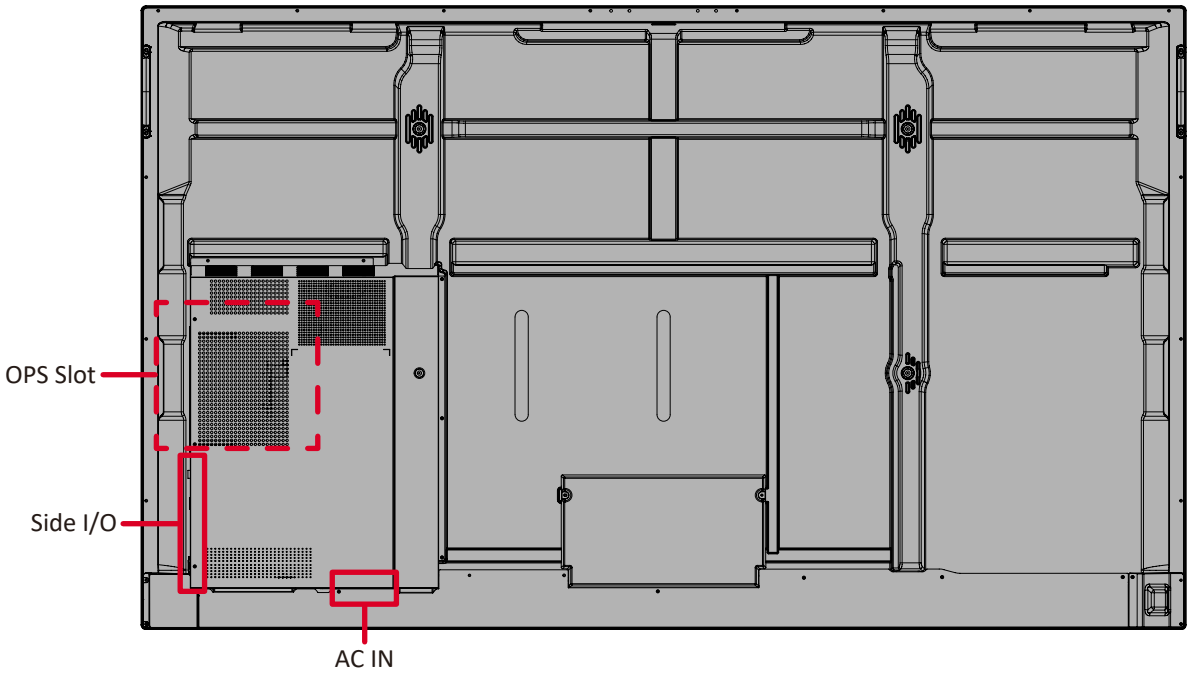


IN7505

Front View

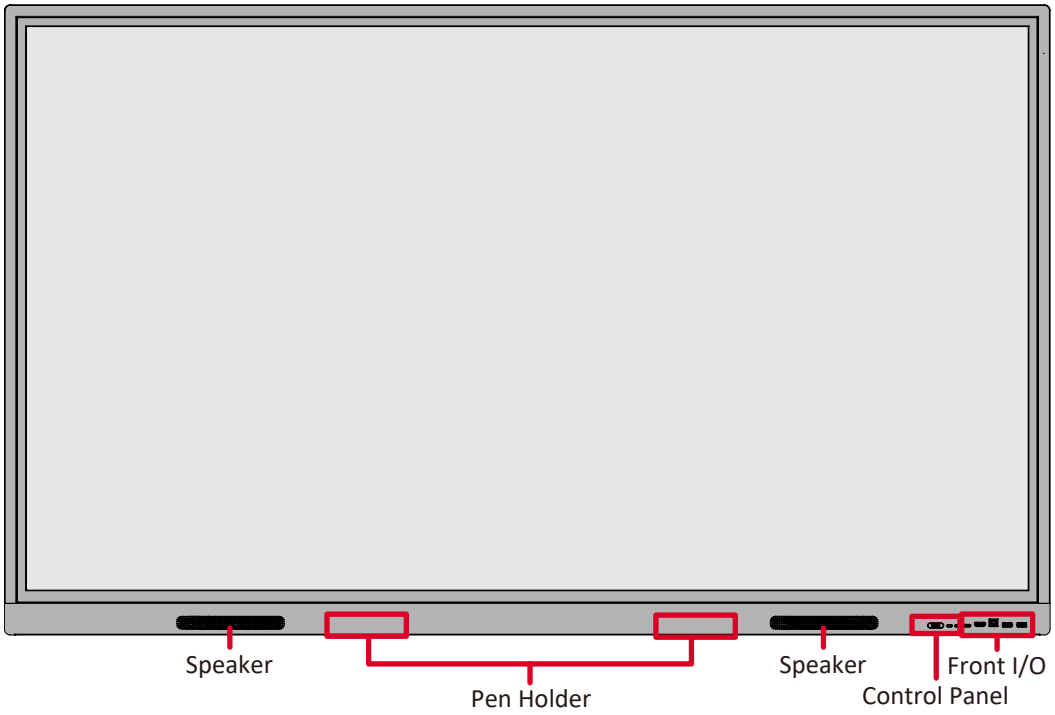


Rear View

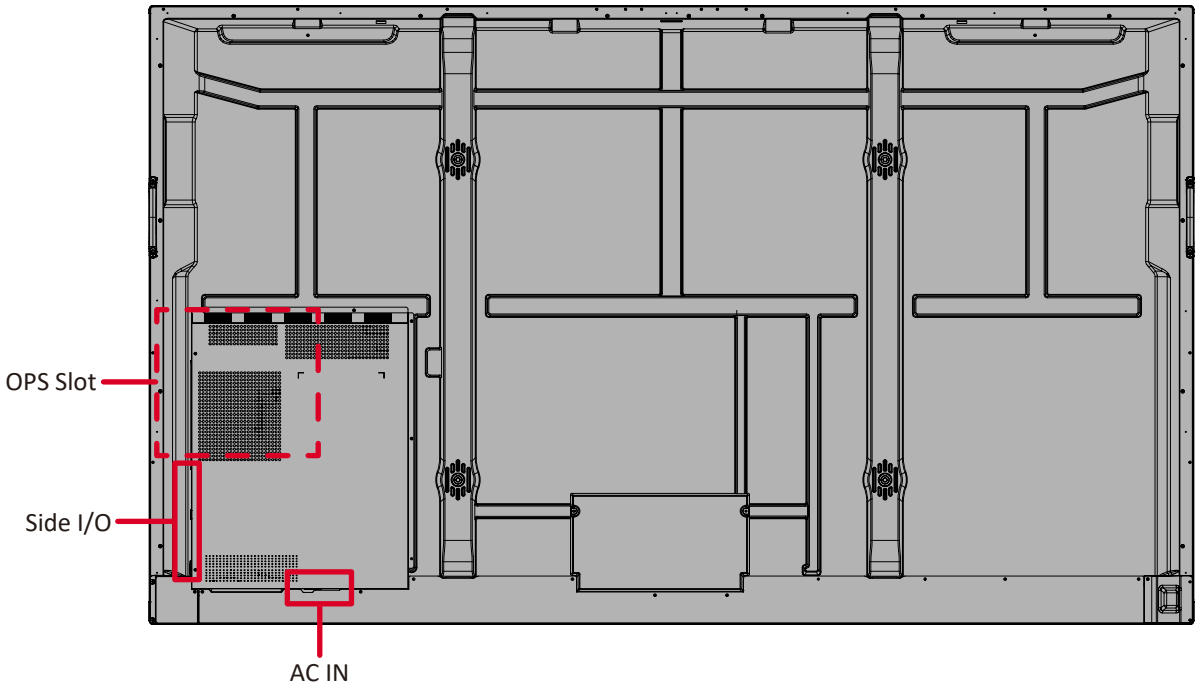


IN8605

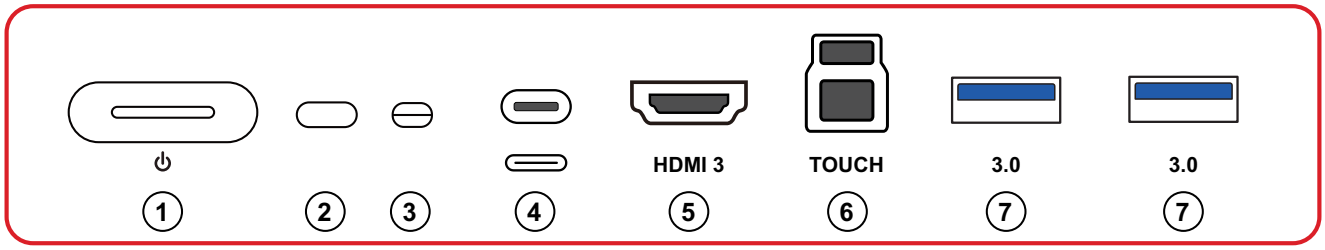
Front View

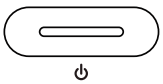


Rear View

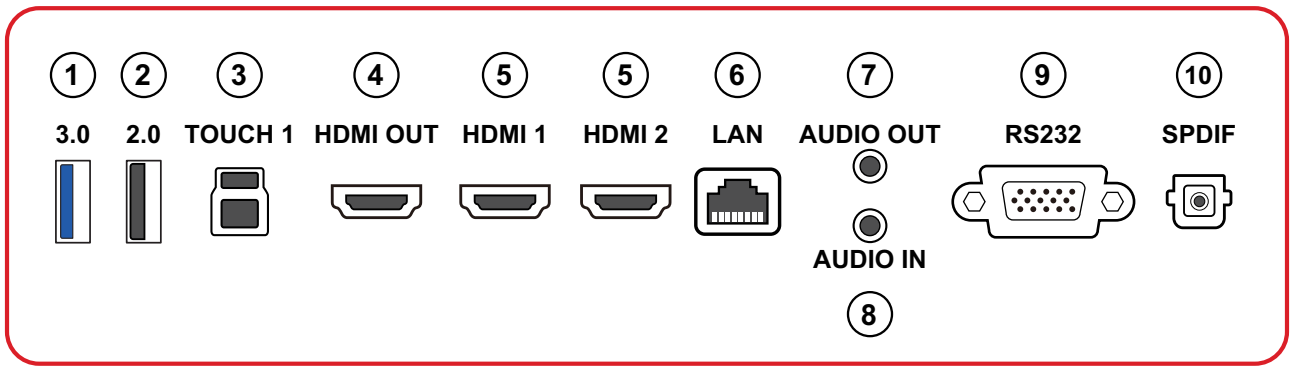


Control Panel and Front I/O



Number	Item	Description
1		• Power indicator light. • Press to turn on the display. • Once on, press again to turn on or off the backlight only. • Once on, press and hold to turn off the display.
2		Remote control receiver.
3		Ambient light sensor.
4		• USB Type C. • USB 3.2 standard. • Connect USB devices such as hard disks, keyboard, mouse, etc.
5	**HDMI 3**	• HDMI input. • Connect to a computer with HDMI output, set-top box, or other video device. • Supports 4K display; HDMI 2.0. **Note:** PD power supply, extended screen and touch back functionality are not supported.
6	**TOUCH**	• USB Type B. • USB 2.0 standard. • Touch signal output to external computer. • After connection (with an external computer), the device connected to the USB Type A port can directly be used by the external computer. • Pairs with the front **HDMI** port next to it.
7	**3.0**	• USB Type A. • USB 3.2 standard. • Connect USB devices such as hard disks, keyboard, mouse, etc.

Side I/O



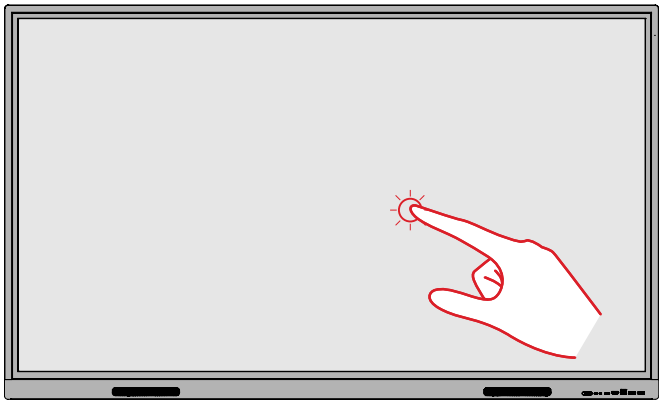
Number	Item	Description
1	3.0	• USB Type A. • USB 3.0 standard. • Connect USB devices such as hard disks, keyboard, mouse, etc.
2	2.0	• USB Type A. • USB 2.0 standard. • Connect USB devices such as hard disks, keyboard, mouse, etc.
3	TOUCH 1	• USB Type B. • Touch signal output to external computer. • After connection (with an external computer), the device connected to the USB Type A port can directly be used by the external computer. • Pairs with the **HDMI 1/2** port next to it.
4	HDMI OUT	• Extend content out to another display device. • Supports 1920 x 1080 display.
5	HDMI 1/2	• HDMI input. • Connect to a computer with HDMI output, set-top box, or other video device. • Supports 4K display; HDMI 2.0.
6	LAN	• Standard RJ45 (10M/100M/1000M) internet. • Shared with slot-in PC.
7	AUDIO OUT	• Audio output to an external speaker/headset
8	AUDIO IN	• External computer audio input.
9	RS232	• Serial interface; used for mutual transfer of data between devices
10	SPDIF	• Multichannel sound via optical signals.

Using Gestures

Touch gestures allow the user to use pre-determined commands without using a keyboard or mouse. Using gestures on the ViewBoard, the user can select/deselect objects, change the location of an object, access settings, erase digital ink, and much more.

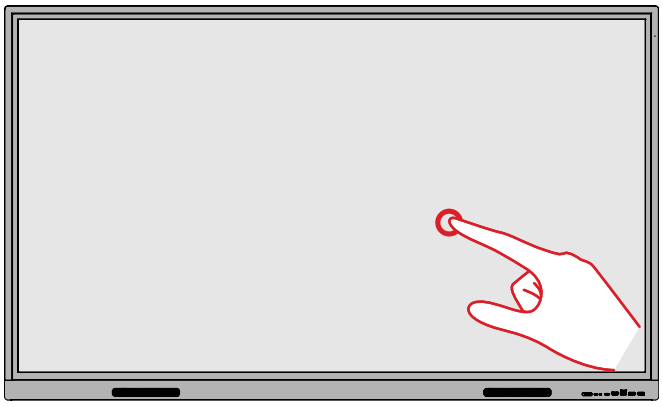
Select and Deselect an Object (Clicking)

Press and release the ViewBoard to select/deselect options or objects. This is like a single, standard left mouse click.



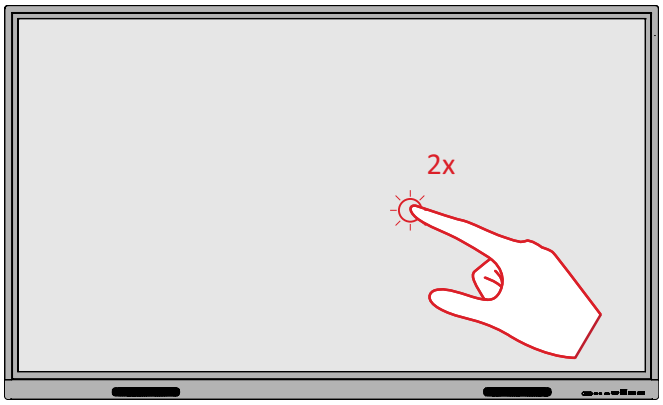
Display Menu Options (Right-Clicking)

Press and hold the ViewBoard with your finger. This is like a single, standard right mouse click.



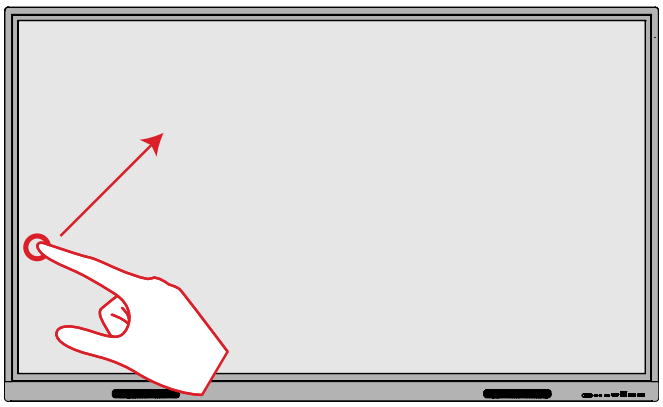
Double-Clicking

Quickly press and release twice in the same location on the ViewBoard. This is like a double, standard left mouse click.



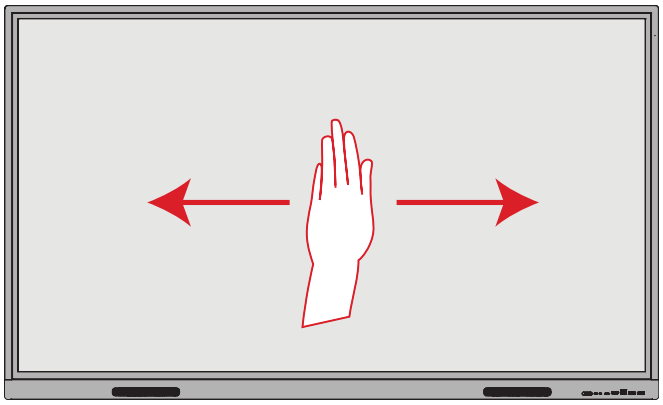
Moving an Object

Press and hold the object on the ViewBoard and slowly drag it with your finger to your desired location.



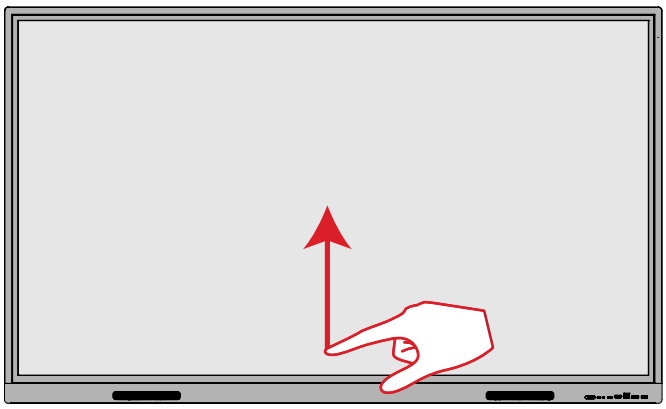
Erasing Digital Ink

Use your flattened hand, palm, or fist on the ViewBoard and move your hand across the area which you wish to erase.



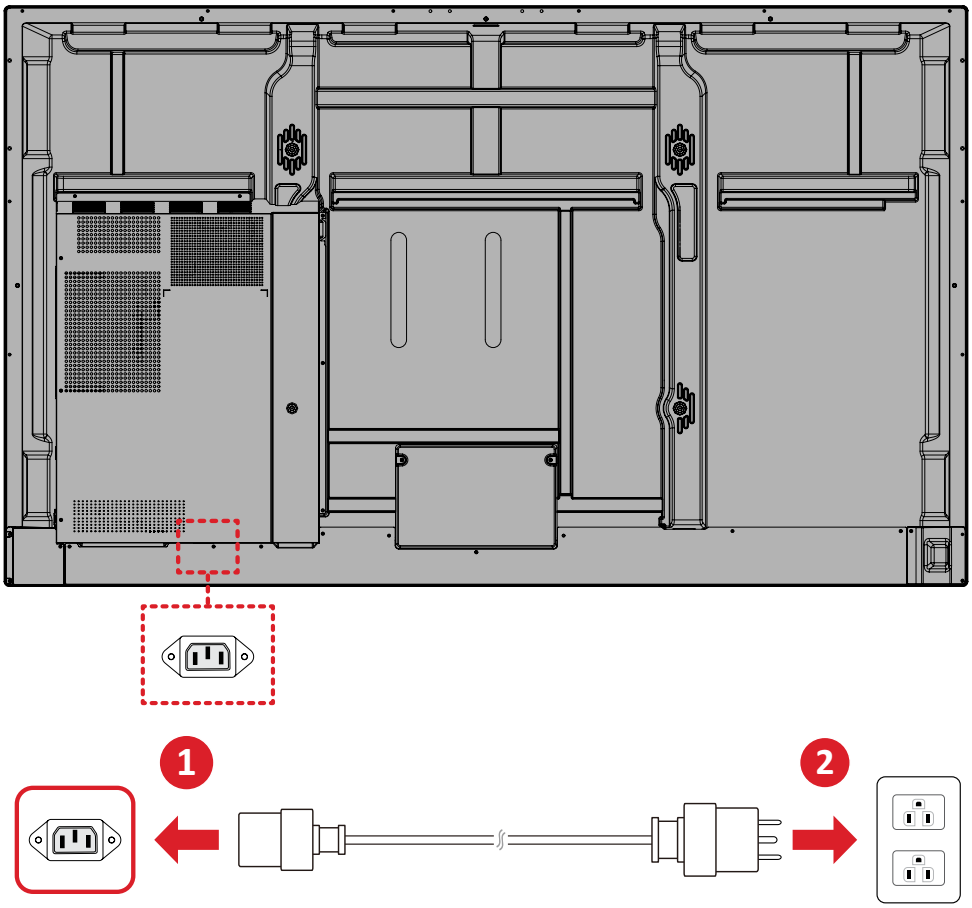
Swipe Up for General Settings

Swipe up from the bottom of the ViewBoard to launch the General Settings.



Making Connections

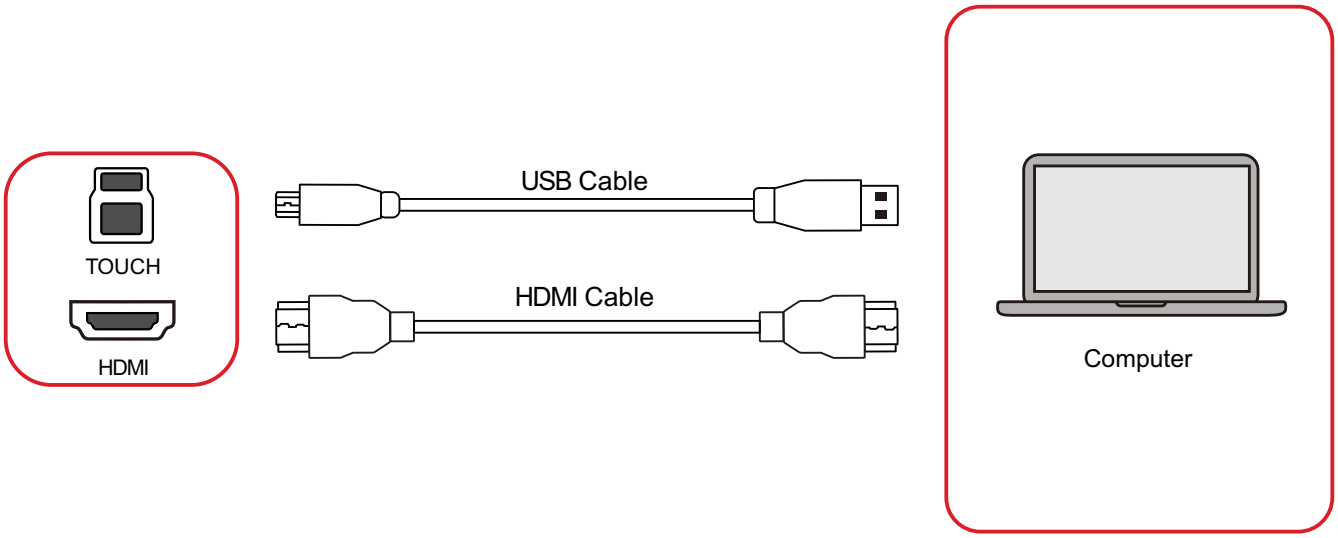
Connecting to Power



1. Connect the power cord to the **AC IN** jack at the rear of the display.

2. Plug the power cord plug into a power outlet.

Connecting to External Devices and Enabling Touch



1. Connect an HDMI cable from your external device to the **HDMI** port on the display.
2. Connect a USB Type B to A cable to the external device from the appropriate **TOUCH** port of the display.

TOUCH Port	Controls
TOUCH	**HDMI 3**
TOUCH 1	**HDMI 1/HDMI 2**

RS-232 Connection

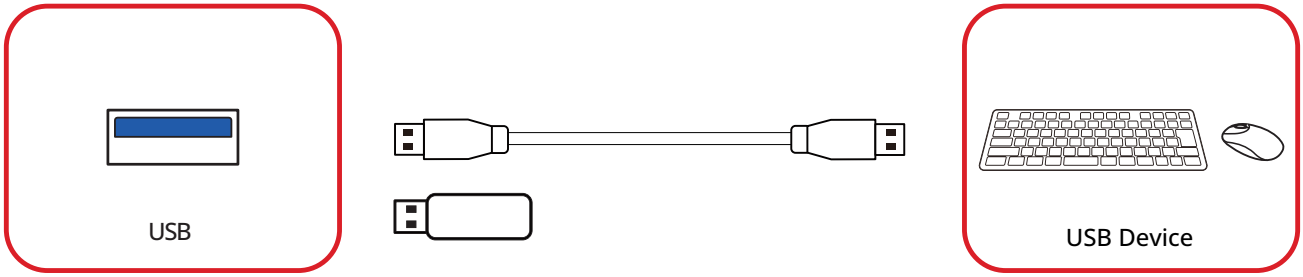


When you use a RS-232 serial cable to connect the display to an external computer or control system, certain functions can be controlled remotely such as: power on and off, volume adjustment, input select, brightness, and more.

USB Connection

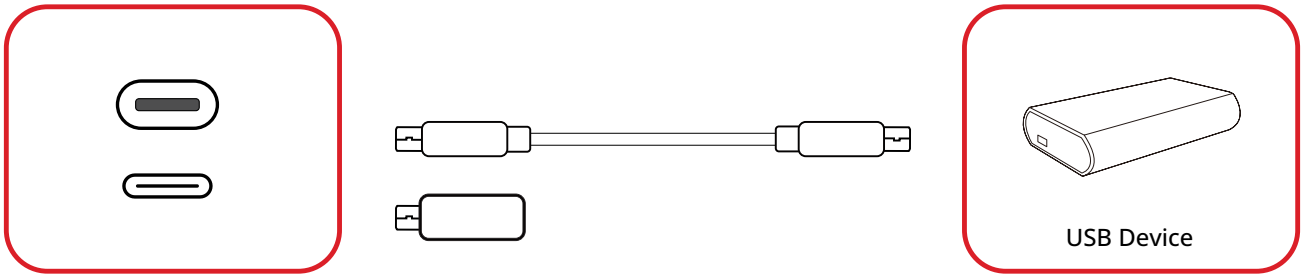
Just like any PC, it is easy to connect various USB devices and other peripherals to the display.

USB Type A



Plug the USB device or storage drive into a USB Type A port of the display.

USB Type C



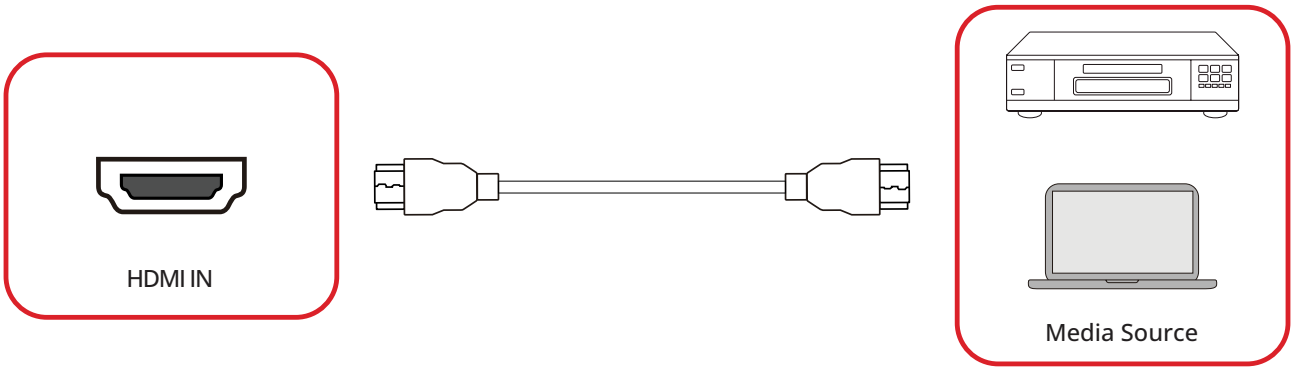
Plug the USB device or storage drive into a USB Type C port of the display.

Network Connection



To connect to a local network, connect an Ethernet cable to your network, then connect the other end to a **LAN** port of the display.

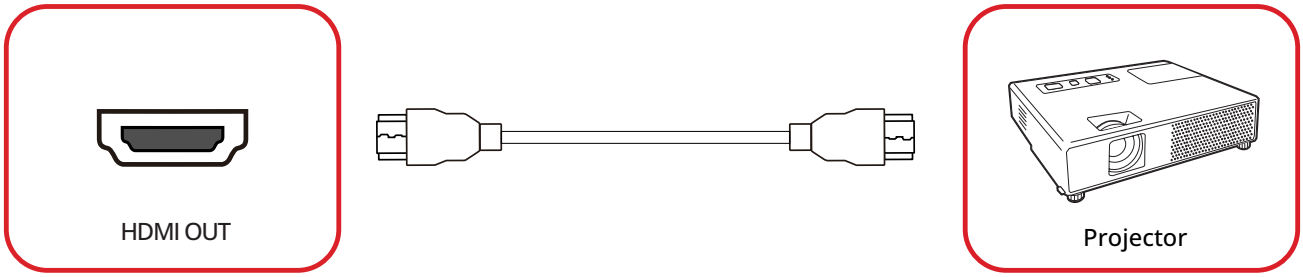
Media Connection



To connect to a media source:

1. Connect an HDMI cable to a **HDMI** port on the display and peripheral device.
2. Press the **INPUT** button on the remote control and switch to the HDMI input source.

Video Output



Connect an HDMI cable to the HDMI IN port of your display device, then connect the other end to the **HDMI OUT** port of the display.

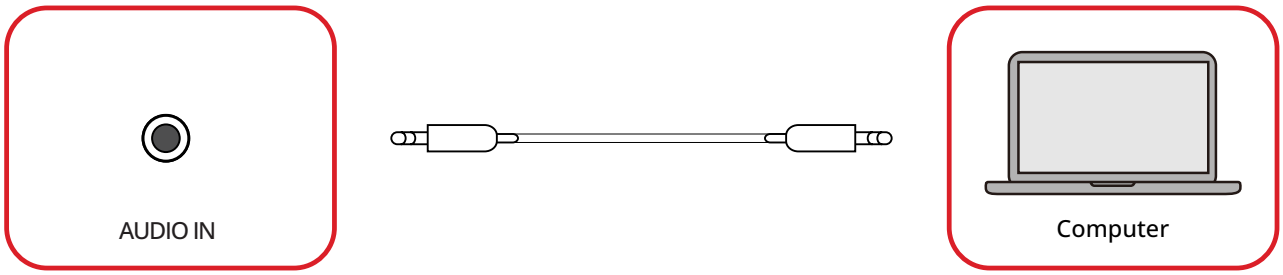
Note: The **HDMI OUT** output signal is 3840 x 2160 @ 60 Hz.

Audio Connection

The display supports **Audio In**, **Audio Out**, and **SPDIF**.

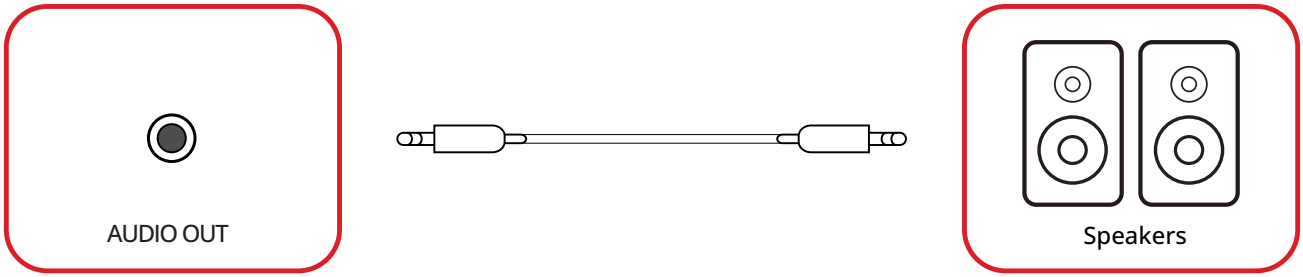
Audio In

To play audio from your external device through the display's speakers, connect one end of an audio cable to your external device, and the other end to the display's **AUDIO IN** port.



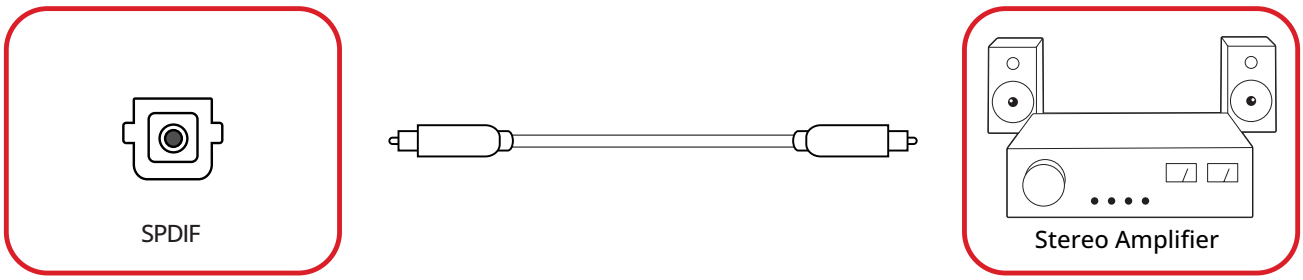
Audio Out

To play audio from the display through an external speaker, connect one end of an audio cable to the external speaker, and the other end to the display's **AUDIO OUT** port.



SPDIF Connection

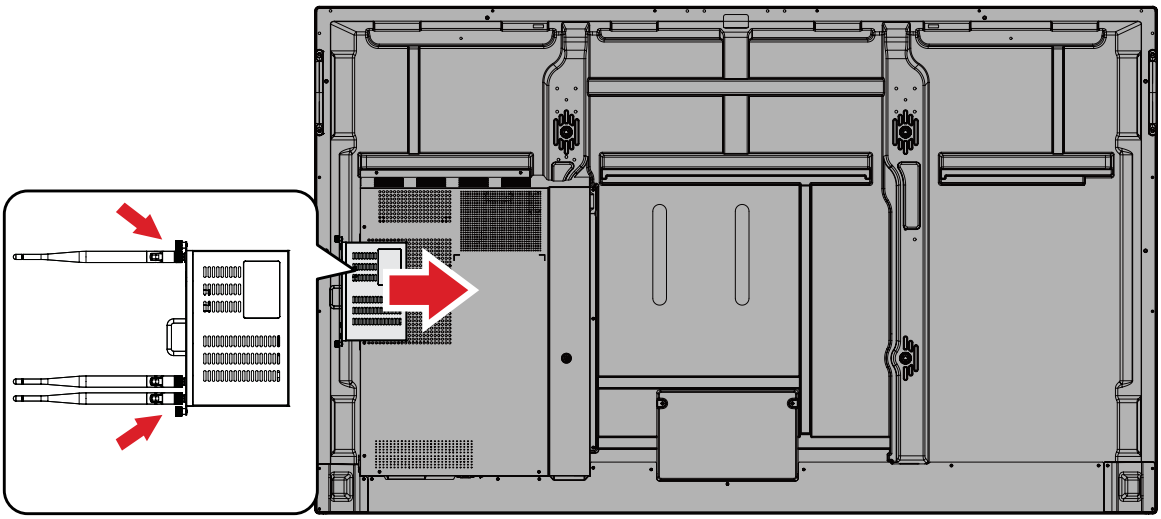
To connect to an external sound system, connect an optical cable from the display's **SPDIF** port to your sound system's optical connector.



Optional Connections

The display comes with an **OPS Slot** for an optional add-on such as a slot-in PC.

Slot-in PC (OPS Slot) Installation

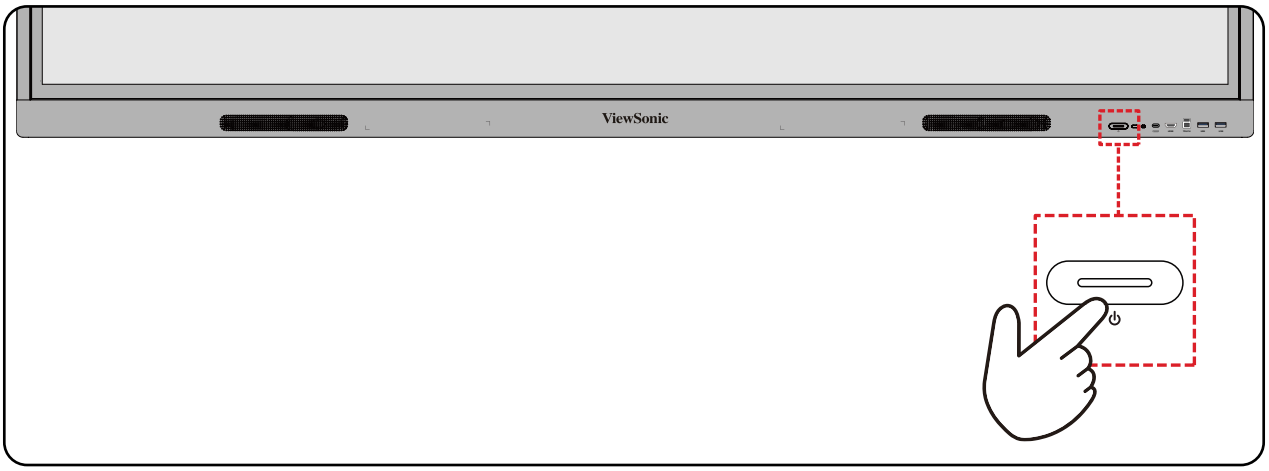


1. Carefully insert the slot-in PC into the **OPS Slot** of the display.
2. Secure the slot-in PC to the display.

Using the Display

Turning On/Off the Display

1. Make sure the power cord is connected and plugged into a power outlet.
2. Press the **Power** button to turn on the display.

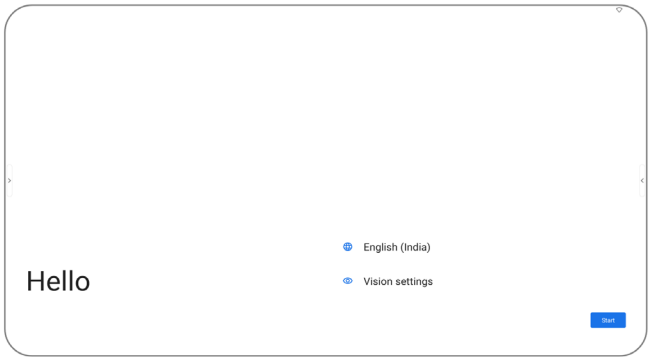


3. To turn the display off, press and hold the **Power** button.

Initial Launch Setup

When you first turn on the display, an initial setup wizard will launch.

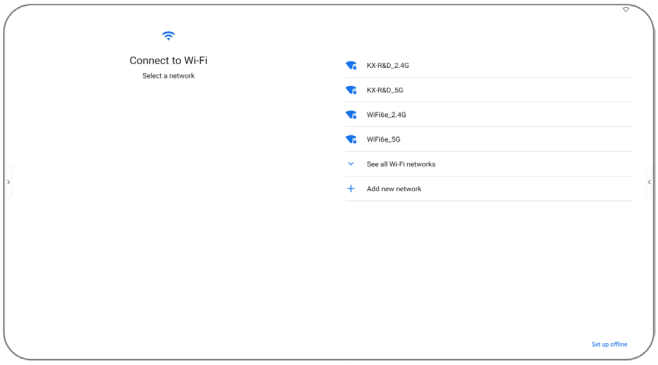
1. Choose your preferred Language.



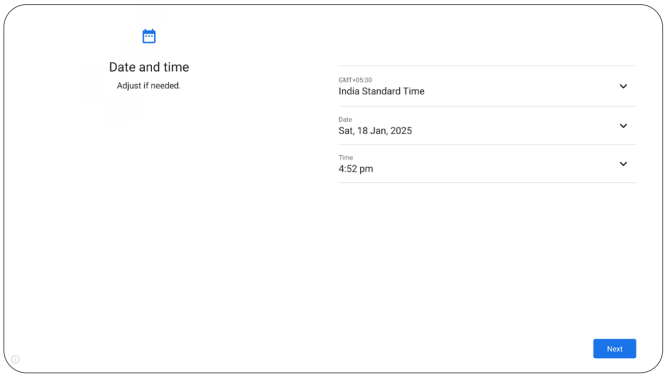
2. Setup and connect to a network.



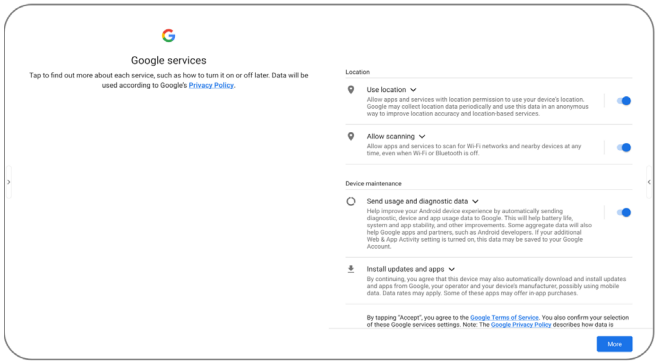
3. (Optional) When the following screen appears, please select the back icon in the sidebar.



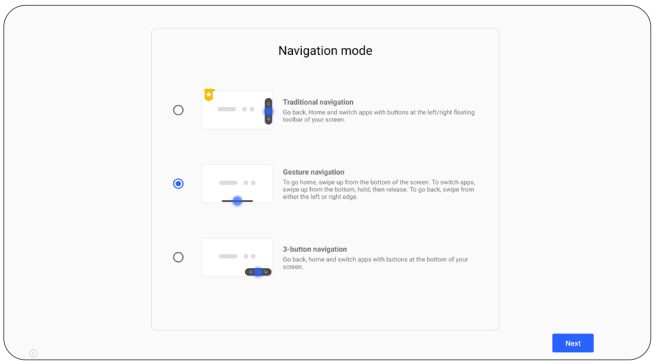
4. Set the Date and time.



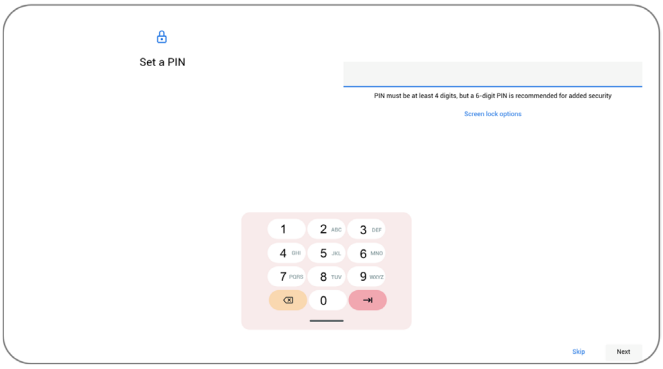
5. Accept or decline Google services.



6. Select a Navigation mode.

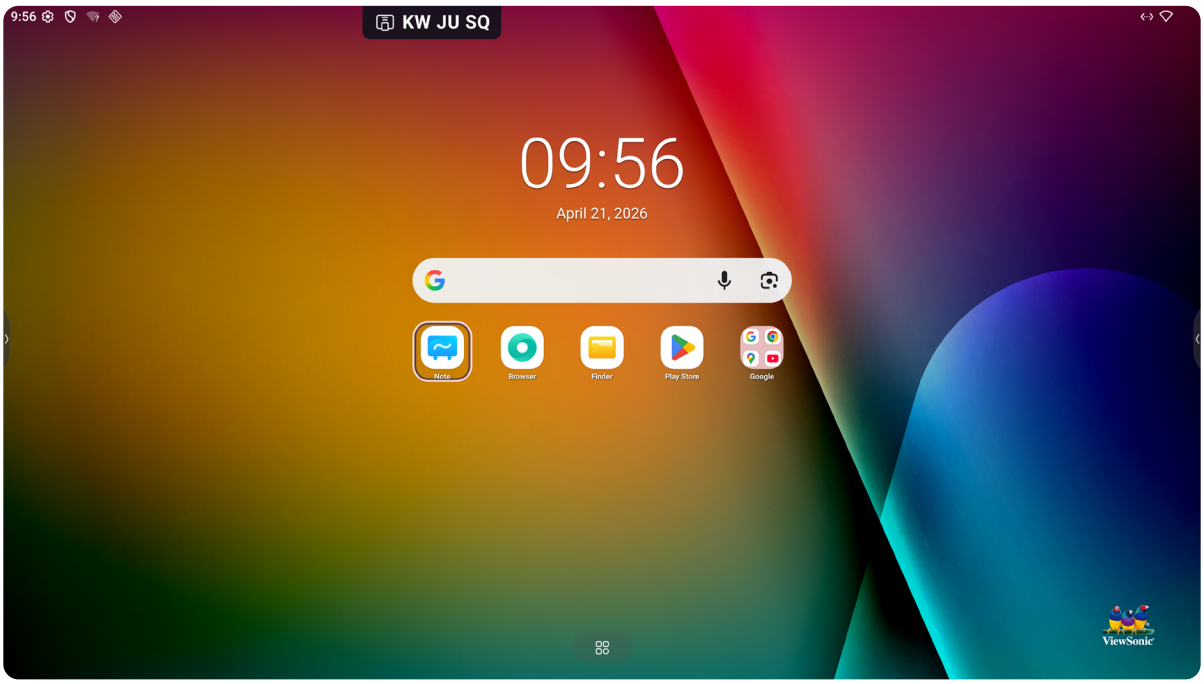


7. Set a PIN to setup a screen lock, or select **Skip** to continue without setting one.



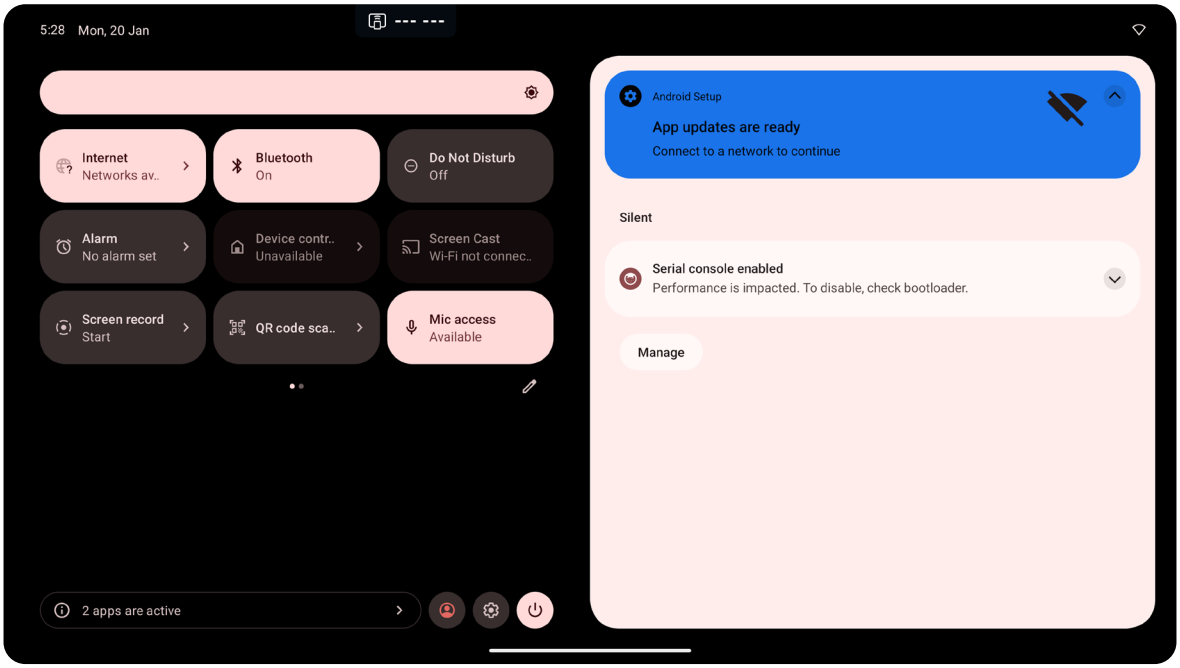
Home Screen

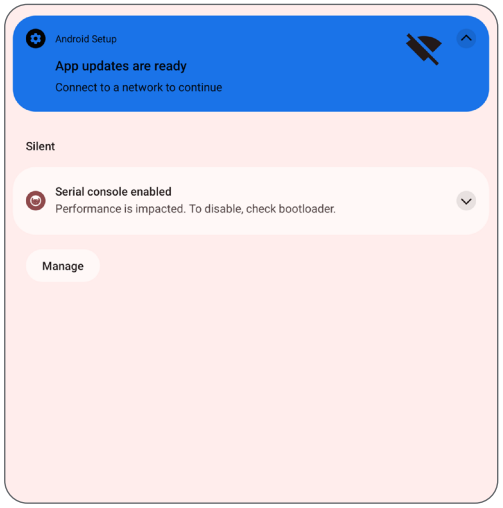
After the display is turned on and setup, the Home Screen will load.



Item	Description
Note	Digital whiteboarding application.
Browser	Web browser for surfing the Internet.
Finder	Takes you to the file manager.
Play Store	Google’s official online application store.
Google	Google’s applications folder.

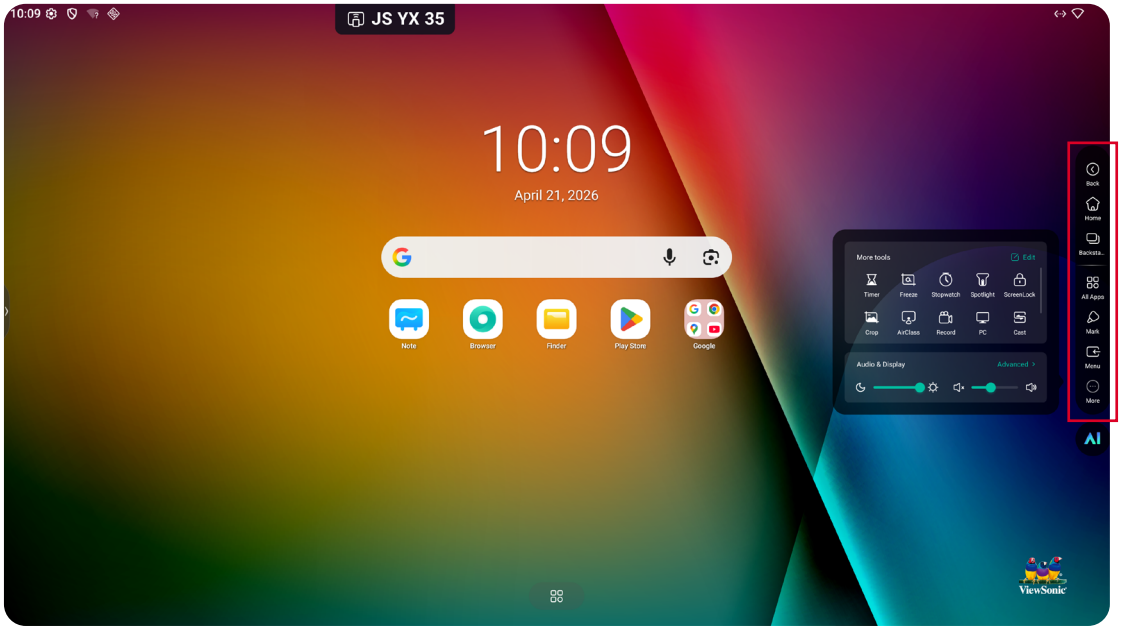
Control and Notification Panel



Item	Description
Control Panel	Access frequently used settings and tools.
Notification Panel	Receive and manage system and application notifications. 

Toolbar

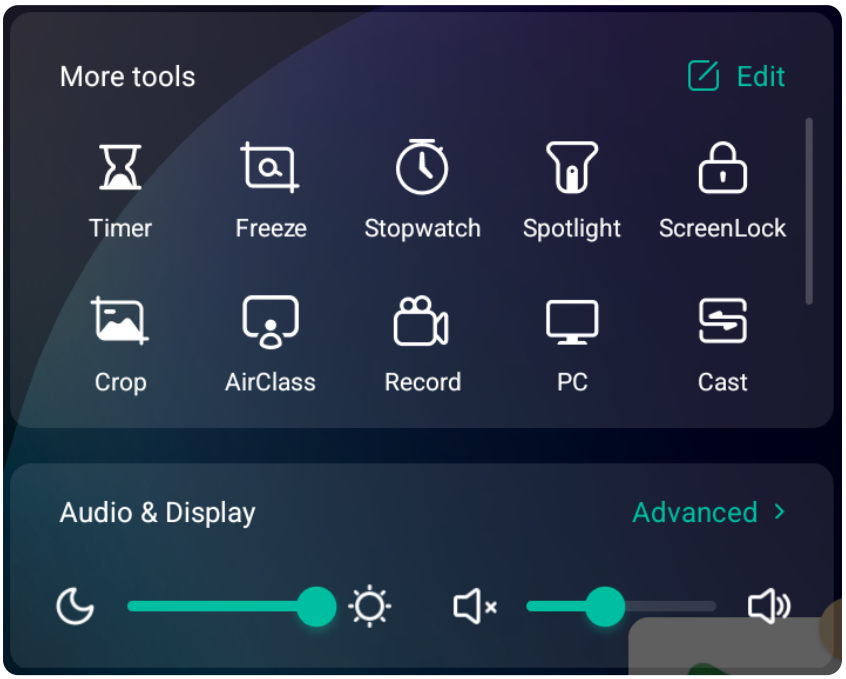
The Toolbar is where your applications and tools can be found. Trigger icons are on the edge of the launcher for quick access.



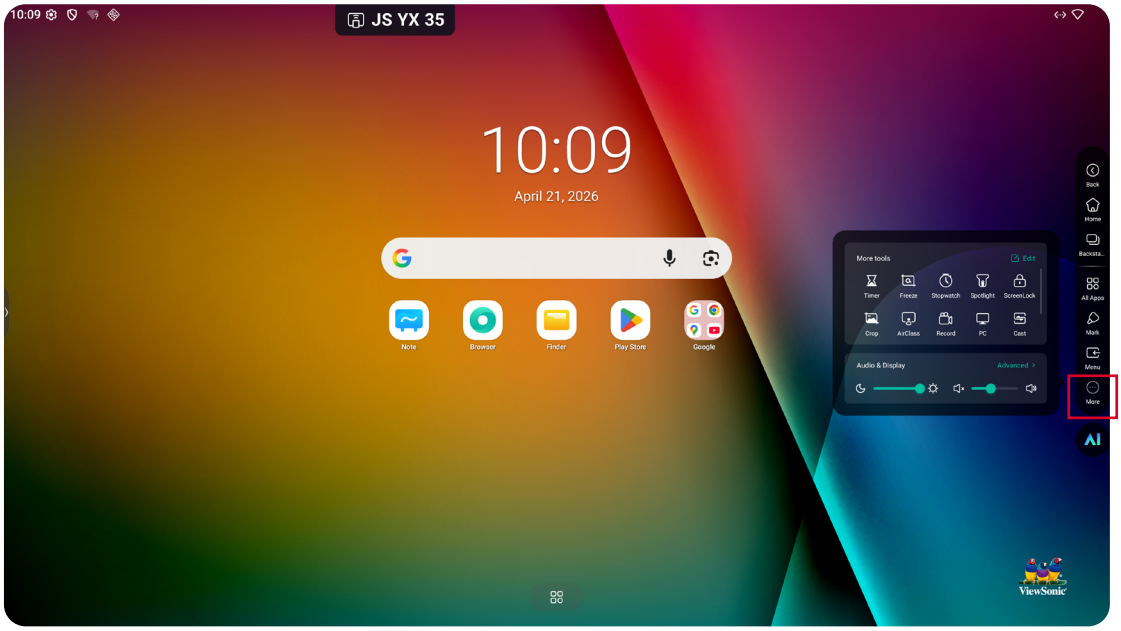
To launch an application or tool:

1. Select a Toolbar trigger icon.
2. Select the application or tool icon.

Item	Description
 **Back**	Return to the previous operation screen. **Note:** Only for the ViewBoard source.
 **Home**	Return to the Home Screen.
 **Backstage**	Display all applications that are currently open.
 **All Apps**	View all installed applications.

Item	Description
 **Mark**	Annotate the overlay of any input source.
 **Menu**	Access the General Settings and select the input source.
 **More**	Access frequently used applications, settings, and tools.  **Note:** The screen brightness and volume can be adjusted here.
	Open the **Bytello AI** action sheet. **Note:** For more information about Bytello AI, see “Bytello AI”.

More Tools



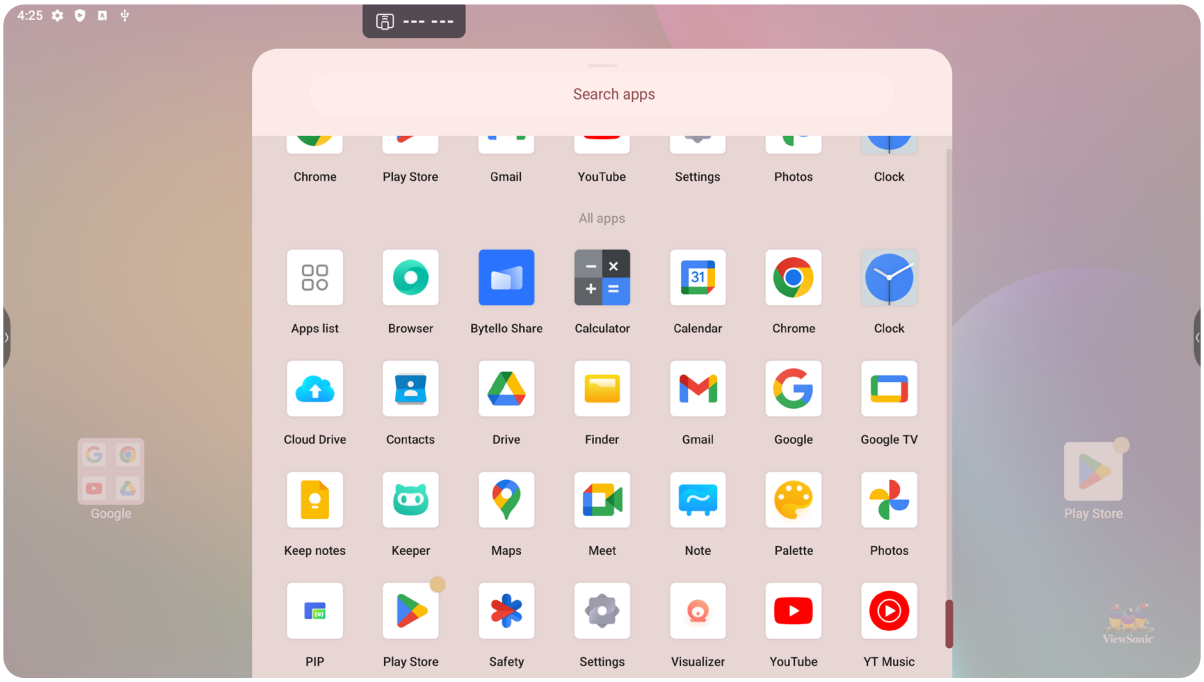
Item	Description
 **Timer**	A countdown timer with an optional alarm setting. Touch and swipe to adjust the numeric values, then click Start. At any time, the countdown timer can be paused, resumed, or reset.
 **Freeze**	Convert the currently displayed content into a still image; then you can zoom in, zoom out, go back to full screen, and exit.
 **Stopwatch**	Tapping Start will initiate the stopwatch. At any time, the stopwatch can be paused, resumed, split, or reset.
 **Spotlight**	Concentrates the screen backlight in a designated area and the rest is dark. You can adjust the size of the spot area, or adjust the darkness of the rest of the area.
 **Screen Lock**	Lock the display's screen for added security.
 **Crop**	Take a screenshot of the current screen and resize.

Item	Description
 **AirClass**	Set voting topics for discussion. **Note:** AirClass requires a network connection to be used.
 **Record**	Record, view, and save on-screen content.
 **PC**	Switch to the PC input source.
 **Cast**	Receive Bytello Share laptop screens (Windows/Mac/Chrome) and mobile (iOS/Android) users' screens, photos, videos, annotations, and camera(s).
Calculator	Make mathematical calculations.
PIP	Picture-in-Picture. Split the screen into two parts, a main window and an inset window. User can specify the input source for each screen.

Applications

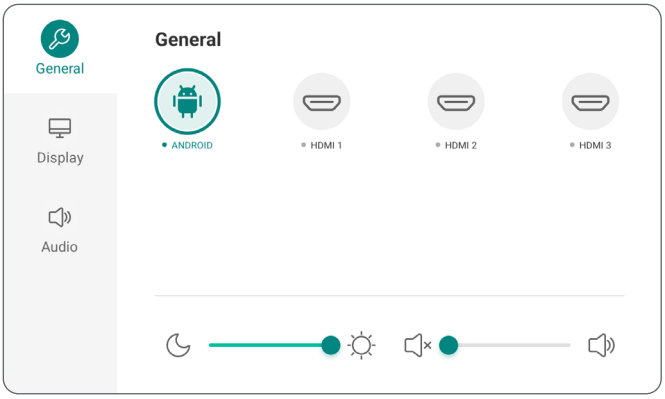
Much like any smart phone or tablet you can install several different applications from the installed Google Play Store.

Applications can be accessed from the Toolbar, directly from the Home Screen, or by selecting the **All Apps** icon.

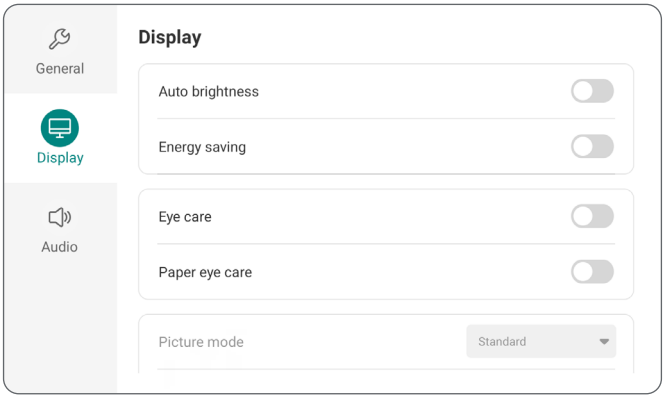


On-Screen Display Menu - General Settings

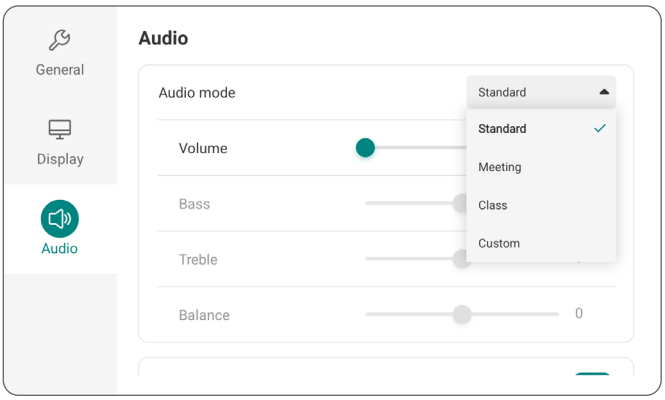
Access **Input**, **Display**, **Audio** and other general settings.



Input Menu

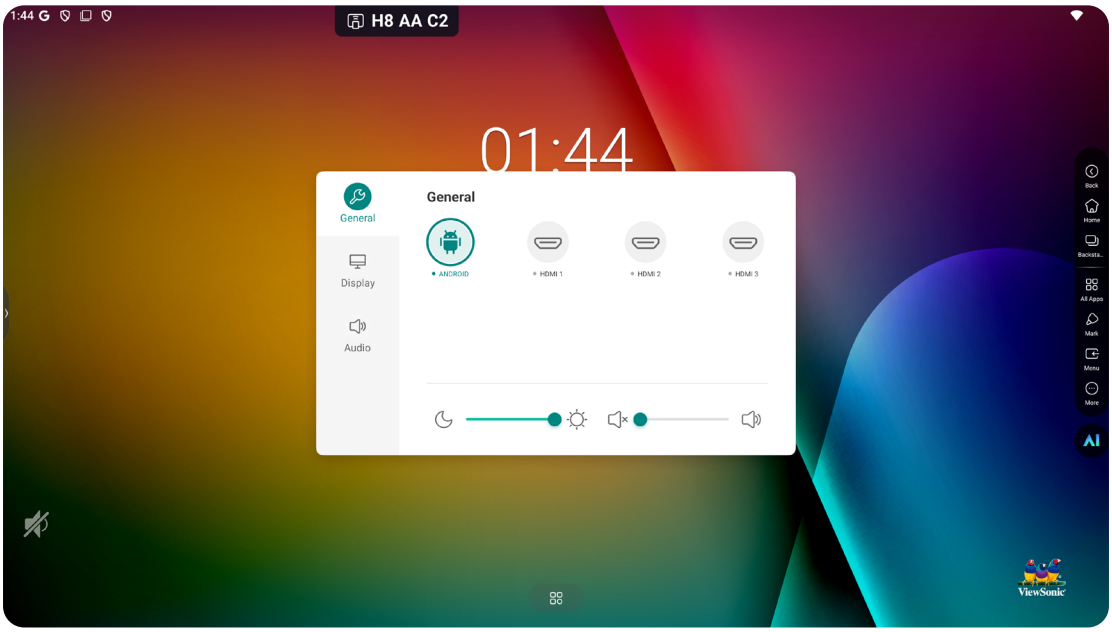


Display Menu

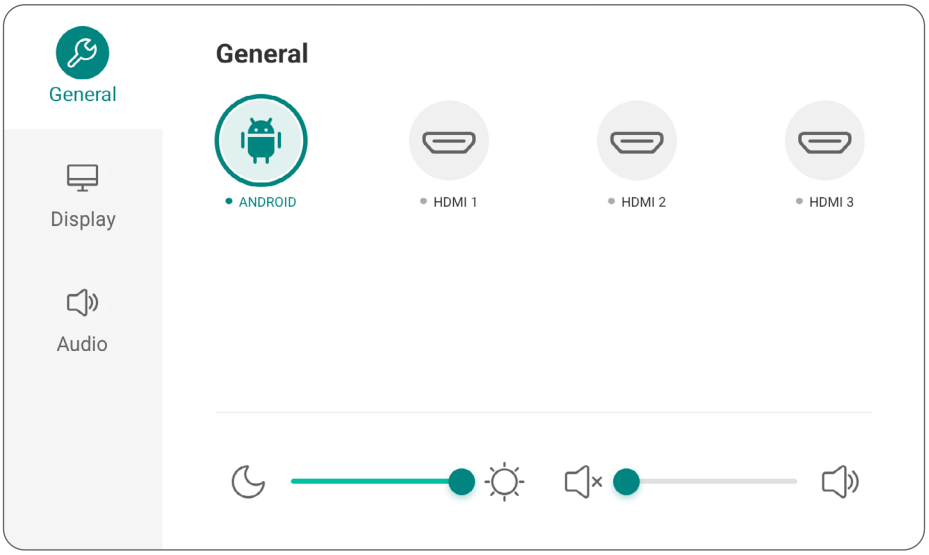


Audio Menu

Open the On-Screen Display Menu by pressing **INPUT** on the remote control or touching the **Menu** icon in the Toolbar.



Input



To select an input source:

1. Press **INPUT** on the remote control or touch the **Menu** icon of the Toolbar to display the Input Settings menu.
2. Press the **Navigation** (↑/↓/←/→) buttons on the remote control to select the input source.

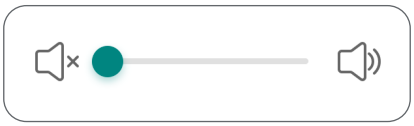
   Note: The PC source will only be visible when a slot-in computer is installed.
3. Press **ENTER** on the remote control, or touch the input source.
4. Press **BACK** on the remote control, or touch a blank area outside of the menu to exit.

To adjust the brightness:



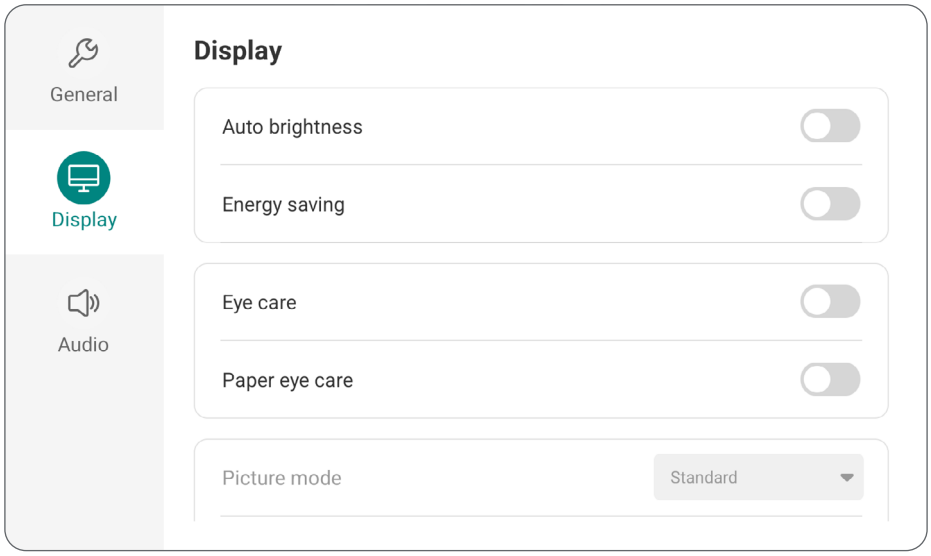
1. Press **INPUT** on the remote control or touch the **Menu** icon of the Toolbar to display the Input Settings menu.
2. Touch and drag the brightness slider directly to adjust the brightness value.
3. Press **BACK** on the remote control, or touch a blank area outside of the menu to exit.

To adjust the volume:



1. Press **INPUT** on the remote control or touch the **Menu** icon of the Toolbar to display the Input Settings menu.
2. Touch and drag the volume slider directly to adjust the value, or press **VOL+**/ **VOL-** on the remote control.
3. Press **BACK** on the remote control, or touch a blank area outside of the menu to exit.

Display



To select an input source:

1. Press **INPUT** on the remote control or touch the **Menu** icon of the Toolbar to display the Input Settings menu. Then select the **Display** tab.
2. Press the **Navigation** (↑/↓/←/→) buttons on the remote control to select the menu option you want.
3. Press **ENTER** on the remote control to confirm or press the **Navigation** (←/→) buttons to adjust the menu option. Additionally, you can directly touch the menu option to make adjustments.
4. Press **BACK** on the remote control, or touch a blank area outside of the menu to exit.

Display Menu Options

Item	Description	
Auto Brightness	Automatic brightness adjustment. Adjusts maximum brightness according to the ambient light levels.	
Energy Saving	Enable to reduce power consumption.	
Eye Care	Reduce blue light to help ease eye strain and improve viewing comfort.	
Paper Eye Care	Simulate the appearance of ink on paper with adjustable transparency to help ease eye strain and improve viewing comfort during extended use.	
Picture Mode	Select a predefined picture setting.	
	Standard	Default picture mode.
	Bright	Maximizes the brightness of the display. This mode is suitable for environments where extra-high brightness is required (e.g., well-lit rooms).
	Soft	A high brightness level with lower contrast level.
	Custom	Customize the picture settings.
Color Temperature	Select or customize color temperature values.	
Advanced Settings	Color Space	Select a color space: sRGB, AdobeRGB, Display-P3, DCI-P3, BT2020, or Standard.
	HDMI Range	Adjust the HDMI color range (Auto, Limited, or Full) to match the connected device's output.
	Pixel Shift	Reduce the possibility of screen burn-in. This setting allows the user to program the time between movements of the picture in minutes. **Note:** Not available for Android setting.
	Dynamic Contrast (DCR)	Automatically detects the image signal and intelligently controls the backlight brightness and color to improve on the ability to make the black blacker in a dark scene, and make the white whiter in a bright environment.

Low Blue Light Filter and Eye Health

The low blue light filter blocks high-energy blue light for a more comfortable viewing experience.

Calculating Breaks

When viewing screens for extended periods, it is recommended to take periodic breaks from viewing. Short breaks of at least 10 minutes are recommended after one hour of continuous viewing.

Taking shorter, more frequent breaks are generally more beneficial than longer, less frequent breaks.

Focus Fatigue (20-20-20 Rule)

To reduce the risk of eye fatigue by constantly looking at the screen, look away from the screen at least every 20 minutes and gaze at a distant object (at least 20 feet away) for at least 20 seconds.

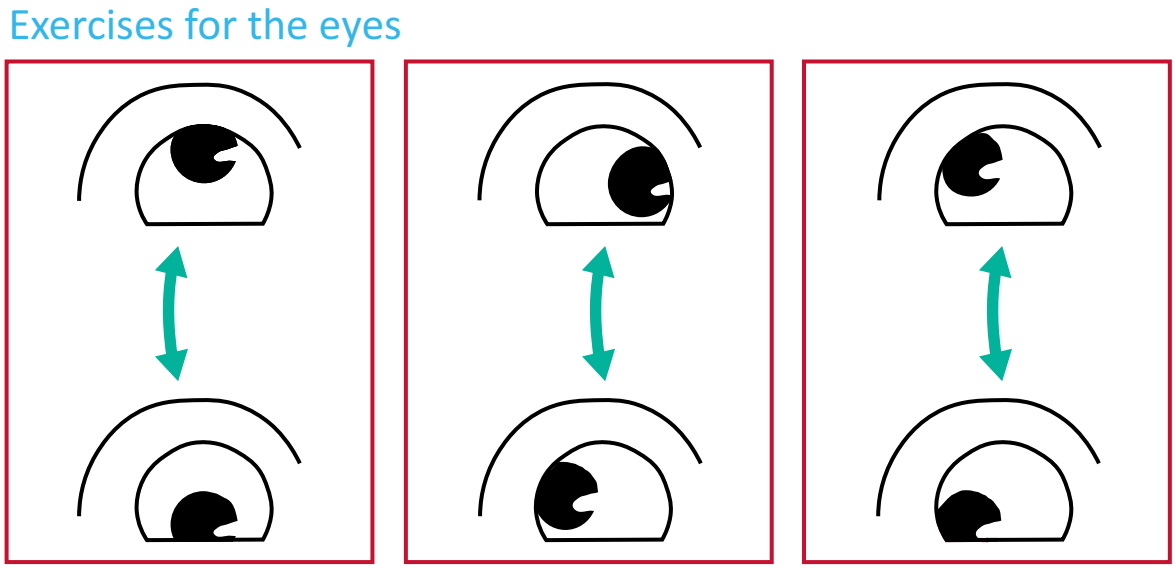
Looking at Distant Objects

While taking breaks, users can further reduce eye strain and dryness by focusing on objects that are further away from them for 10-15 seconds, then gaze at something up close for 10-15 seconds. Repeat this up to 10 times. This exercise reduces the risk of your eyes' focusing ability to "lock up" after prolonged computer work.

Eye and Neck Exercises

Eye Exercises

Eye exercises can help minimize eye strain. Slowly roll your eyes to the left, right, up, and down. Repeat as many times as needed.



(1) Keep the body and the head upright. Move the eyes up to look at the ceiling, then turn down to look at the floor.

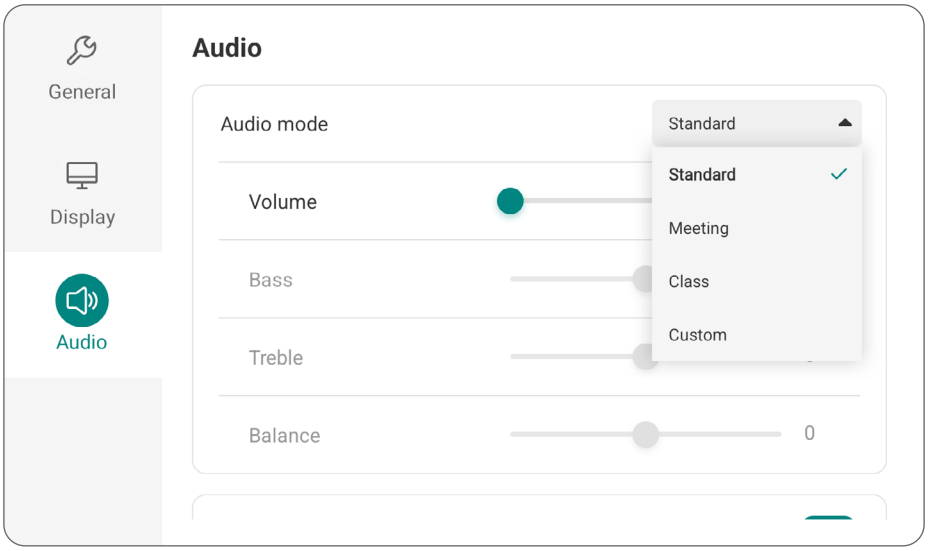
(2) Move the eyes left and right slowly to look at objects on the two sides.

(3) Move the eyes to look at objects at the right upper direction and then right lower direction. Repeat for the left upper and left lower directions.

Neck Exercises

Neck exercises can also help minimize eye strain. Relax your arms and let them hang at your sides, bend forward slightly to stretch the neck, turn your head to the right and to the left. Repeat as many times as needed.

Audio



To select an input source:

1. Press **INPUT** on the remote control or touch the **Menu** icon of the Toolbar to display the Input Settings menu. Then select the **Audio** tab.
2. Press the **Navigation** (↑/↓/←/→) buttons on the remote control to select the menu option you want.
3. Press **ENTER** on the remote control to confirm or press the **Navigation** (←/→) buttons to adjust the menu option. Additionally, you can directly touch the menu option to make adjustments.
4. Press **BACK** on the remote control, or touch a blank area outside of the menu to exit.

Audio Menu Options

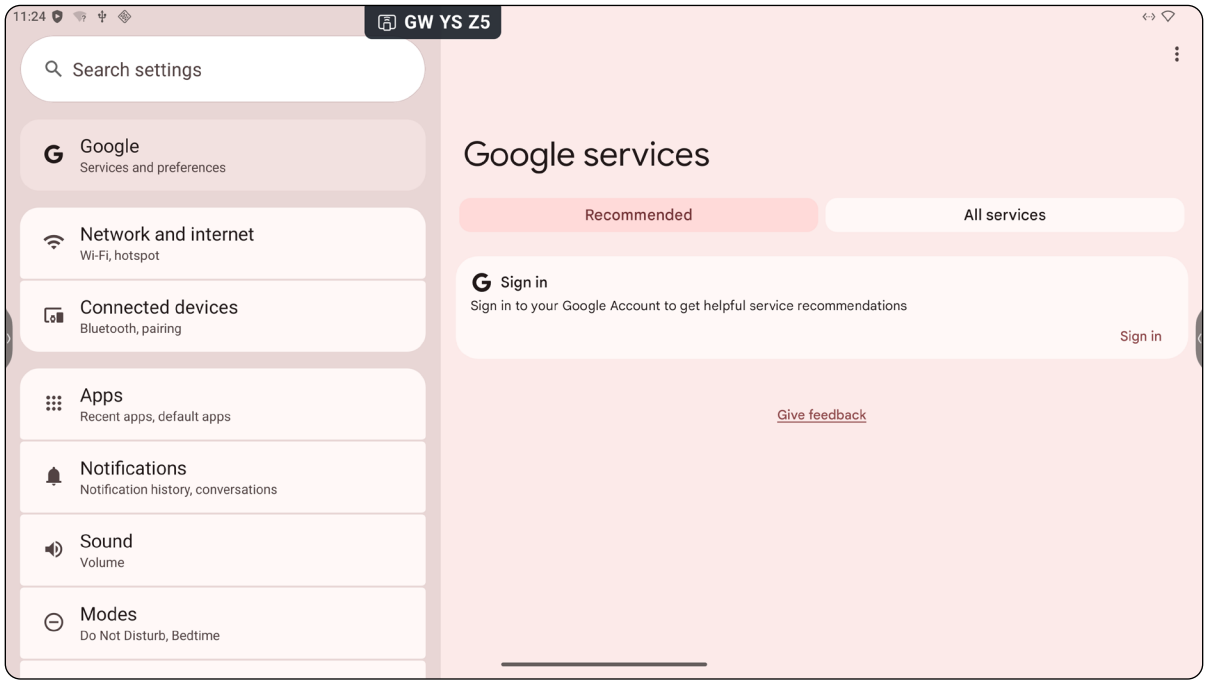
Item	Description	
Audio Mode	Select a predefined audio setting.	
	Standard	Default audio mode.
	Meeting	Ideal for meetings. Higher bass, lower treble levels.
	Class	Ideal for the classroom. Lower base and treble levels.
	Custom	Customize the audio settings.
Volume	Increase or decrease the display's volume level.	
Bass	Increase or decrease the bass level (lower-pitched sounds).	
Treble	Increase or decrease the treble level (higher-pitched sounds).	
Balance	Adjust the left/right speaker balance.	
Mute	Turn mute on or off.	

Display Settings

Google Launcher

Google

Review Google services and set up preferences.

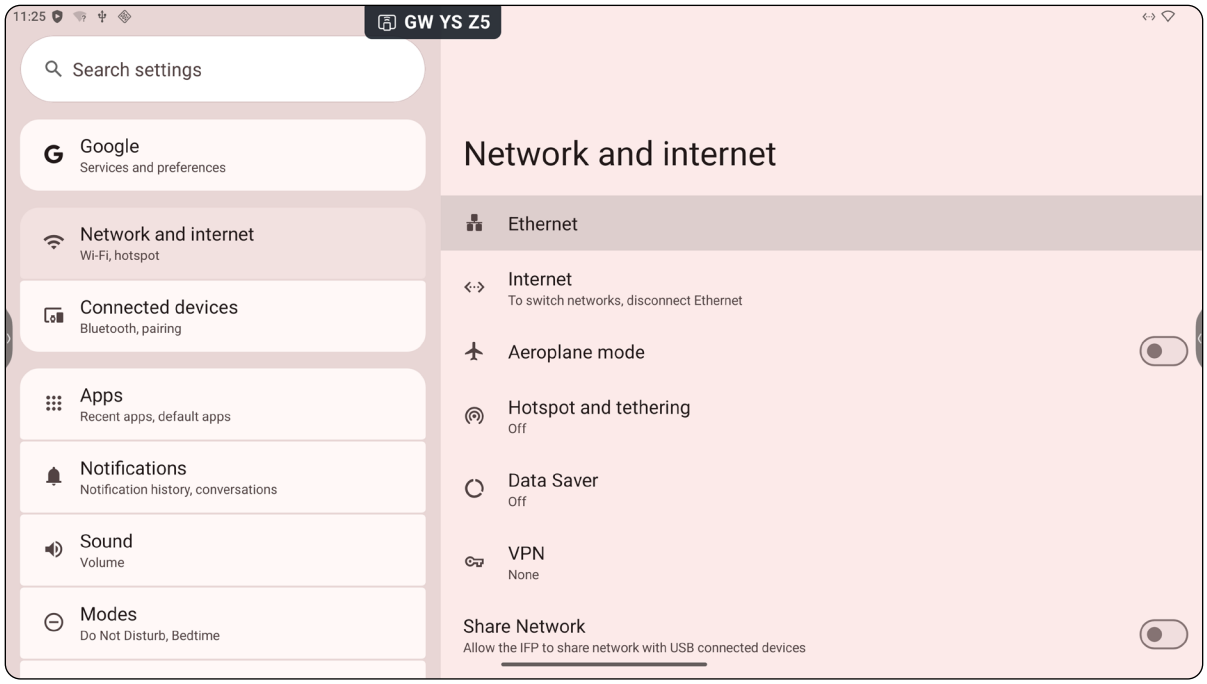


Item	Description
Cast Option	Cast wirelessly the connected device' screen or media content to the display.
Cross-device services	Share data across all Android devices signed into the same Google account.
Devices	Manage the paired Bluetooth peripherals.
Quick Share	Send or receive photos or other document with nearby compatible devices.
Thread networks	Manage a wireless Thread mesh network with smart home devices securely.
Ads	Manage your advertising ID and preferences.
Location accuracy	Detect your location more precisely by using Wi-Fi, mobile network, and sensor with GPS.
Personalize using shared data	Allows Google applications to use on-device data to personalize more relevant recommendations.
Usage and diagnostics	Improve system performance by anonymously sharing app diagnostic and usage data with Google.
Autofill with Google	Fill in forms or sign in securely with saved passwords, addresses, and payment methods.

Item	Description
Passkeys and devices	Manage passwordless keys and authorized devices for more secure authentication.
Verification codes by SMS	Enter automatically multi-factor authentication codes from text messages.
Connected apps	Manage third-party applications that have access to your Google account.
Google Fit	Set up your Google account for your health and fitness data.
Google Play Instant	Try applications or games without installing them.
Google Wallet	Make wireless payments with your default cards.
Search, Assistant & Voice	Customize settings for Google Search, voice commands, and Google assistant.
Backup	Store a copy of your information and settings to the cloud.
Google Contact sync	Keep your contact up to date and backed up across all your devices.
Pair with iPhone or iPad	Search for and connect to an iOS device.
Restore contacts	Recover contact information from your backups.
Set up by nearby device	Set up your device by transferring credentials and account settings from another nearby Android device.
Family Group	Create and manage a group to share Google services, subscriptions, and purchases with your family members.
Parental controls	Set screen time limits and content filters for children via the Google Family Link application.
Advanced Protection	Protect your device and data against malware and unauthorized access when turned on.
Find Hub	Locate and secure connected devices and peripherals via the Find My Device network.
Sensitive content warnings	Detect and blur automatically explicit images before they are viewed.
Set up your work profile	Create a secure workspace to separate work applications and data from personal ones.

Network and Internet

Check current connection status, set up and manage Wi-Fi, Ethernet, Hotspot and tethering, Data Saver, VPN, and Private DNS settings.

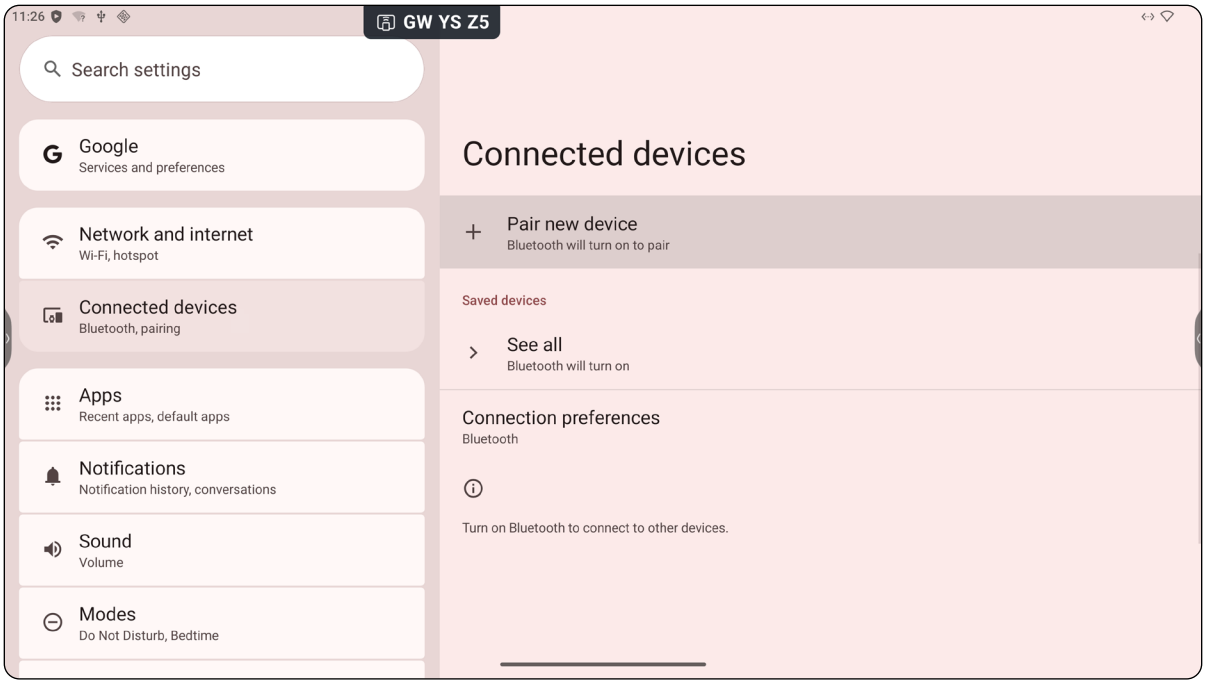


Item	Description
Ethernet	Set up and manage a wired connection as well as network preferences.
Internet	Set up and manage a Wi-Fi connection as well as network preferences.
Airplane mode	Turn off all wireless communication, including Wi-Fi and Bluetooth.
Hotspot & tethering	Set and share your internet connection with other devices.
Data Saver	When enabled, most apps and services will get background data via an internet connection. **Note:** Active apps will not be affected.
VPN	Set up and manage Virtual Private Networks.
Share Network	*This function is not supported.*
Private DNS	Maintain an Automatic Private DNS or set one up manually for security and privacy.

Note: When Wi-Fi and a wired network are connected at the same time, the system will preferentially use the signal of the wired network, which will cause the Wi-Fi connection to be unavailable. It is recommended to turn on or off the corresponding network settings when using.

Connected Devices

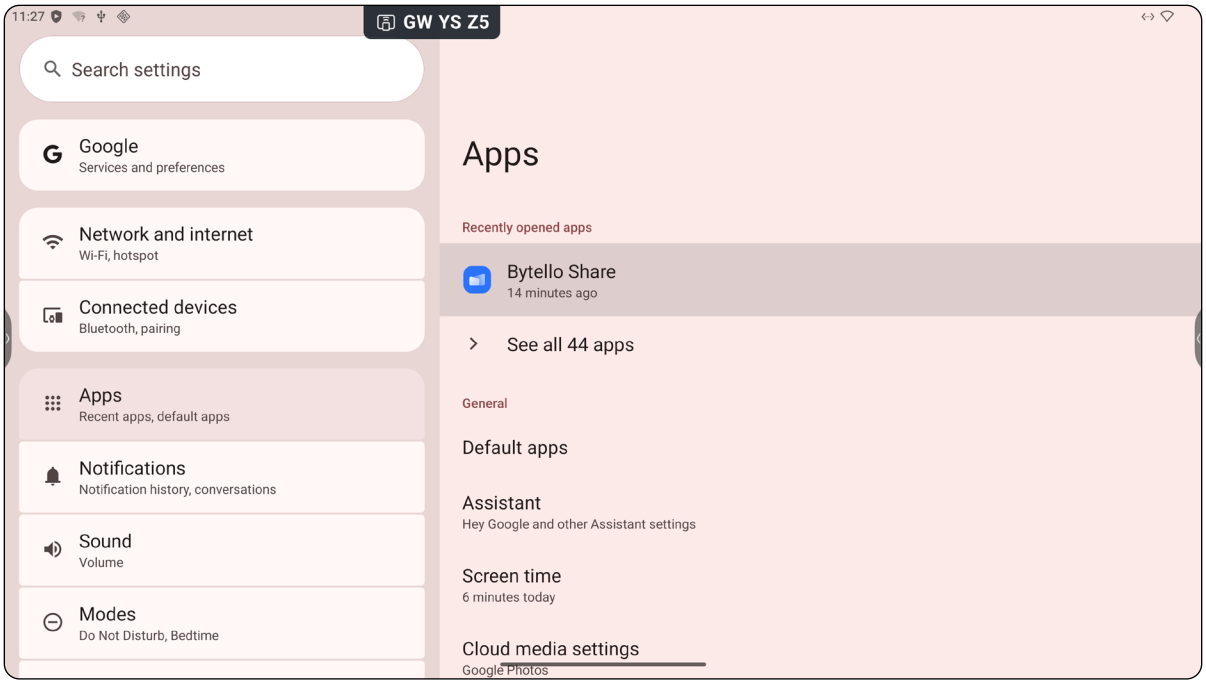
Set up and manage Bluetooth connections and saved devices.



Item	Description
+ Pair new device	Enable Bluetooth to search for and connect to a Bluetooth device.
Saved devices	View all previously connected Bluetooth devices. **Note:** Bluetooth will turn on when a device is selected.

Apps

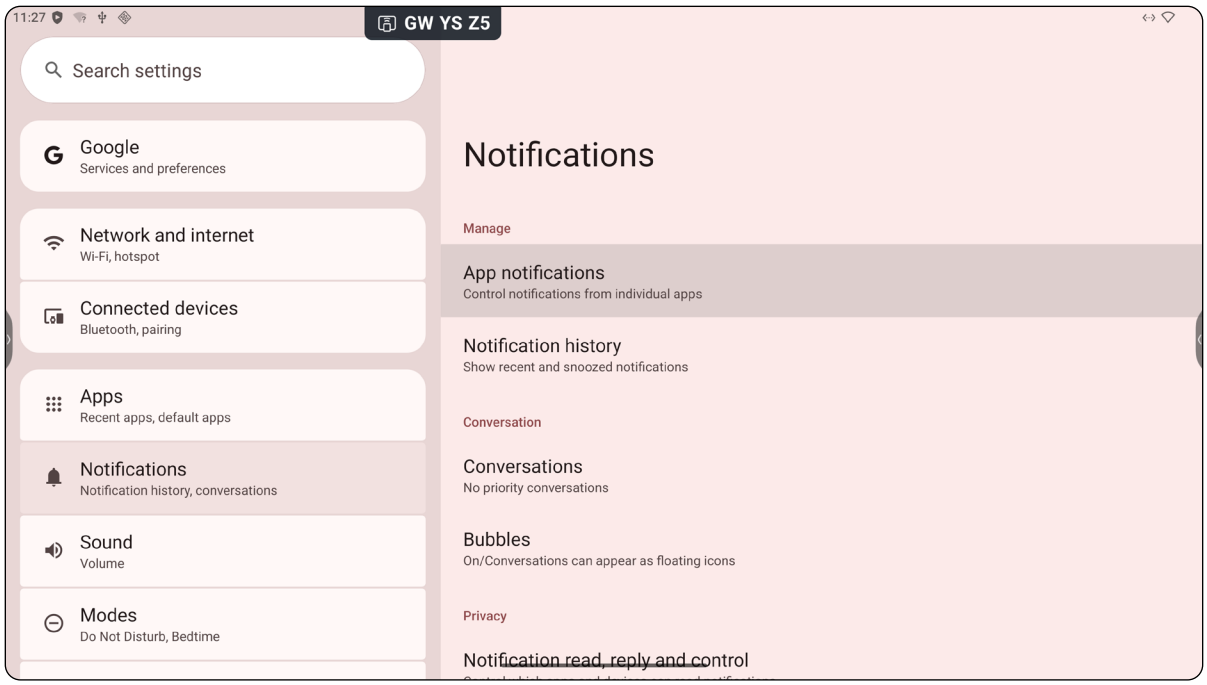
View installed application information.



Item	Description
All apps	Manage settings or permissions for the installed applications.
Default apps	Set default applications for certain uses (e.g., default web browser application).
Assistant	Customize a voice assistant that understands voice commands and executes them.
Screen time	Display the total amount of time the display has been in use by the day.
Cloud media settings	Set which cloud media apps can be accessed when prompted to select photos or videos.
Contacts storage	Save contacts to your device and automatically synchronize them to your account.
Unused apps	Applications that have not been used for a certain period of time will be listed here.
Special app access	Set several access permissions for applications.

Notifications

Manage notification settings and preferences.

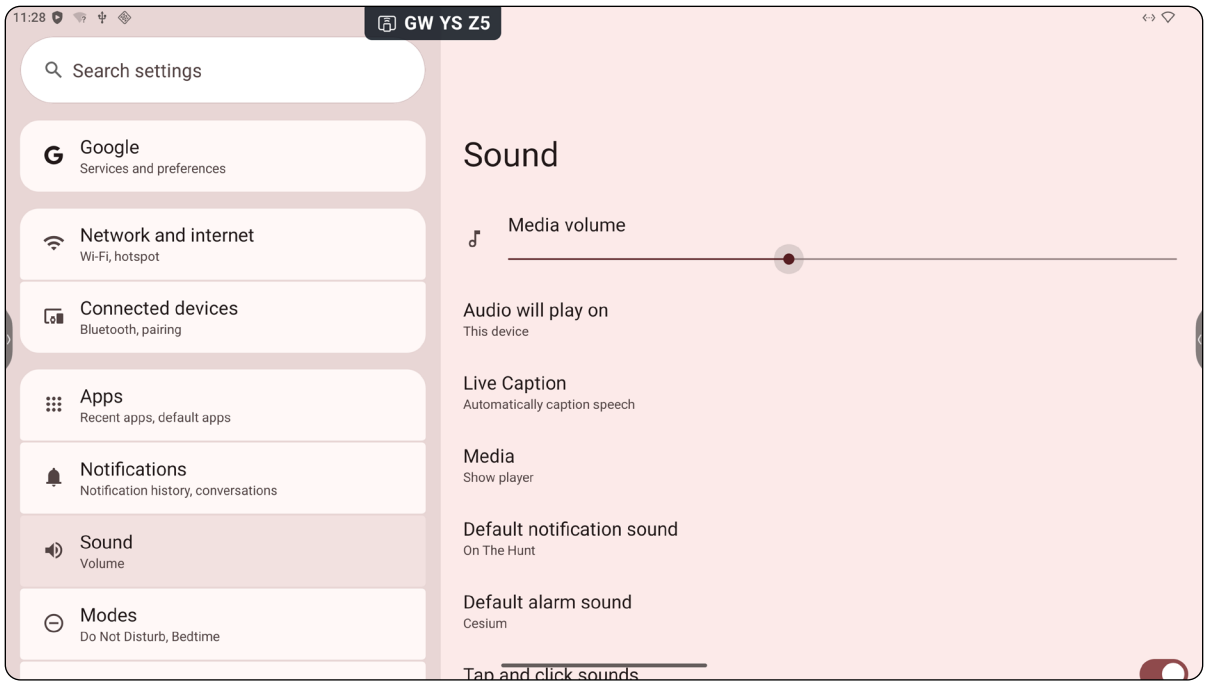


Item	Description
App notifications	Set up notification settings for individual applications.
Notification history	View recent notifications.
Conversation	Set previously received notifications or messages as priority.
Bubbles	When turned on, conversations can appear as a floating icon on screen.
Notification read, reply and control	Set what applications can read notifications, send replies, and manage other notification settings.
Notifications on lock screen	Determine whether and how notifications are visible when the device is locked.
Notification cooldown	Reduce the notification volume automatically when you receive multiple notifications in a short period.
Flash notifications	Light up the screen when a notification arrives.
Wireless emergency alerts	Manage settings for receiving critical public safety messages, such as severe weather warnings or local emergency broadcasts.
Hide silent notifications in status bar	When turned on, notifications that have been “silenced” will no longer appear in the status bar area.

Item	Description
Allow notification snoozing	When turned on, notifications can be “snoozed” for a short period of time for applications.
Notification dot on app icon	When turned on, a small dot will appear on the application icon when there is a new notification available.
Enhanced notifications	When turned on, receive suggestions for actions, replies, etc.

Sound

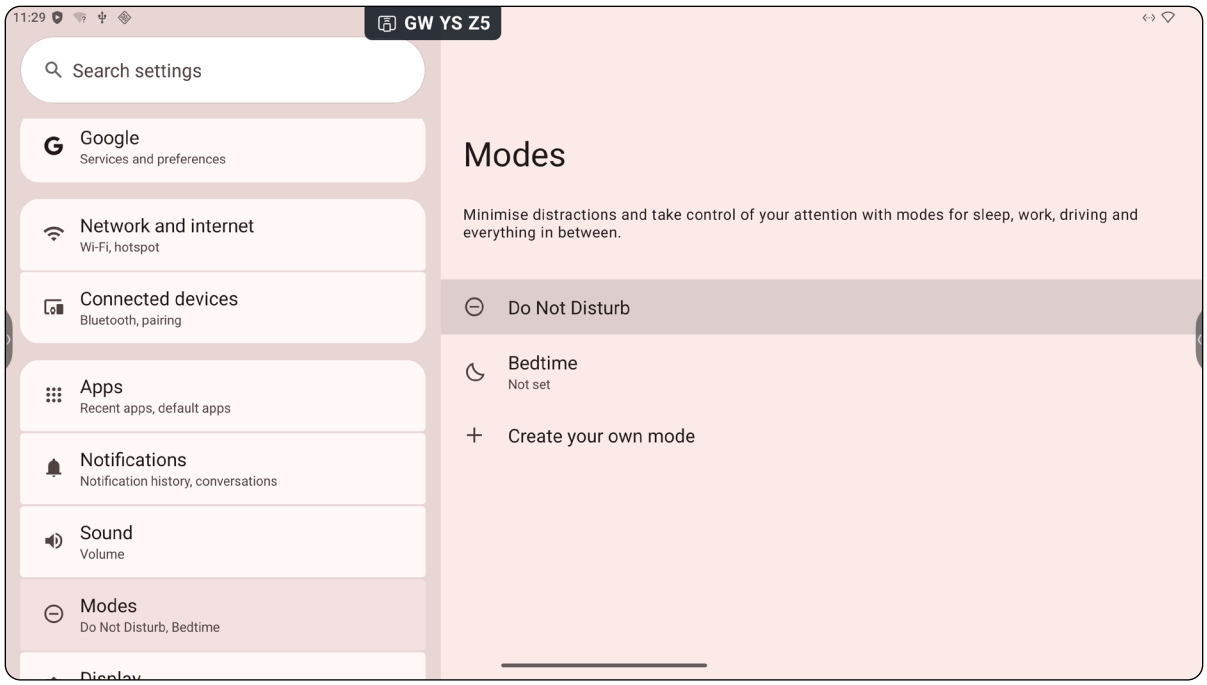
Adjust the volume level and set up sound preferences.



Item	Description
Media volume	Adjust the volume level.
Audio will play on	Display where the system audio is currently being routed.
	Use this setting to check or select the preferred sound output device.
Live Caption	When turned on, automatically caption.
Media	Player status settings.
Default notification sound	Choose the default sound effect for notifications.
Default alarm sound	Choose the default sound for alarms.
Tap and click sounds	When turned on, a sound effect will play every time a touch input is received.

Modes

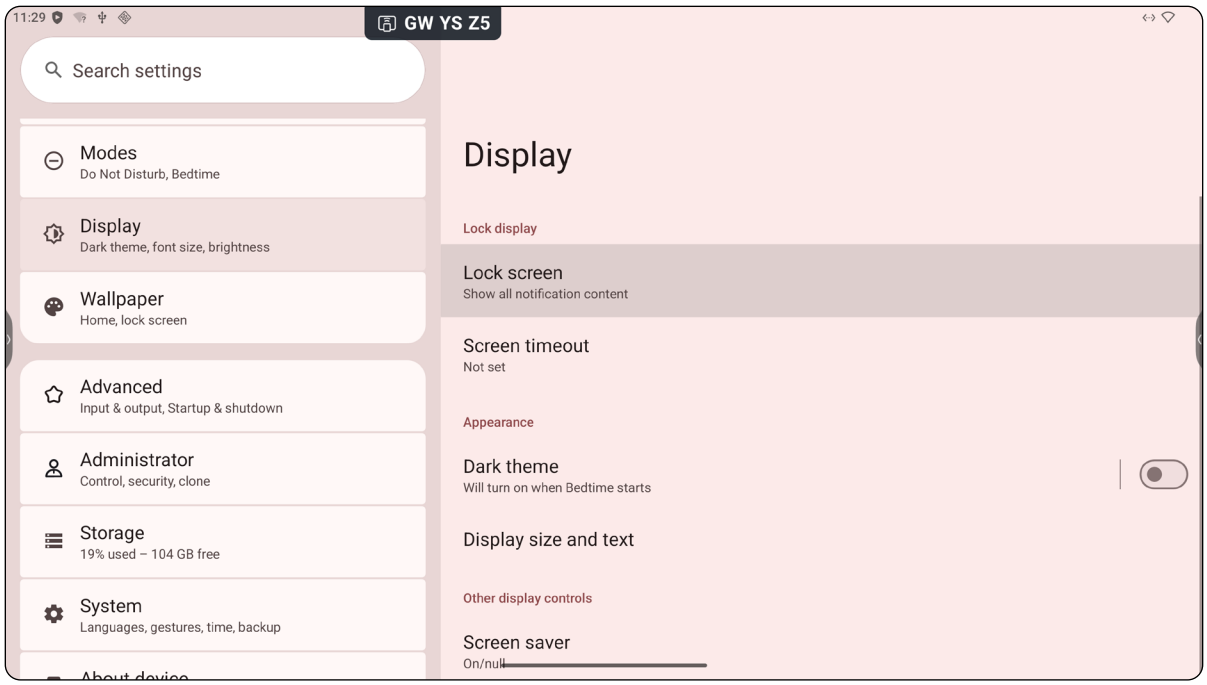
Customize device settings to manage your attention for specific situations.



Item	Description
Do Not Disturb	Set sound preferences for when “Do Not Disturb” mode is turned on.
Bedtime	Mute notifications and adjust the screen brightness to help you get ready for sleep.
Create your own mode	Customize a mode tailored to specific needs or preferences.

Display

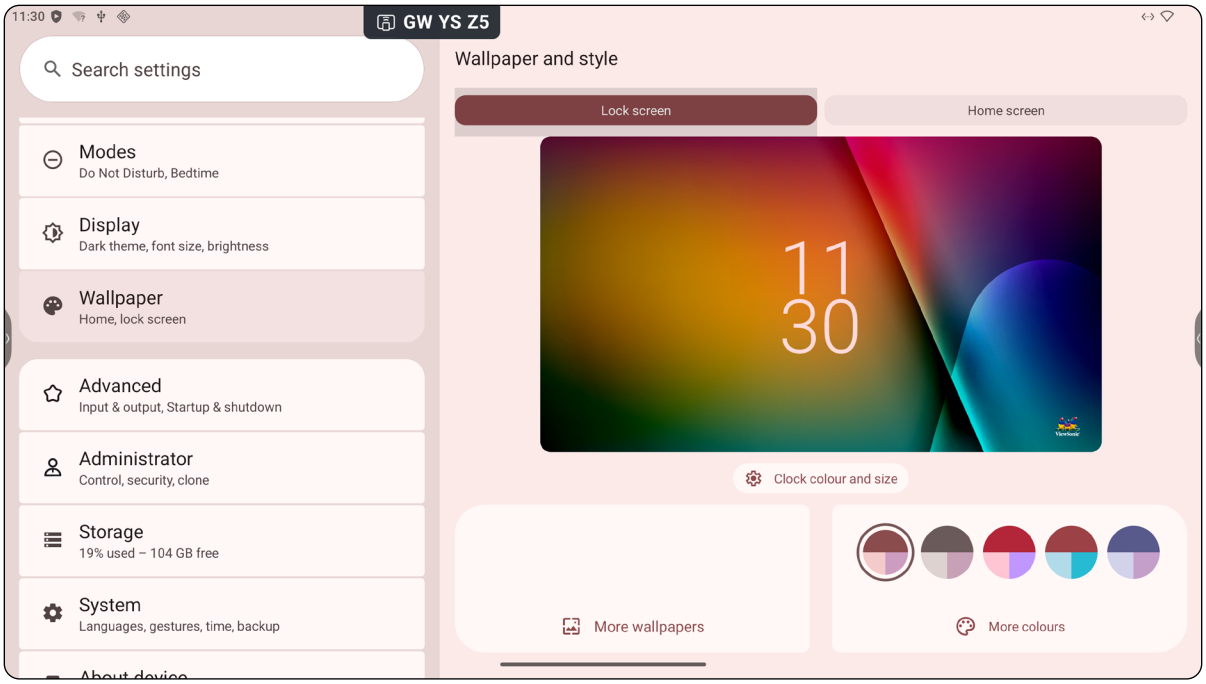
Adjust various display-related settings.



Item	Description
Lock screen	Set lock screen preferences.
Screen timeout	Set when the screen will lock after a period of inactivity.
Dark theme	When turned on, the brighter default background color will be changed to a darker one.
Display size and text	Adjust the overall display size or only the text size.
Screen saver	When turned on, a screen saver will play when the display is not in use.

Wallpaper

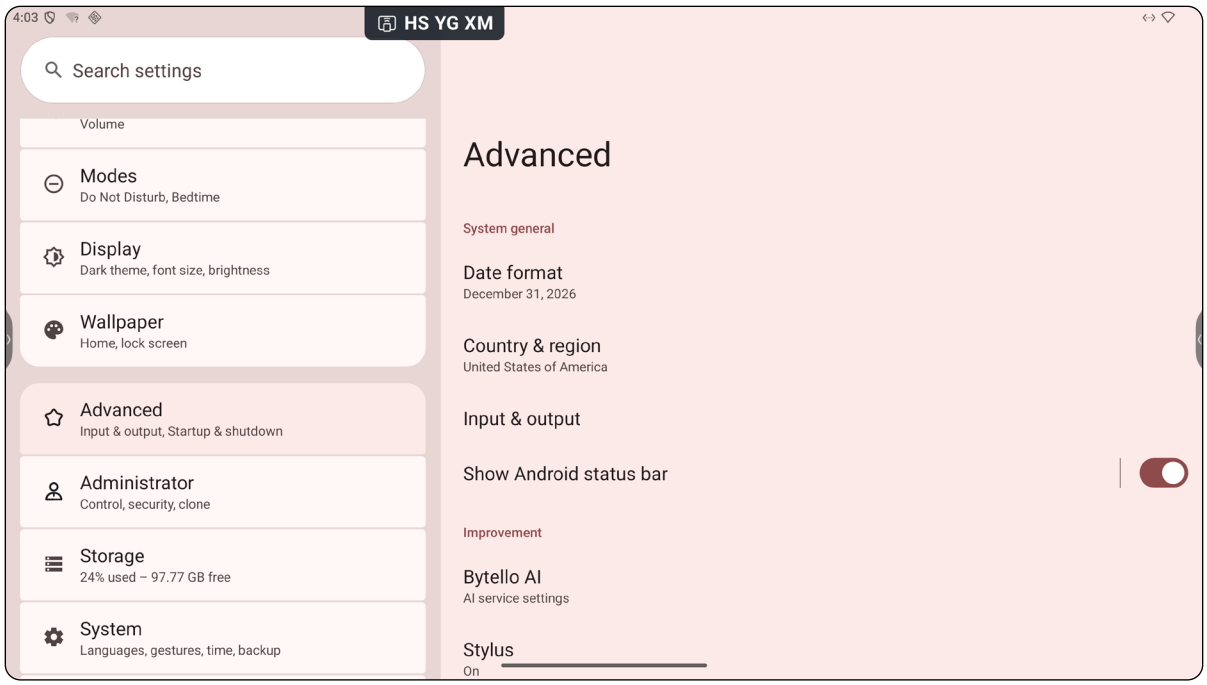
Adjust and personalize the wallpaper and style.



Item	Description
Clock color & size	Customize the visual style, dimensions, and tint of the digital clock displayed on the lock screen.
More wallpapers	Access the gallery to browse and select a new background image from default presets or your own files.
More colors	Set a color theme for the system interface by extracting colors from the current wallpaper or the preset color combinations.
Show notifications on lock screen	Determine whether notifications are visible when the device is locked.
More lock screen settings	Access advanced lock screen options, such as choosing to show full content or hiding sensitive details.

Advanced

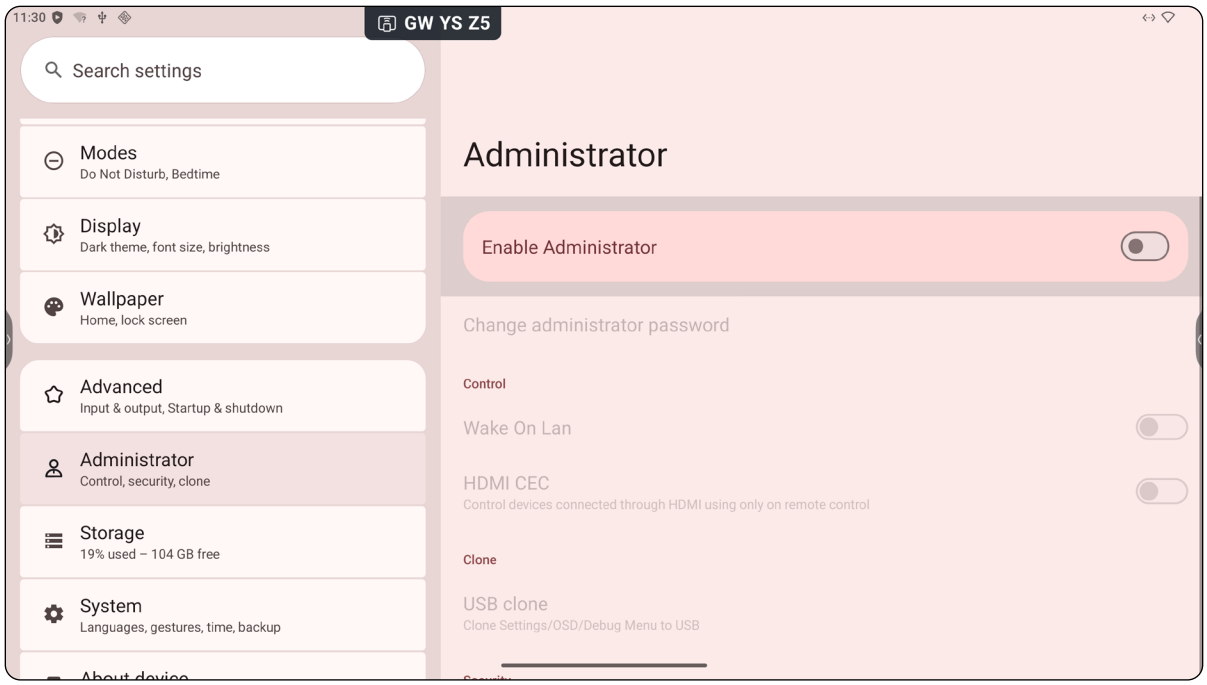
Set up a variety of functions.



Item	Description
Date format	Set the system time and format.
Country & region	Use the drop-down list to set the region for your network service.
Input & output	Choose the audio output channel, and adjust input source naming settings.
Show Android status bar	Turn the status bar on or off.
Bytello AI	Configure AI features and behavior.
Stylus	Adjust the settings for the Touch Pens.
Startup & shutdown	Set the startup channel, Energy Saving and Schedule settings.
Display	Set the eye protection mode, auto backlight, and pixel shift settings.
Multi-windows mode	Use two or more applications at the same time during presentations or workflows.
Gesture	Enable five finger gesture operation to access commonly used applications or functions.
Email	Add an email account to the display.
User experience plan	Turn the user experience plan on or off.

Administrator

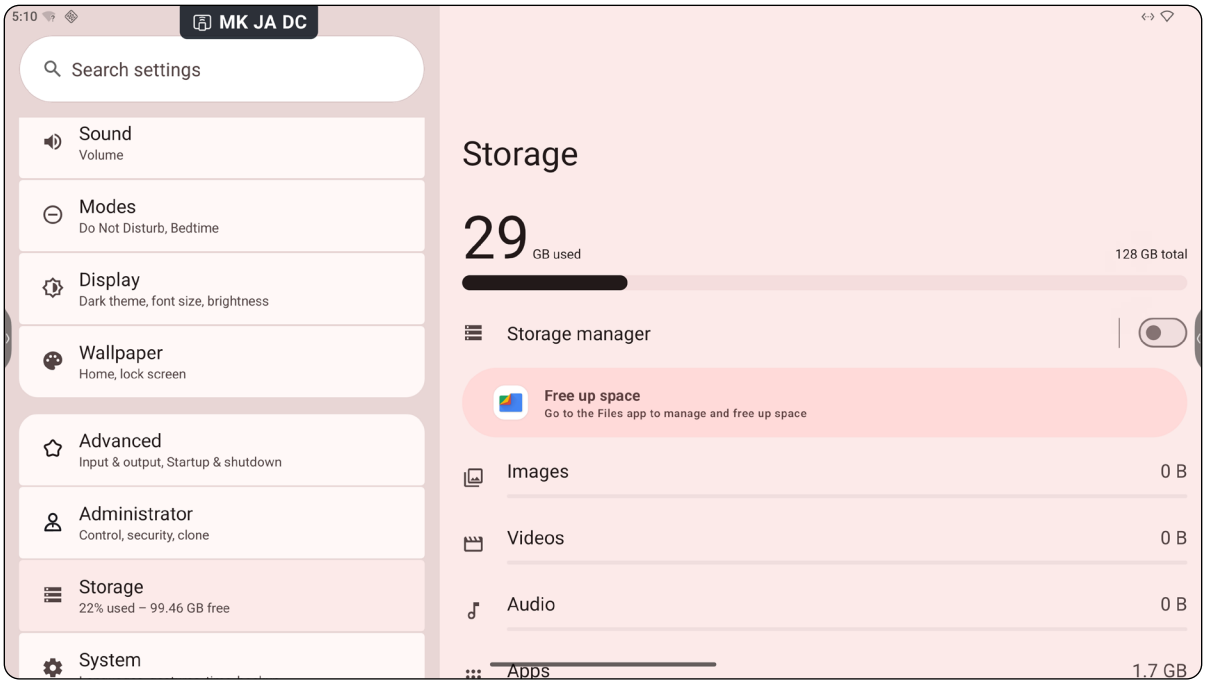
Check the storage status of the display.



Item	Description
Enable Administrator	Access advanced system settings when turned on.
Control	Adjust the Wake On Lan or HDMI CEC settings.
Clone	Copy the current settings a USB drive or restore from one.
Security	Manage access and restrictions to protect the display and data.

Storage

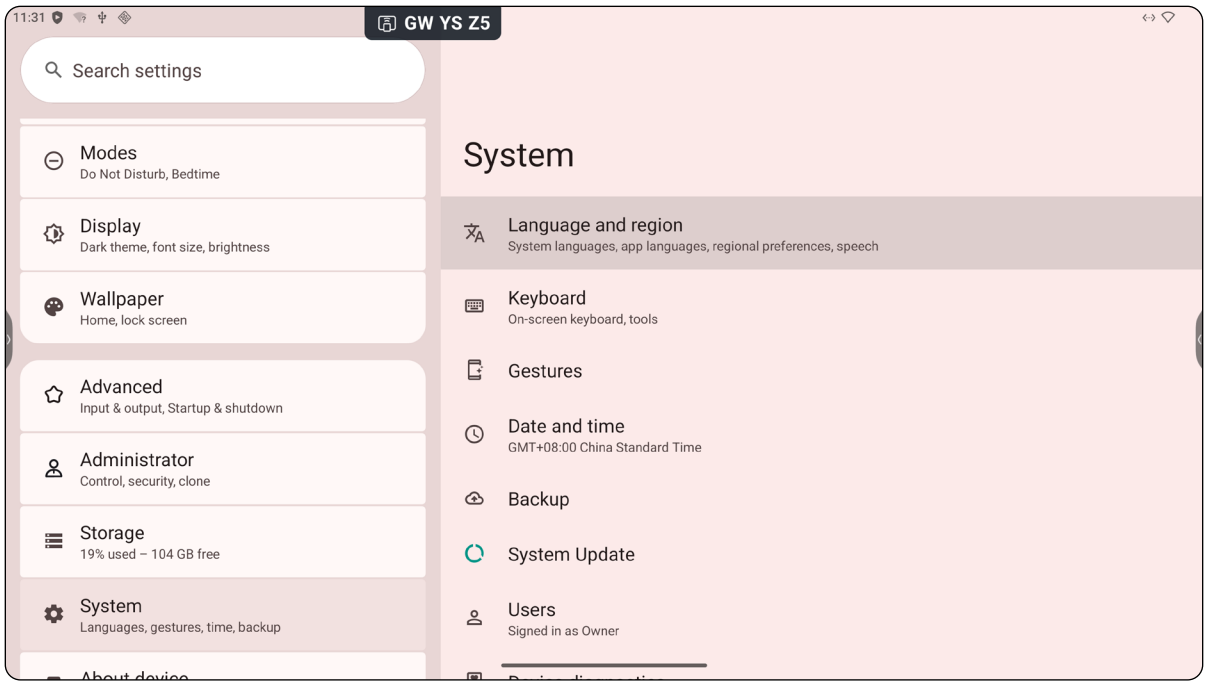
Check the storage status of the display.



Item	Description
Storage manager	When turned on, the storage manager will remove backed up photos and videos.
Apps	View and manage the storage space used by applications.
Others	View and manage the other folders.
Images	View and manage the Images folder.
Documents	View and manage the Documents folder.
Videos	View and manage the Video folder.
Audio	View and manage the Audio folder.
Games	View and manage the storage space used by gaming applications.
Trash	Recover recently deleted files and folders.
System	View the total storage space of system files.

System

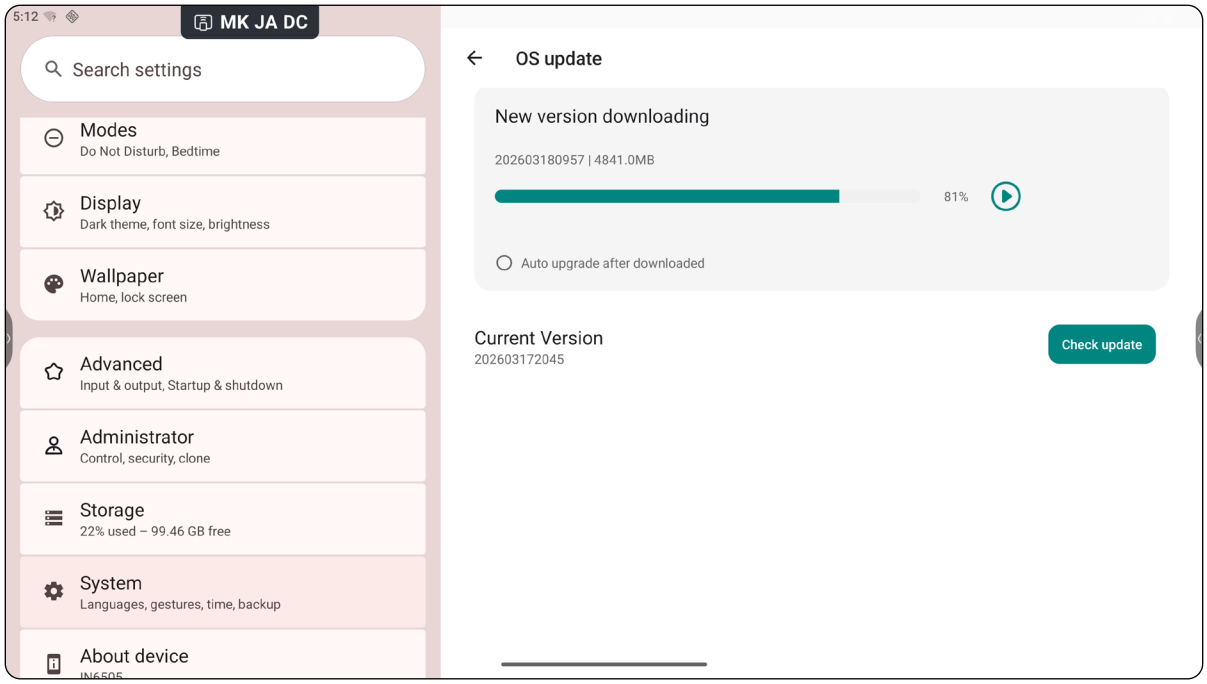
Manage system settings.



Item	Description
Languages & region	Choose the preferred language and configure regional preferences.
Keyboard	Set the keyboard.
Gestures	Adjust the side toolbar settings.
Date & time	Set the date and time.
Backup	With a Google account, back up the device’s data.
System Updates	Check for system updates.
Users	Allow different people to create their own profiles on the display.
Device diagnostics	Run tests to troubleshoot issues and monitor system health.
Reset options	Reset the display to factory default settings.

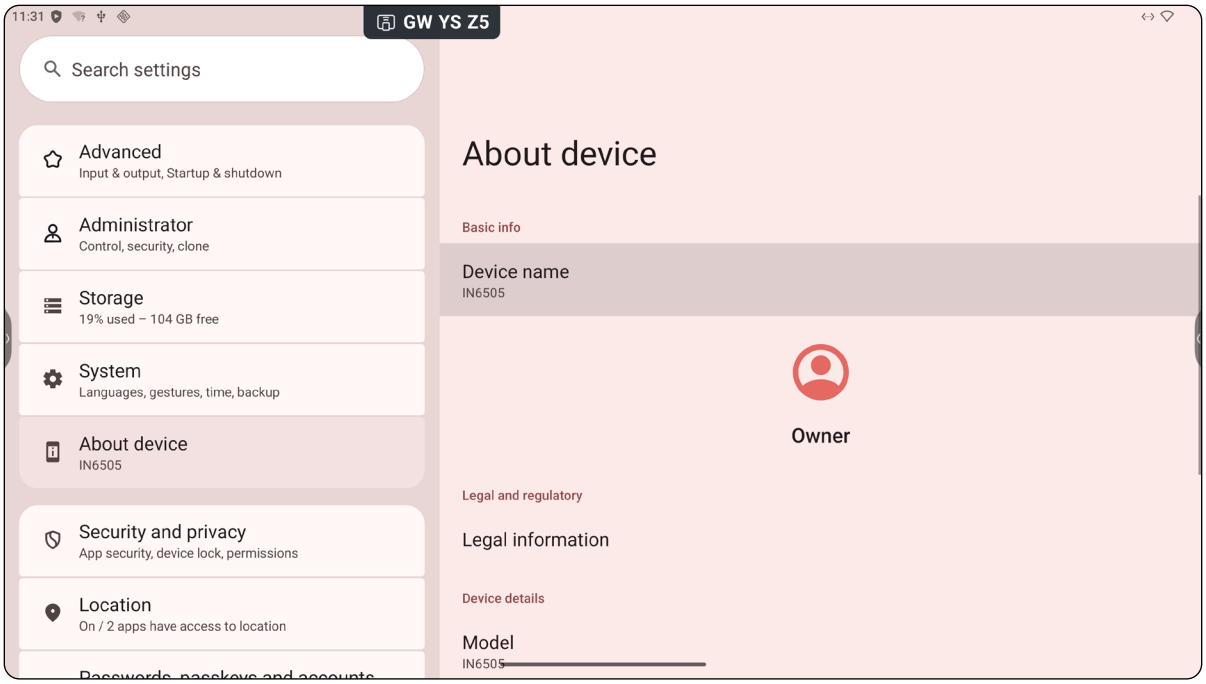
System Update

The display automatically searches for software updates whenever it is connected to the Internet (OTA). The software can then be updated by selecting the update button.



About Device

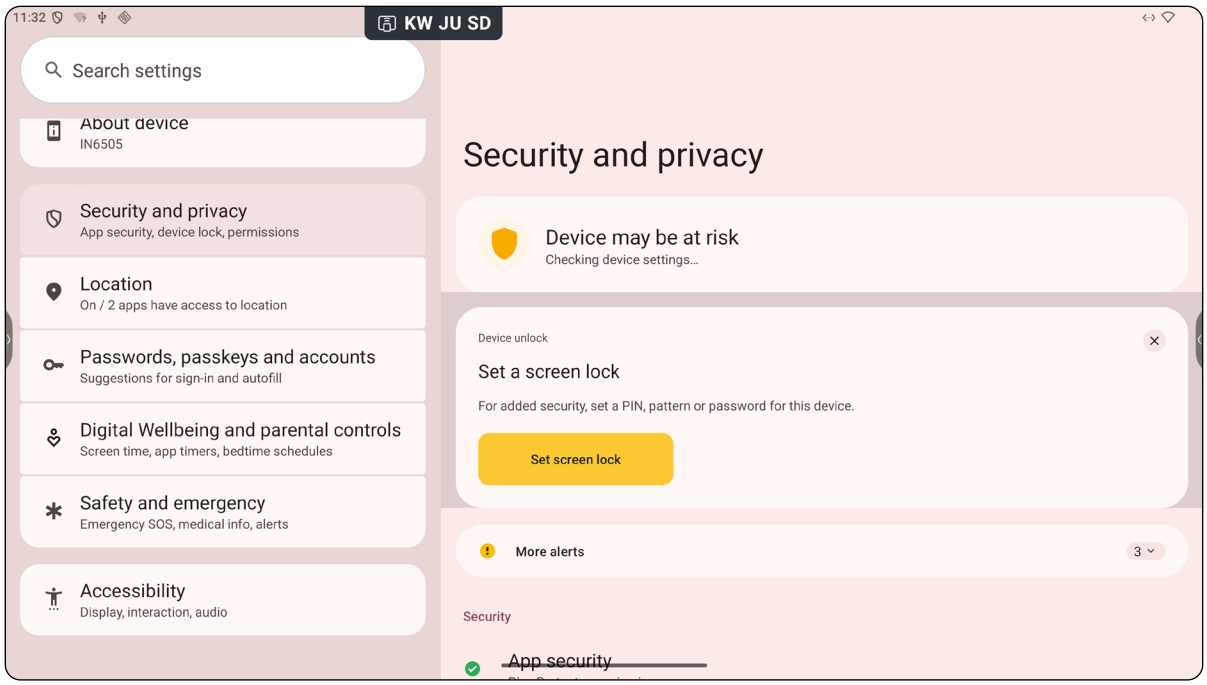
Review display information.



Item	Description
Device name	View the name of the device.
Legal information	View the relevant legal information.
Model	View the model of the display.
Android version	View the installed version of Android.
Compliance version	View the Compliance version.
IP Address	View the IP Address.
Wi-Fi MAC address	View and choose from saved networks.
Device Wi-Fi MAC address	View the Device Wi-Fi MAC address.
Bluetooth address	View the Bluetooth address.
Uptime	View the current running time of the device.
Build number	View the version number of current software.

Security and Privacy

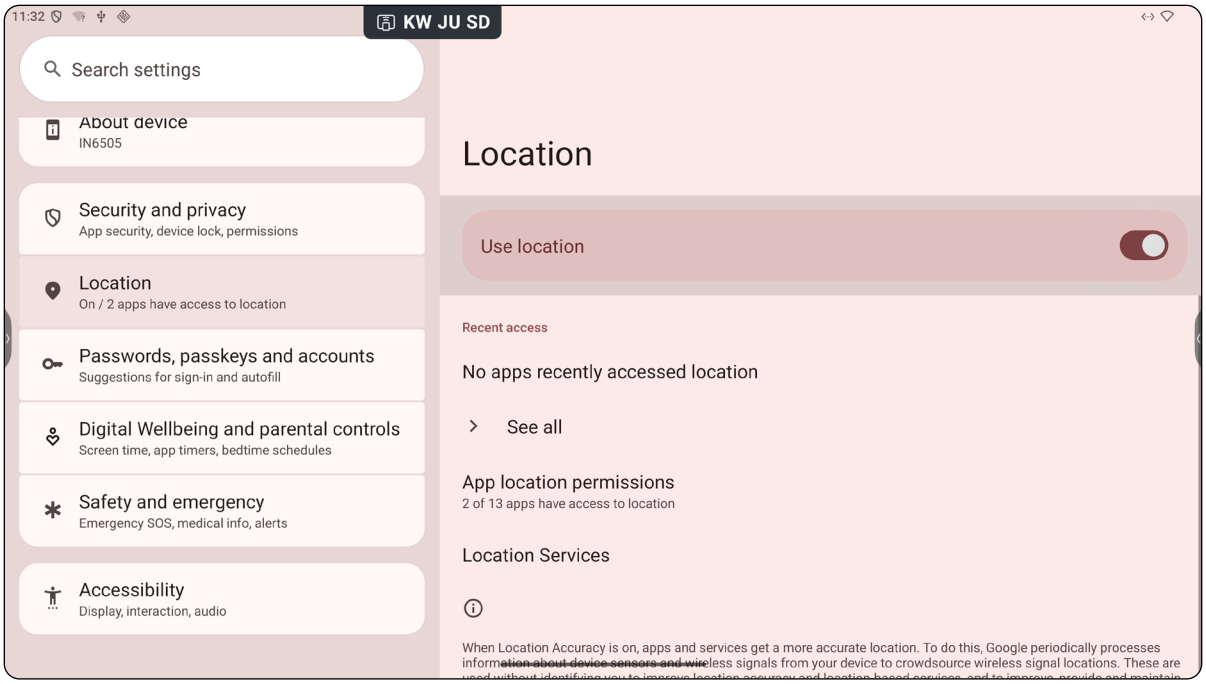
Review and adjust security and privacy settings.



Item	Description
Set a screen lock	For added security, set a PIN or password for this device.
More alerts	Add a Google account and check for security updates.
App security	Regularly check the installed applications and device for any harmful behavior.
Device unlock	Display whether the device is locked.
Account security	Security settings for Google accounts. **Note:** A Google account needs to be added first.
Device finders	Some settings, such as find my device and system updates, won't work until you add a Google account.
System & updates	Check for system updates.
Privacy controls	Control how data is collected and used by installed applications.
Privacy dashboard	Display a visual timeline of when applications accessed your camera, microphone, and location.
Privacy space	Create a secure, isolated space to hide and lock sensitive applications and data.
Advanced Protection	Protect your device and data against malware and unauthorized access when turned on.
More security & privacy	View and adjust various security related settings.

Location

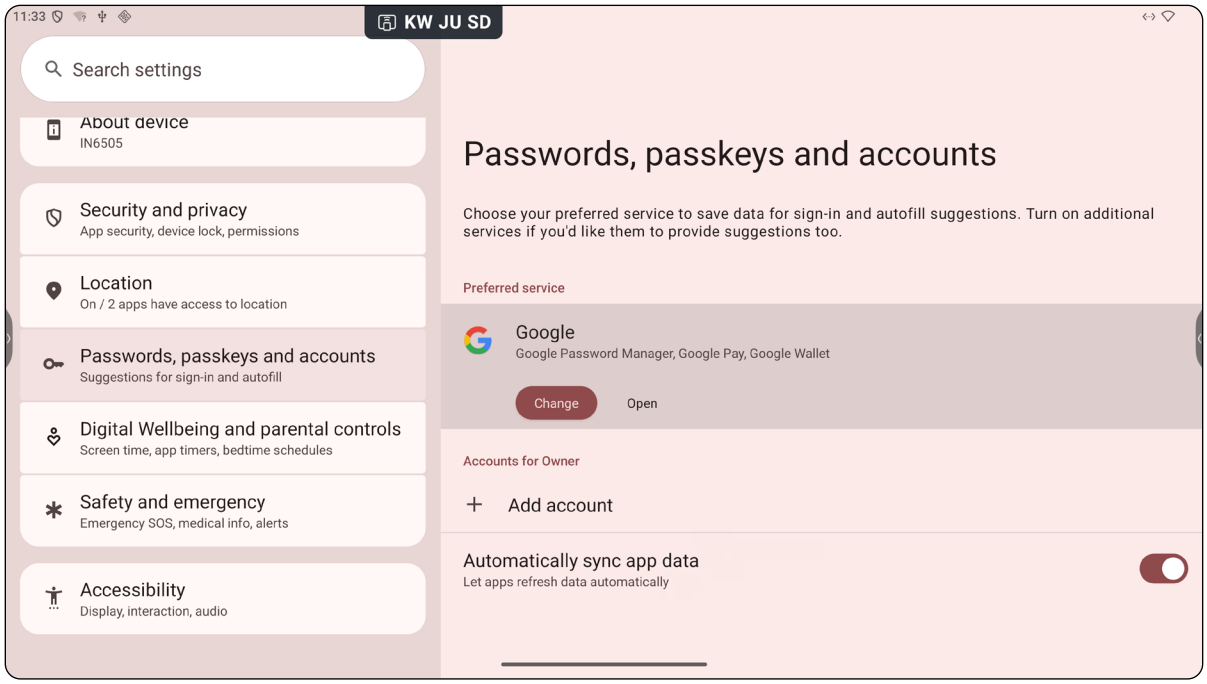
Review and manage location settings.



Item	Description
Use location	When turned on, the location of the device will be accessible to applications.
Recent access	Review which applications recently accessed the device's location.
App location permissions	Review which applications have permission to access the device's location.
Location services	Turn on or off various alerts, services, and scanning related to location and location accuracy.

Passwords, Passkeys and Accounts

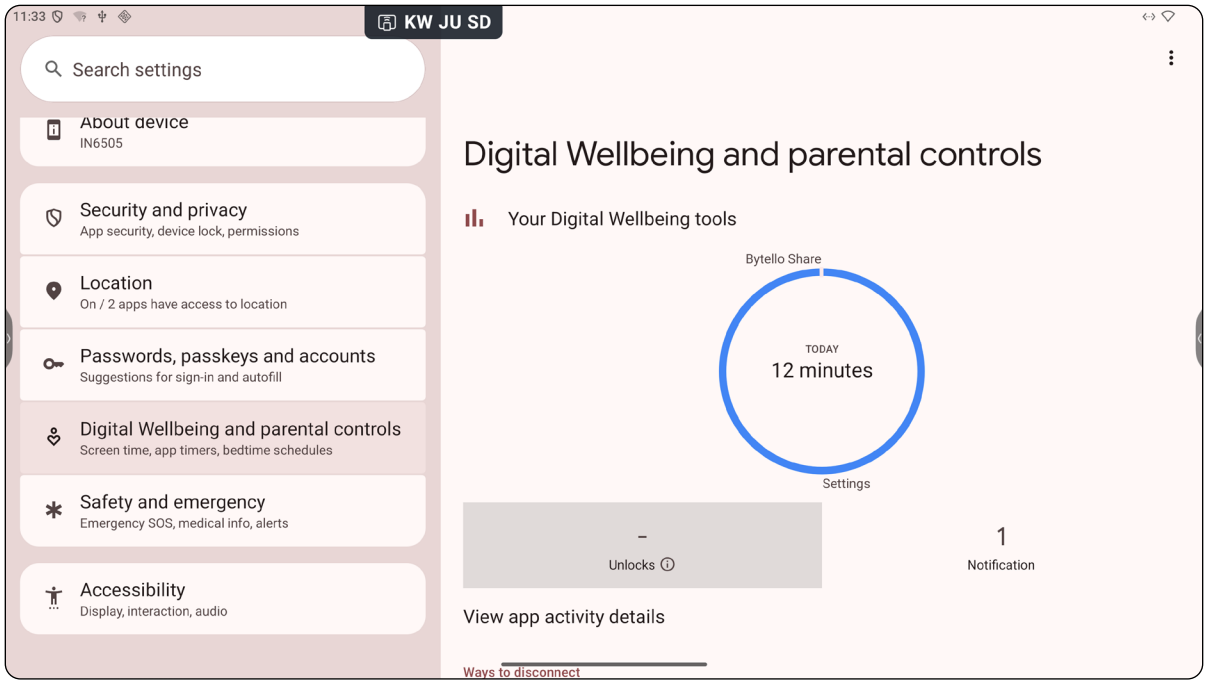
Set a preferred service to securely save and auto-fill your passwords, payment methods, and personal data.



Item	Description	
Preferred service	**Open**	Manage your saved data for sign-in.
	Change	Switch to a different auto-fill service provider.
Accounts for Owner	Add or remove accounts.	
Automatically sync app data	When enabled, applications can refresh data automatically.	

Digital Wellbeing and Parental Controls

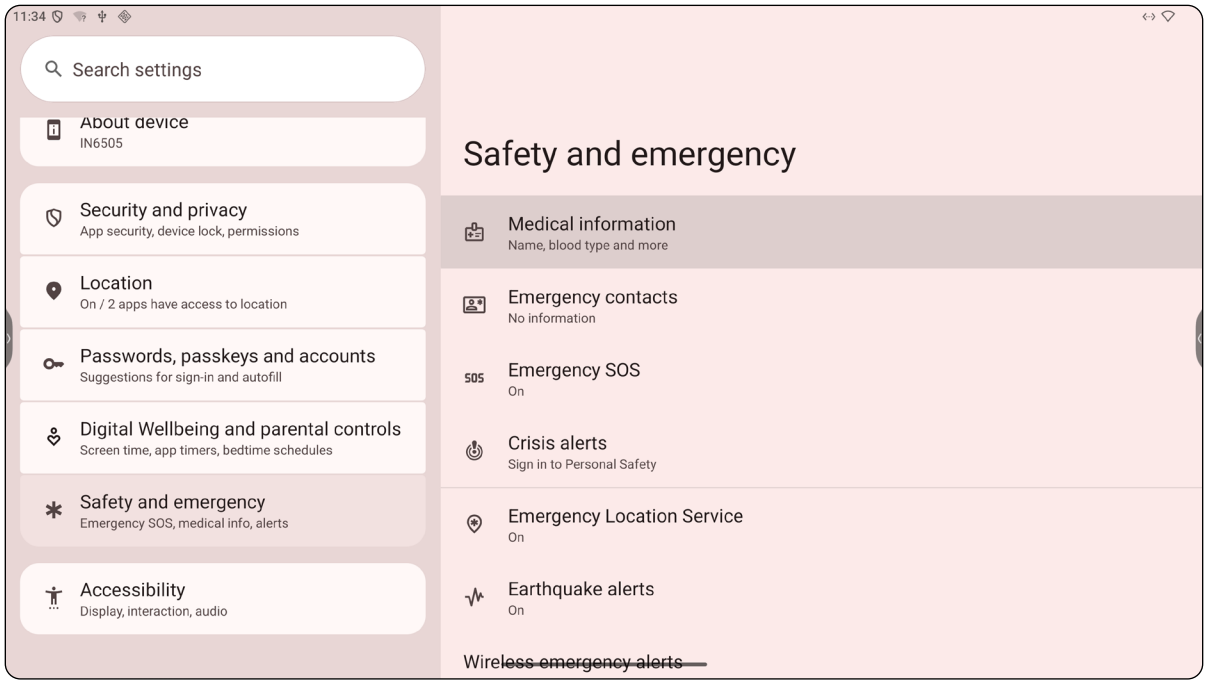
Review the display's usage time, and set up various tools to promote a better balance with the device.



Item	Description
Your Digital Wellbeing tools	A brief overview of device usage, unlocks, and notifications.
View app activity details	Display a detailed timeline and logs of when applications accessed permissions, data, or hardware.
Dashboard	Review screen time, number of notifications, and number of device unlocks.
App timers	Limit time spending on specific applications each day.
Bedtime mode	When enabled, only calls from starred contacts, repeat callers and alarms can reach you.
Focus	When enabled, applications can refresh data automatically.
Manage notifications	App notifications, there are four options as below: Most recent, most frequent, all apps and turned off.
Heads up	Set notification preferences when you're moving with the display.
Show icon in the app list	Set the icon show or not in the app list.

Safety and Emergency

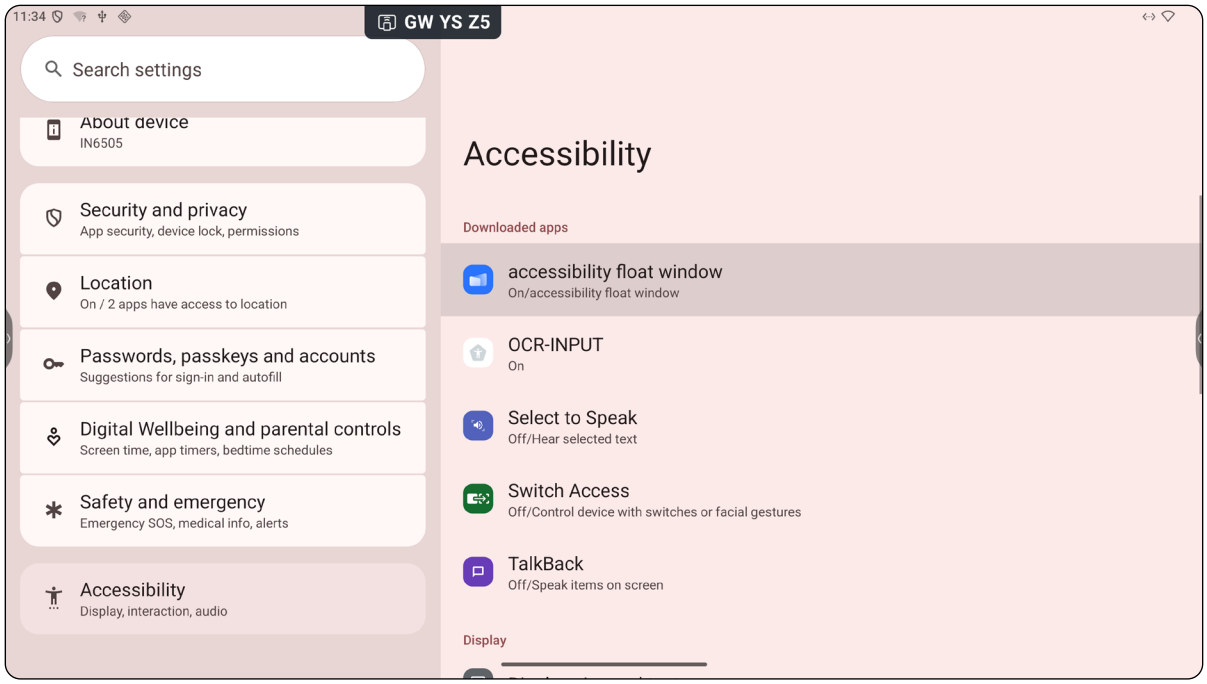
Review the display's usage time, and set up various tools to promote a better balance with the device.



Item	Description
Medical information	Set your medical details, such as blood type or allergies in case of an emergency.
Emergency contacts	Set emergency contacts to be notified in case of an emergency.
Emergency SOS	Call local emergency services automatically by pressing the side power button rapidly five or more times.
Crisis alerts	Receive alerts about local public safety threats or national disasters.
Emergency Location Service	Share your location automatically to first responders when you call or text an emergency number.
Earthquake alerts	Receive alerts when the system detects an earthquake occurs.
Wireless emergency alerts	Receive alerts about emergency situations.

Accessibility

View and adjust various tools that can help people with visual, auditory, speech, or physical disabilities use the display.



Item	Description
Accessibility float windows	By dynamically adding a hover frame above other apps, the hover window can remain visible or hidden from the lock screen or from the installed app.
OCR-INPUT	Optical Character Recognition Input Device Connection Settings can significantly enhance your Android app by enabling text extraction from images.
Select to Speak	When turned on, certain on-screen items will be read or described aloud when tapped (e.g., text or image).
Switch Access	Allows the use of one or more switch, keyboard, controller, etc. to control the device.
TalkBack	When turned on, device actions will be described by audio so it can be used without looking at the screen.
Display size and text	Adjust the overall display size or only the text size.
Color and motion	Apply color correction and inversion and enlarge the mouse pointer.
Magnification	Zoom in on the screen to enlarge the content.
Accessibility menu	Add a shortcut for a enlarged on-screen menu to control the device.

Item	Description
Timing controls	Adjust how long temporary messages that ask for an action are on screen, enable Autoclick, and adjust the touch and hold delay time.
System controls	Adjust the way to navigate the system.
Physical keyboard accessibility	Adjust settings for connected hardware keyboards.
Live Caption	Set the live caption preferences.
Caption preferences	Turn on captions and adjust the size and style.
Audio description	When turned on, an audio description of what is happening on screen in supported movies and shows will be given.
Flash notification	Lights up the screen when a notification arrives.
Audio adjustment	Combine audio channels into a single mono channel.
Accessibility Shortcuts	Adjust the shortcut settings and availability on the lock screen.
Text-to-Speech output	When set up, text can be read out loud.
Startup & shutdown	Controls how the display turns on and off.

Google Launcher Menu Tree

Menu	Sub-menu	Menu Option	
Google	Recommended		
	All services	Cast Option	
		Cross-device services	
		Devices	
		Quick Share	
		Thread networks	
		Ads	
		Location accuracy	
		Personalize using shared data	
		Usage and diagnostics	
		Autofill with Google	
		Passkeys and devices	
		Verification codes by SMS	
		Connected apps	
		Google Fit	
		Google Play Instant	
		Google Wallet	
		Search, Assistant & Voice	
		Backup	
		Google Contact sync	
		Pair with iPhone or iPad	
		Restore contacts	
		Set up by nearby device	
		Family Group	

Menu	Sub-menu	Menu Option		
Google	All services	Parental controls		
		Advanced Protection		
		Find Hub		
		Sensitive content warnings		
		Set up your work profile		
Network & Internet	Ethernet	On		
		Local Network Setting	DHCP	
			Static IP	
			IP Address	
			Default gateway	
			Netmask	
			DNS	
			Proxy	None
				Manual
				Proxy Auto-Config
			Mac address	
	Internet	Wi-Fi list		
		+ Add network		
		Network Preferences	Turn on Wi-Fi automatically	
			Notify for public networks	
			Allow WEP networks	
			Install certificates	
			Wi-Fi direct	
		Saved Networks		
		Non-carrier data usage		

Menu	Sub-menu	Menu Option	
Network & Internet	Airplane mode		
	Hotspot & tethering	Wi-Fi hotspot	
		USB tethering	
		Bluetooth tethering	
	Data Saver	Use Data Saver	

Menu	Sub-menu	Menu Option		
Network & Internet	Data Saver	Unrestricted data	Android Switch	
			Bytello Share	
			Calculator	
			Calendar	
			Camera	
			Chrome	
			Clock	
			Contacts	
			Digital Wellbeing	
			Drive	
			Files	
			Gboard	
			Gmail	
			Google Play services	
			Google Play Store	
			Keep Notes	
			Launcher3	
			Maps	
			Meet	
			Personal Safety	
			Photos	
			YouTube	
			YouTube Music	
	VPN			
	Shared network			

Menu	Sub-menu	Menu Option		
Network & Internet	Private DNS	Off		
		Automatically		
		Private DNS provider hostname		
Connected Devices	USB	USB Controlled by	Connected device	
			This device	
		Use USB for	File transfer	
			USB tethering	
			PTP	
			No data transfer	
		File transfer options	Convert video to AVC	
		Power options	Charge connected device	
	+ Pair new device	Device name		
		Available devices		
	Saved devices	See all		
		Connection preferences	Bluetooth	Use Bluetooth
				Device name
				+ Pair new device
			Cross-device services	
			Cast	
			Printing	Printing services
			Quick Share	

Menu	Sub-menu	Menu Option		
Apps	All apps			
	Default apps			
	Assistant			
	Screen time			
	Cloud media settings			
	Contacts storage			
	Unused apps			
	Special app access			
Notifications	Manage	App notifications		
		Notification history	Use notification history	
	Conversation	Conversation		
		Bubbles	Allow apps to show bubbles	
	Privacy			
	Notification read, reply & control	Allowed	Launcher3	Allow notification access
				Real-time
				Conversations
				Notifications
				Silent
				See all apps

Menu	Sub-menu	Menu Option		
Notifications	Notification read, reply & control	Not allowed	Google Play services	Allow notification access
				Real-time
				Conversations
				Notifications
				Silent
				See all apps
			Cross-device services	Allow notification access
				Real-time
				Conversations
				Notifications
				Silent
				See all apps
			Android System Intelligence	Allow notification access
				Real-time
				Conversations
				Notifications
				Silent
				See all apps
			Contacts	Allow notification access
				Real-time
				Conversations
				Notifications
				Silent
				See all apps

<table>
<tr><th>Menu</th><th>Sub-menu</th><th colspan="3">Menu Option</th></tr>
<tr><td rowspan="15">Notifications</td><td rowspan="3">Notifications on lock screen</td><td>Show conversations, default, and silent</td><td colspan="2" rowspan="3"></td></tr>
<tr><td>Hide silent conversations and notifications</td></tr>
<tr><td>Don't show any notifications</td></tr>
<tr><td rowspan="12">General</td><td>Notification cooldown</td><td>Use notification cooldown</td><td></td></tr>
<tr><td>Flash notifications</td><td>Screen flash</td><td>Screen flash color</td></tr>
<tr><td rowspan="7">Wireless emergency alerts</td><td>Allow alerts</td><td></td></tr>
<tr><td rowspan="5">Alerts</td><td>Extreme threats</td></tr>
<tr><td>Severe threats</td></tr>
<tr><td>AMBER alerts</td></tr>
<tr><td>Test alerts</td></tr>
<tr><td>Emergency alert history</td></tr>
<tr><td rowspan="2">Alerts preferences</td><td>Alert reminder</td></tr>
<tr><td>Always alert at full volume</td></tr>
<tr><td>Hide silent notifications in status bar</td><td colspan="2" rowspan="4"></td></tr>
<tr><td>Allow notification snoozing</td></tr>
<tr><td>Notification dot on app icon</td></tr>
<tr><td>Enhanced notifications</td></tr>
</table>

<table>
<tr><th>Menu</th><th>Sub-menu</th><th colspan="3">Menu Option</th></tr>
<tr><td rowspan="16">Sound</td><td>Media volume</td><td></td><td colspan="2" rowspan="3"></td></tr>
<tr><td rowspan="2">Audio will play on</td><td>This tablet</td></tr>
<tr><td>Connect a device</td></tr>
<tr><td rowspan="8">Live Caption</td><td>Use Live Caption</td></tr>
<tr><td rowspan="7">Setting</td><td>Languages</td><td>Caption Languages</td></tr>
<tr><td rowspan="3">Caption Preference</td><td>Show captions</td></tr>
<tr><td>Caption size and styles</td></tr>
<tr><td>More options</td></tr>
<tr><td>Expressive captions</td><td rowspan="3"></td></tr>
<tr><td>Hide profanity</td></tr>
<tr><td>Live caption in volume control</td></tr>
<tr><td rowspan="2">Live Caption in calls</td><td>Type responses during calls</td></tr>
<tr><td>Voice for typed responses</td></tr>
<tr><td rowspan="2">Media</td><td>Pin media player</td><td colspan="2" rowspan="4"></td></tr>
<tr><td>Show media on lock screen</td></tr>
<tr><td>Default notification sound</td><td rowspan="3"></td></tr>
<tr><td>Default alarm sound</td></tr>
<tr><td>Tap & click sounds</td></tr>
</table>

Menu	Sub-menu	Menu Option		
Modes	Do Not Disturb	Turn on now		
		Notification filters	People	Who can interrupt
			Apps	Selected apps
				None
			Alarms & other interruptions	Alarms
				Media sounds
				Touch sounds
				Reminders
				Calendar events
		More settings	Display settings	Display options
			Duration for Quick Settings	
	Bedtime	Turn on now		
		Bedtime routine		
		Notification filters	People	Who can interrupt
			Apps	Selected apps
				None
			Alarms & other interruptions	Alarms
				Media sounds
				Touch sounds
				Reminders
				Calendar events
	Create your own mode			

Menu	Sub-menu	Menu Option		
Display	Lock display			
	Lock screen	What to show	Privacy	
			Add users from lock screen	
			Add text on lock screen	
			Show device controls	
			Use device controls	
			Dynamic clock	
		When to show	Wake screen for notifications	
	Screen timeout	None		
		15 seconds		
		30 seconds		
		1 minute		
		2 minutes		
		5 minutes		
		10 minutes		
	Appearance	Dark theme		
		Display size and text	Font size	
			Display size	
			Bold text	
			Outline text	
			Reset settings	

Menu	Sub-menu	Menu Option		
Display	Other display controls	Screen saver	Use screen saver	
			Choose a screen saver	Screen saver
				Preview
		Eye protection mode		
		Auto backlight		
		Pixel shift	OFF	
			Interval 2 mins	
			Interval 3 mins	
			Interval 5 mins	
			Interval 30 mins	
			Interval 60 mins	
Wallpaper & Style	Lock screen	Clock color & size		
		More wallpapers		
		More Colors		
		Show notifications on lock screen		
		More lock screen settings	What to show	Privacy
				Add users from lock screen
				Add text on lock screen
				Show device controls
				Use device controls
				Dynamic clock
			When to show	Wake screen for notifications
	Home screen	More wallpapers		
		More Colors		
		Themed icons		
		Color contrast		

Menu	Sub-menu	Menu Option		
Advanced	Date format			
	Country & region			
	Input & output	Audio	Audio output channel	
			Speaker	AUTO
				Speaker
			Mic[1]	
		Channel settings	Advanced HDMI Settings	HDMI1
				HDMI2
				HDMI3
			Input source naming	Allow input alias
				Android
				HDMI 1
				HDMI 2
				HDMI 3
				TYPEC 1
				TYPEC 2
			HDMI OUT format	3840 X 2160_60Hz
				1080p_60Hz
				480p_60Hz
				AUTO
	Show Android status bar			
	Improvement	Bytello AI	AI Service	
		Stylus	Stylus	
			Stylus extras	Direct annotation
				Enable under external sources
				Handwriting input

1 – *This feature is not supported*.

Menu	Sub-menu	Menu Option		
Advanced	Improvement	Startup & shutdown	Startup settings	Startup source
				Standby (Black screen) after startup
				Signal Detection Wake
			Energy saving	Auto standby
				Auto shutdown
			Schedule	Startup/shutdown task
				Ask before shutting down
		Display	Eye protection mode	
			Auto backlight	
			Pixel shift	OFF
				Interval 2 mins
				Interval 3 mins
				Interval 5 mins
				Interval 30 mins
				Interval 60 mins
		Multi-Windows mode		
		Gesture	Five fingers control	Enable five fingers control
		Email		
		User experience plan		

Menu	Sub-menu	Menu Option		
Administrator	Enable Administrator			
	Change administrator password			
	Control	Wake On Lan		
		HDMI CEC		
	Clone	USB clone	Import	
			Export	
	Security	Auto remove files		
		Security lock	Setting lock	
			Network lock	
			USB lock	
			Unknow source	
Storage	Storage manager			
	Apps	Apps storage	Clear storage	
			Clear cache	
			Space used	App size
				User data
				Cache
				Total
	Other			
	Images			
	Documents			
	Videos			
	Audio			
	Games			
	Trash			

Menu	Sub-menu	Menu Option		
Storage	System	Android 16		
		Temporary system files		
System	Language & region	Preferred Language	System Languages	
		More language settings	App languages	
			Speech	Voice input
				Text-to-speech output
		Regional preferences	Region	Choose a region
			Temperature	Use default
				Celsius (°C)
				Fahrenheit (°F)
			Measurement system	Use default
				Metric
				US
				UK
			First day of week	Use default
				Sunday
				Monday
				Tuesday
				Wednesday
				Thursday
				Friday
				Saturday

Menu	Sub-menu	Menu Option		
System	Keyboard	On-screen keyboard	Gboard	
			Google Voice Typing	
		Physical keyboard	Physical keyboard	USB keyboard
			Options	View keyboard shortcuts
				Modifier keys
				Repeat keys
				Physical keyboard accessibility
		Tools	Spell checker	Use spell checker
				Languages
				Default spell checker
			Personal dictionary	
			Pointer speed	
	Gestures	Navigation mode	Gesture navigation	Try a demo
				Digital assistant
				Back Sensitivity
			3-button navigation	Hold home for Assistant
			Traditional navigation	
		Press & hold power button	Power menu	
			Digital assistant	

Menu	Sub-menu	Menu Option		
System	Gestures	Five fingers control	Five fingers control	Enable five fingers control
				Slide left
				Slide right
				Slide up
				Slide down
				Slide spread
				Slide shrink
	Date & time	Automatic date and time		
		Date		
		Time		
		Time zone	Automatic time zone	
			Time zone	
		Time format	Use 24-hour format	
			Date format	
	Backup	Turn on		
		Backup details		
		Photo & videos		
		Other device data		
	System Update	Check update		

Menu	Sub-menu	Menu Option		
System	Users	Allow user switch		
		Users	You (Owner)	
			Add user	
		Guest	Add guest	
			Delete guest activity	
			Add users from lock screen	
	Device diagnostics			
	Reset options			
About device	Device name			
	Legal & regulatory	Legal information	Third-party licenses	
			Google legal	
			Google Play system update licenses	Ads
				Ad Services
				Android Runtime
				Android Services
				Android Services (APEX)
				AppSearch
				Captive Portal Login
				Cell Broadcast
				Config Infrastructure
				Conscript
				DNS Resolver
				Device Scheduling
				Documents UI
				Health Fitness
				IPSec

Menu	Sub-menu	Menu Option		
About device	Legal & regulatory	Legal information	Google Play system update licenses	Media
				Media Provider
				Media Software Codec
				Network Stack
				Neural Networks API
				On Device Personalization
				Permission
				Permission Controller
				Remote Key Provisioning
				SDK Extensions
				Stated
				Tethering
				Time zone data
				UWB
				WiFi
			System WebView licenses	
			Wallpaper credits	
			Open source licenses	

Menu	Sub-menu	Menu Option		
About device	Device details	Model	Model	
			Serial Number	
		Android version	Android version	
			Android security update	
			Kernel version	
			Build number	
		Compliance Version		
	Device identifiers	IP address		
		Wi-Fi MAC address		
		Device Wi-Fi MAC address		
		Bluetooth address		
		Uptime		
		Build number		
Security & Privacy	Security	App Security	Google Play Protect	
		Device unlock	Screen lock	
		Account security	Google Security Checkup	
			Password Checkup	
		Device finders	Find Hub	
		System & updates	Manage backup	
			Security update	
			Google Play system update	
			Backup	

Menu	Sub-menu	Menu Option		
Security & Privacy	Privacy	Privacy controls	Permission manager	
			Ads	
			Health Connect	
			Data sharing updates for location	
			Controls	Camera access
				Microphone access
				Show passwords
				Location access
				Activity controls
		Privacy dashboard		
		Private space		
	Other settings	Advanced Protection	Device Protection	
			Account Protection	
		More security & privacy	Privacy	Accessibility usage
				Notification on lock screen
				Show media on lock screen
				Allow camera software extensions
				App content
				Android System intelligence
				Autofill service from Google
				Usage & diagnostics

Menu	Sub-menu	Menu Option		
Security & Privacy	Other settings	More security & privacy	Security	Extend Unlock
				Android Safe Browsing
				Device admin
				Encryption & credentials
				Trust agents
				App pinning
Location	Use location			
	Recent access	See all		
		App location permissions		
		Location services	Earthquake alerts	
			Emergency Location Service	
			Google Location Sharing	
			Location Accuracy	
			Timeline	Timeline is off
				View your Timeline
				Export Timeline data
				Delete Timeline data
				Backup
			Trusted places	
			Wi-Fi scanning	Wi-Fi scanning
			Bluetooth scanning	Bluetooth scanning

Menu	Sub-menu	Menu Option		
Passwords, passkeys & accounts	Preferred service			
	Accounts for Owner	Add account	Exchange	
			Google	
			Meet	
			Personal (IMAP)	
			Personal (POP3)	
		Automatically sync app data		
Digital Wellbeing & parental controls	Your Digital Wellbeing tools	View app activity details		
	Ways to disconnect	App timers		
		Bedtime mode	Turn on now	
			Bedtime routine	Use a schedule
				Turn on while charging
				None
				Alarm behavior
			Customize in Modes	
		Focus	+ Set a schedule	
			Turn on now	
			Select distracting apps	
		Screen time reminders	Use reminders	
	Reduce interruptions	Manage notifications		
		Heads Up		
		Show icon in the app list		
	Families	Parental controls		
		Set up parental controls		

Menu	Sub-menu	Menu Option		
Safety & emergency	Medical information			
	Emergency contacts			
	Emergency SOS	Use Emergency SOS		
		Play countdown alarm		
		Notify for help	Call for help	
	Crisis alerts			
	Emergency Location Service	Use Emergency Location Service		
	Earthquake alerts			
	Wireless emergency alerts	Allow alerts		
		Alerts	Extreme threats	
			Serve threats	
			AMBER alerts	
			Test alerts	
			Emergency alert history	
		Alert preferences	Alert reminder	
			Always alert at full volume	
Accessibility	Downloaded apps			
	Accessibility float window	Use accessibility float window		
		Options	accessibility float window shortcut	Accessibility button
				Accessibility gesture
				Volume keys
			App info	
			service to show pin code	

Menu	Sub-menu	Menu Option		
Accessibility	OCR-INPUT	Use OCR-INPUT		
		Options	OCR-INPUT shortcut	
			App info	
	Select to speak	Options	Select to speak shortcut	Quick Settings
				Accessibility button
				More option
				Accessibility gesture
				Volume keys
			Settings	Text to speech settings
				Text to speech settings
				Change reading voice
				Read in background
				Read text on images (beta)
				Help & feedback
				Developer settings

Menu	Sub-menu	Menu Option		
Accessibility	Select to speak	Options	App info	Archive
				Disable
				Force stop
				Notification
				Permissions
				Storage & cache
				Wi-Fi data usage
				Screen time
				App battery usage
				Open by default
				Unused app settings
				Advanced
				Store
	Switch access	Use Switch Access	USB switch	
			Bluetooth switch	
			Camera switch	
		Options	Select Access shortcut	Accessibility button
				Accessibility gesture
				Volume keys
			Settings	Help
				Camera switch
				Assign switches
				Menu Customization
				Customize scanning
				Display & sound
				Privacy policy
				Developer settings

Menu	Sub-menu	Menu Option		
Accessibility	Switch access	Options	App info	Archive
				Disable
				Force stop
				Notification
				Premissions
				Storage & cache
				Wi-Fi data usage
				Screen time
				App battery usage
				Open by default
				Unused app settings
	TalkBack	Use TalkBack		
		Options	TalkBack shortcut	
			Settings	New feature in Talkback
				Audio
				Visual
				Controls
				Typing
				Braille
				Advanced
				Tutorial & help

Menu	Sub-menu	Menu Option		
Accessibility	TalkBack	Options	App info	Archive
				Disable
				Force stop
				Notification
				Permissions
				Storage & cache
				Wi-Fi data usage
				Screen time
				App battery usage
				Open by default
				Unused app settings
				Advanced
				Store
	Display	Display size and text	Font size	
			Display size	
			Bold text	
			Outline text	
			Rest settings	
		Color and motion	Color inversion	Use color inversion
				Color inversion shortcut
			Dark theme	Use Dark theme
				Schedule
				Modes settings
			Experimental	Color correction
				Remove animations

Menu	Sub-menu	Menu Option		
Accessibility	Display	Magnification	Magnification shortcut	Accessibility button
				Accessibility gesture
				Volume keys
				Advanced
			Magnification type	Magnify full screen
				Magnify part of screen
			Magnify typing	
			Keep on while switching apps	
	Interaction controls	Accessibility Menu	Options	Accessibility Menu shortcut
				Settings
				App info
		Timing controls	Touch & hold delay	Short
				Medium
				Long
			Time to take action (Accessibility timeout)	Default
				10 seconds
				30 seconds
				1 minute
				2 minutes
		System controls	Navigation mode	Gesture navigation
			3-button navigation	Hold Home for Assistant
			Traditional navigation	

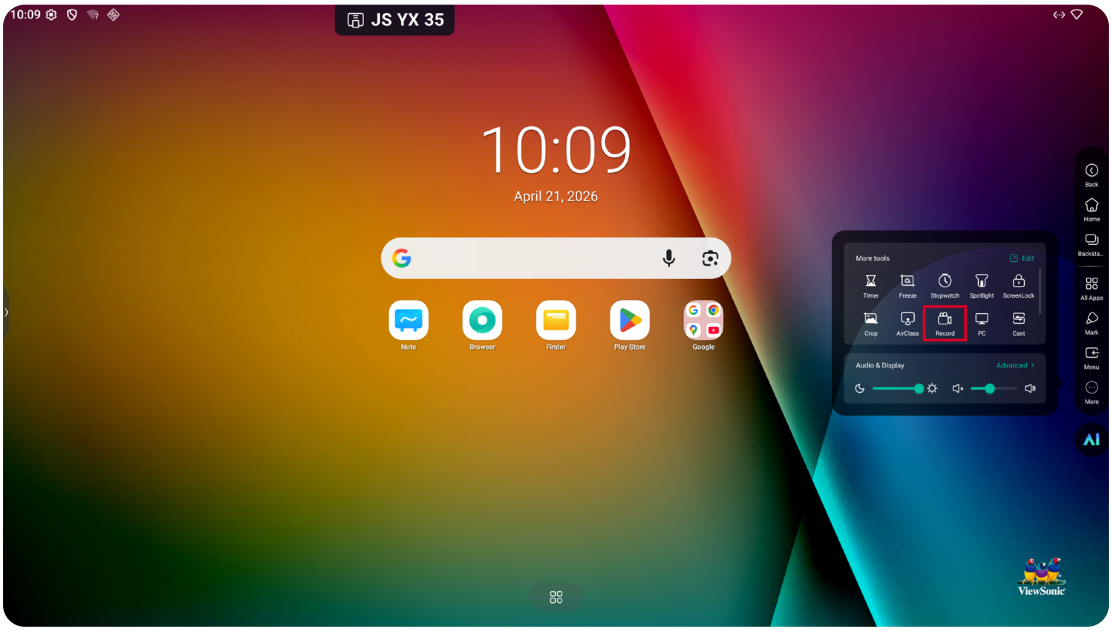
Menu	Sub-menu	Menu Option		
Accessibility	Interaction controls	Physical keyboard accessibility	Accessibility	Sticky keys
				Bounce keys
				Slow keys
				Mouse keys
	Captions	Live Caption	Use live Caption	
			Settings	
			Languages	Caption languages
			Caption preference	Show captions
				Caption size and style
				More option
			Expressive captions	Use expressive captions
				Add style to captions
				Show sound labels
				Lengthen words
			Hide profanity	
			Live caption in volume control	
			Live caption in calls	
			Type responses during calls	
			Voice for typed responses	Response language
				Voice A - H
		Caption preference	Show captions	
			Caption size and style	
			More option	

Menu	Sub-menu	Menu Option		
Accessibility	Audio	Audio description		
		Flash notifications	Screen flash	Screen flash color
		Audio adjustment	Mono audio	
			Audio balance	
	General	Accessibility shortcuts	Accessibility button	
			Volume keys shortcut from lock screen	
		Text-to-speech output	Preferred engine	Speech Recognition and Synthesis from Google
			Language	
			Speech rate	
			Pitch	
			Play	
			Reset	
		Startup & shutdown	Startup settings	Startup source
				Standby (Black screen) after startup
				Signal Detection Wake
			Energy saving	Auto standby
				Auto shutdown
			Schedule	Starup/shutdown task
				Ask before shutting down

Pre-installed Applications and Settings

Record

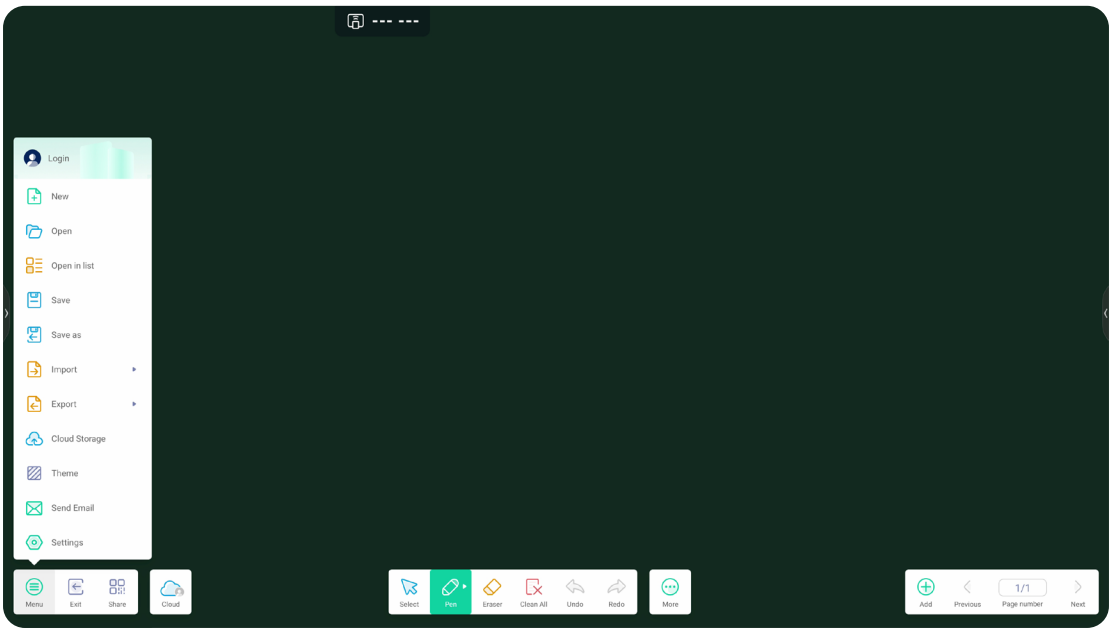
Capture everything that is displayed on screen in a video format.



1. Select the **Record** icon under **More**.
2. Select the preferred recording configurations.
3. Touch the check mark and a three second countdown will begin. Screen recording will begin immediately after the countdown.
4. After stopping the recording, you will be able to preview the video, save it, or discard it.

Note

A digital whiteboarding application.



Toolbar

Item		Description
	Menu	Create new, open, save, import and export files. Set up cloud storage, themes and adjust other settings.
	Exit	Close the Note application.
	Share	Share the canvas via QR code.
	Cloud	Online storage account login.
	Selection	Select objects, text, and other elements on the canvas.
	Write	Writing tools and customization options.
	Eraser	Erase objects.
	Clean	Clear the canvas.
	Undo	Undo the previous action.
	Redo	Redo the previous action.

Item		Description
	**More**	Open more tool applications.
	**Add**	Add a new canvas.
	Previous	Go to the previous page (if the canvas has multiple pages).
	**Page**	Indicates the page number.
	Next	Go to the next page (if the canvas has multiple pages).

Menu

Item		Description
	**Login**	Log into the Note application.
	**New**	Create a new file.
	**Open**	Open or import a file.
	**Open in list**	Open a list of local files.
	**Save**	Saves the file to a specified location.
	**Save as**	Saves the file as a copy to the specified location.
	**Import**	Import a file. IMG, PDF, SVG, and IWB are supported.
	**Export**	Export the current file. IMG, PDF, SVG, and IWB are supported.
	**Cloud storage**	Upload, open, or download a file from cloud services. Google Drive and OneDrive are supported.
	**Theme**	Change the template and background.
	**Send Email**	Send the current page to a specific email address.
	**Settings**	Adjust the settings.

More

Item		Description
	**Ruler**	Select a ruler type.
	**Shape**	Create 2D and 3D shapes.
	**Sticky Note**	Create a note.
	**Mind Map**	Create a mind map.
	**Table**	Create a form and set the quantity of columns and rows.
	**Grid**	Create a grid.
	**Partition**	The split screen function evenly divides the main screen into two to four independent small split screens, supporting multiple users to use the main screen at the same time for simple operations (e.g., writing, erasing and clearing the screen).
	**Formula**	Create a formula.
	**Periodic**	View the periodic table.
	**Planet**	A planetary simulation map.
	**Activities**	Interactive activity games.
	**Simulation**	Simulated experimental operation.
	**Search**	Search for pictures and videos online by connecting to a network. Then, you can move pictures or videos to the whiteboard.
	**Wikipedia**	Directly access Wikipedia.
	**Molecular**	Teaching application of molecular permutations and combinations.
	**Geometric**	Geometry teaching program.

Item		Description
	**3D Calculator**	3D calculation formula teaching program.
	**Scientific**	Scientific calculator.

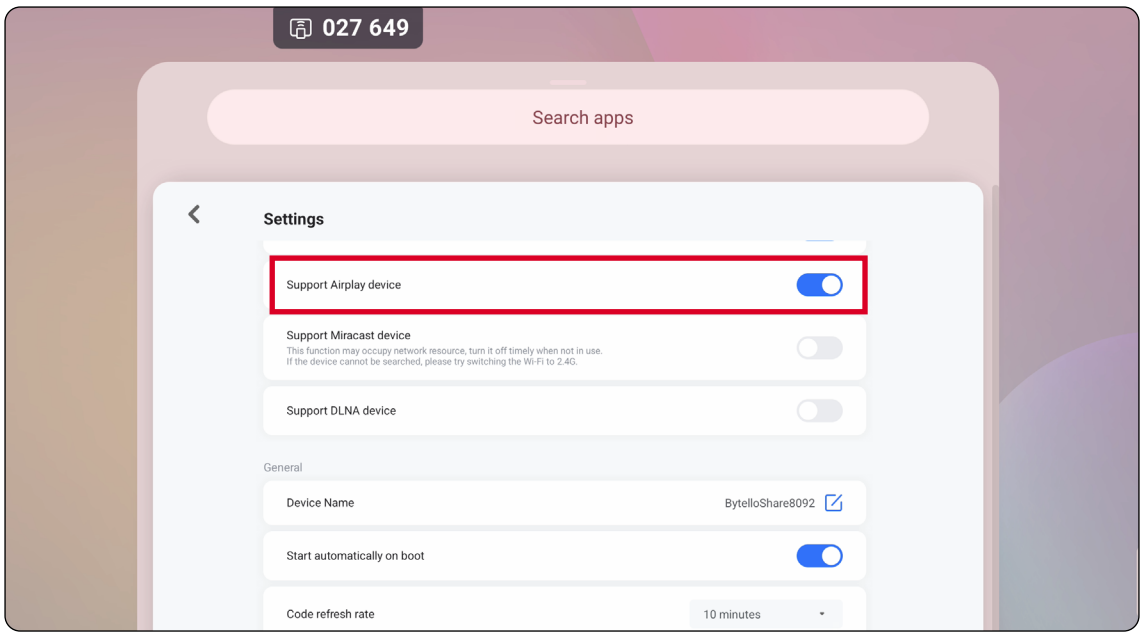
Bytello Share

Screen Casting

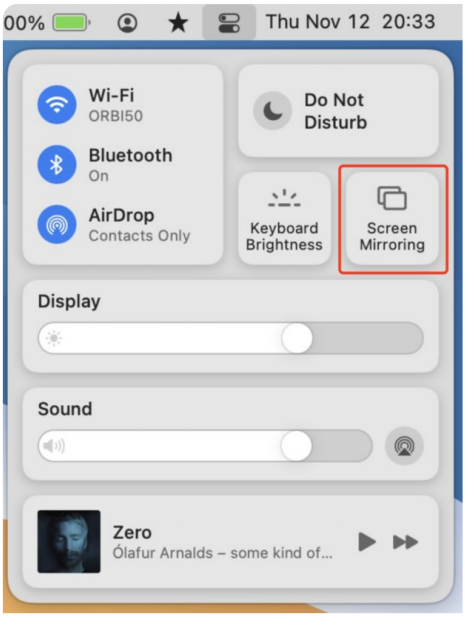
Screen Casting by Standard Protocol

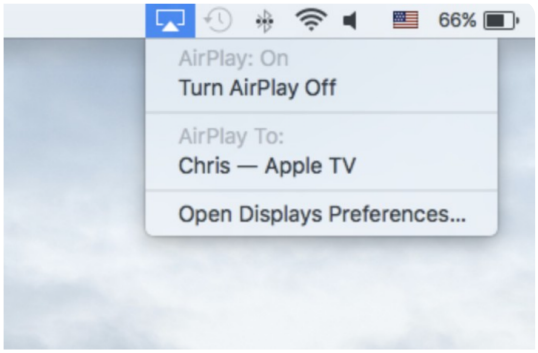
AirPlay

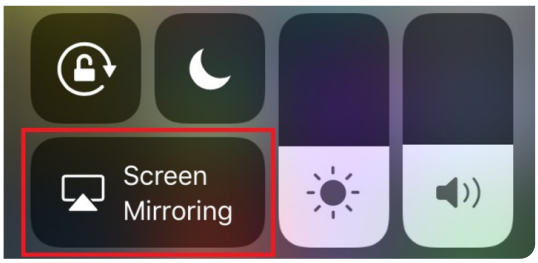
Note: Airplay is disabled by default, enable it in the display's settings first.



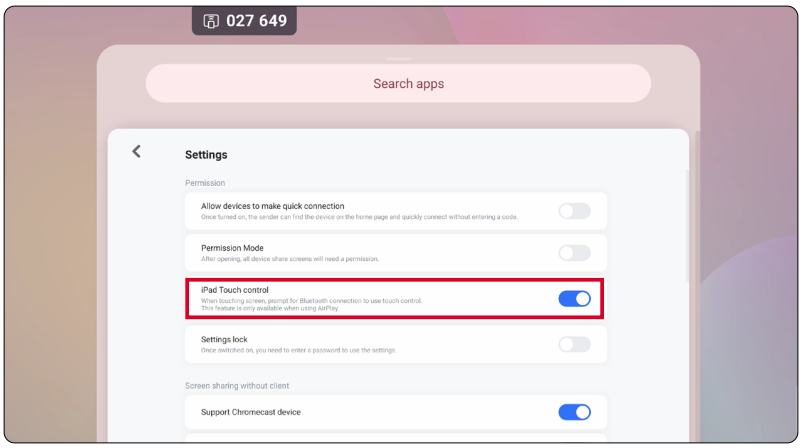
When an Apple device is in the same network with the Bytello Share server. You can cast the screen by choosing the "Screen Mirroring" from the Control Center.







Note: While casting from an iPad, touch control can be enabled in the display's settings. Bytello Share will require a Bluetooth connection to enable reverse touch control.



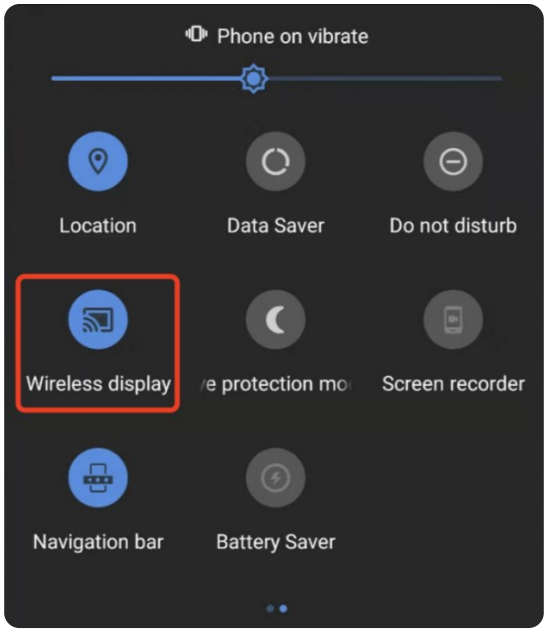
Android, Miracast, Chromecast

Note:

- Miracast and Chromecast are disabled by default, enable them in the display's settings first.
- For Miracast, please make sure the client device is nearby the display.
- For Chromecast, please make sure the client device and display are connected to the same network.

Android Device

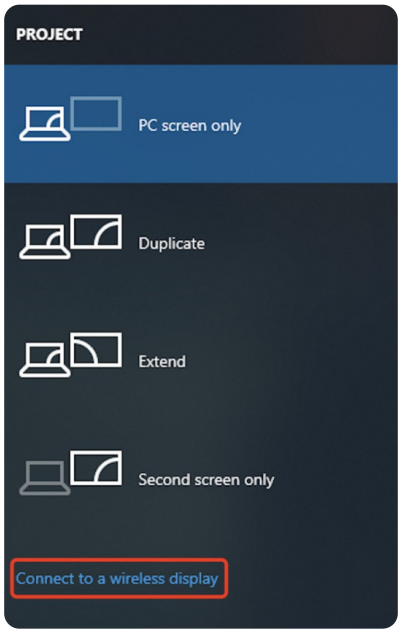
On the Android device, select "Wireless Display"/"Cast", then select the target display.



Windows Device

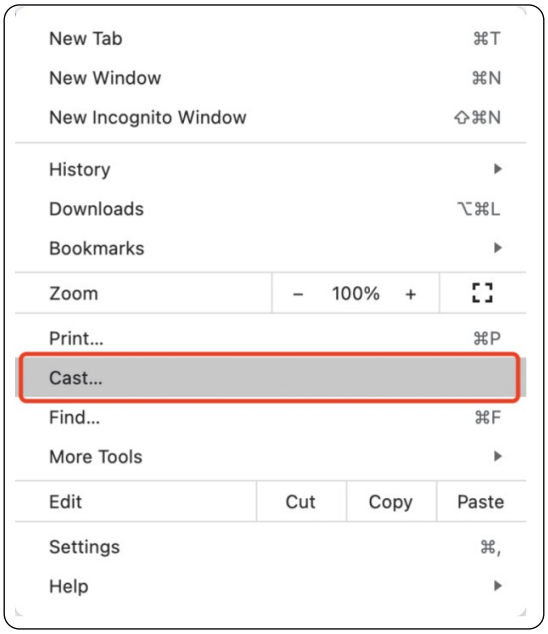
On the Windows device, press **Win+P** and select “Connect to a wireless display”, then select the target display.

Note: Not all Windows devices support Miracast.



ChromeOS Device/Chrome Browser

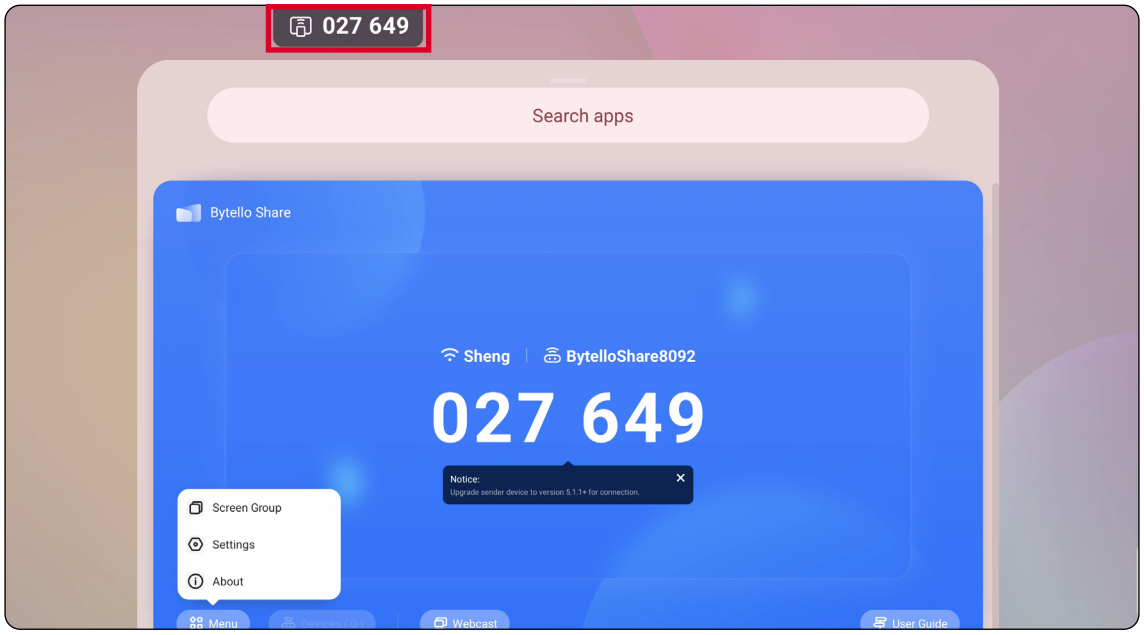
On the device, select “Cast”, then select the target display.

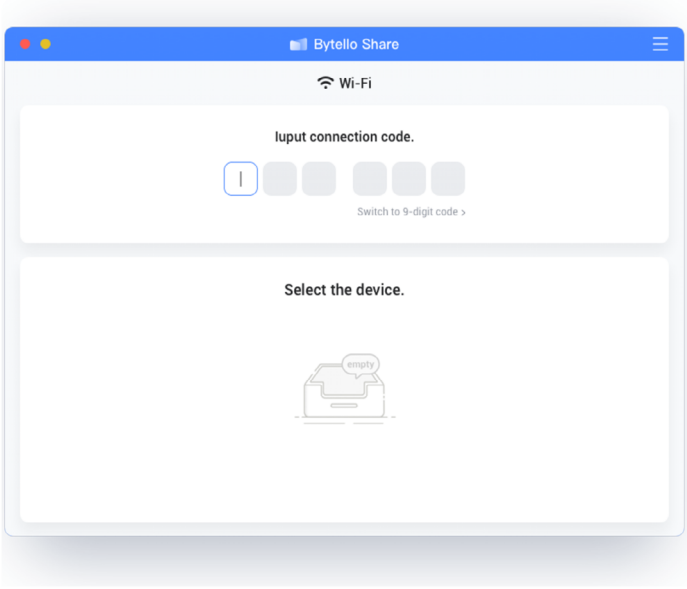


Screen Casting by Client Application

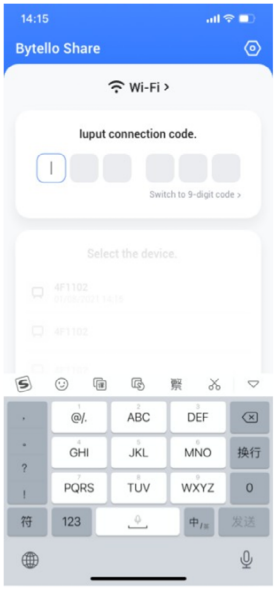
Connect with a Code

A connection code will be displayed at the top of the display's screen. Input the code on the client device to connect with the display.





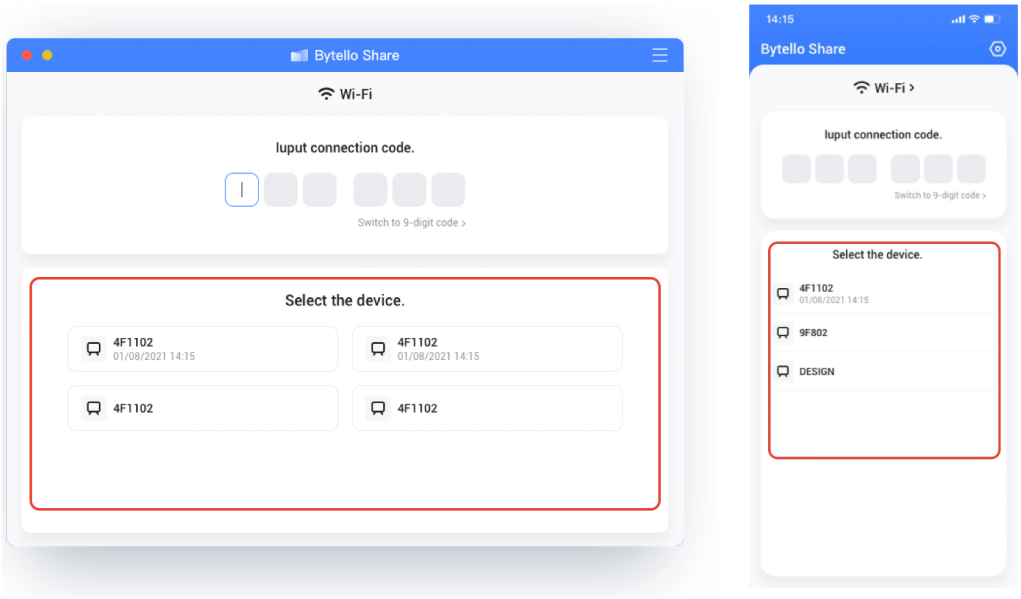
mac OS



iOS

Connect by Discovery

You can also directly connect to the display by selecting from the device list.



mac OS iOS

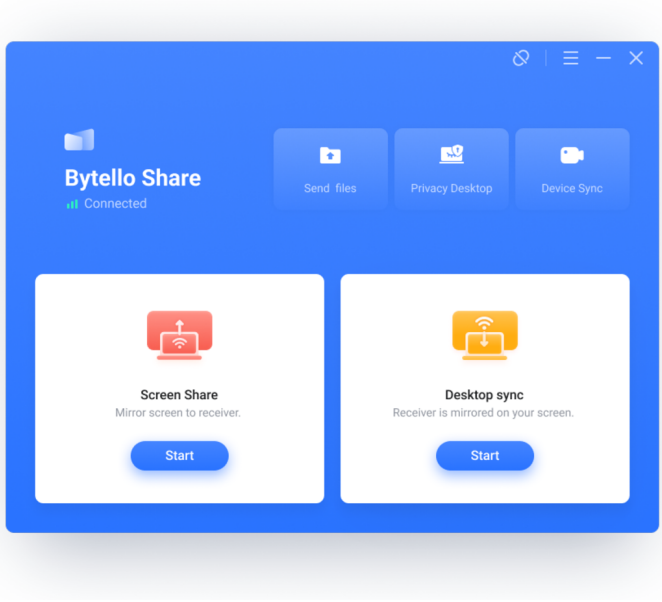
Peer-to-Peer Screen Sharing

Note: Only for Windows and Android.

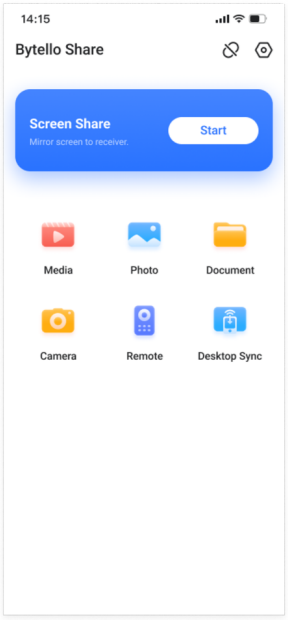
Turn on Wi-Fi on both the display and the client device. The two devices will be able to discover each other and connect to start screen sharing.

Screen Share

Select **Start** to start casting to the display.



Windows



Android

Note: For Windows/macOS you can share one application or window instead of the entire desktop.

Quick Screen Sharing by the System Menu

For Windows/macOS:

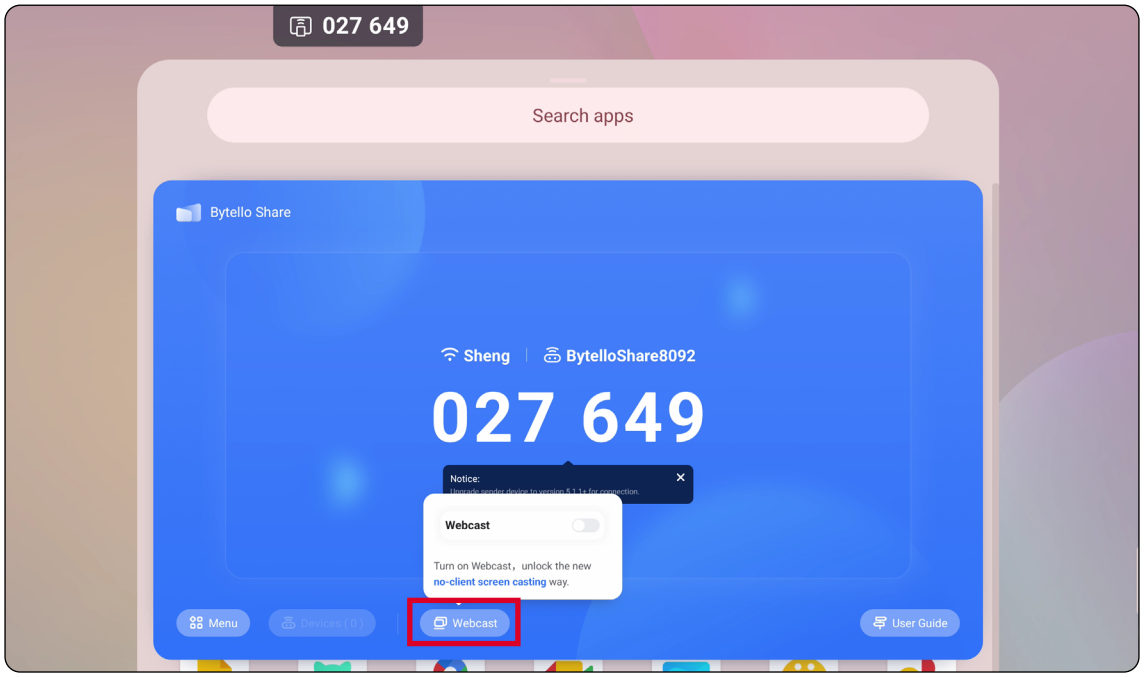
1. Select a file, then open the system menu.
2. Select “Mirror to receiver”.

For Android/iOS:

1. Select a file, then open the system sharing menu.
2. Select Bytello Share.

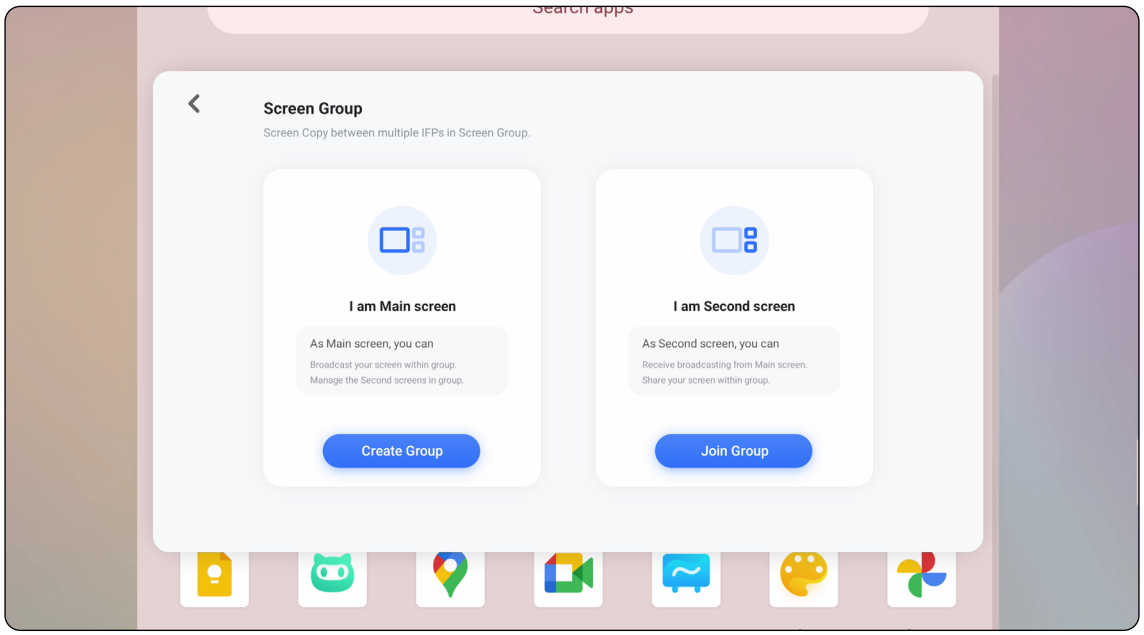
Screen Casting by Web

A connection code will be displayed at the top of the display's screen. Visit https://share.bytello.com on a computer and input the code on the client device to connect with the display.



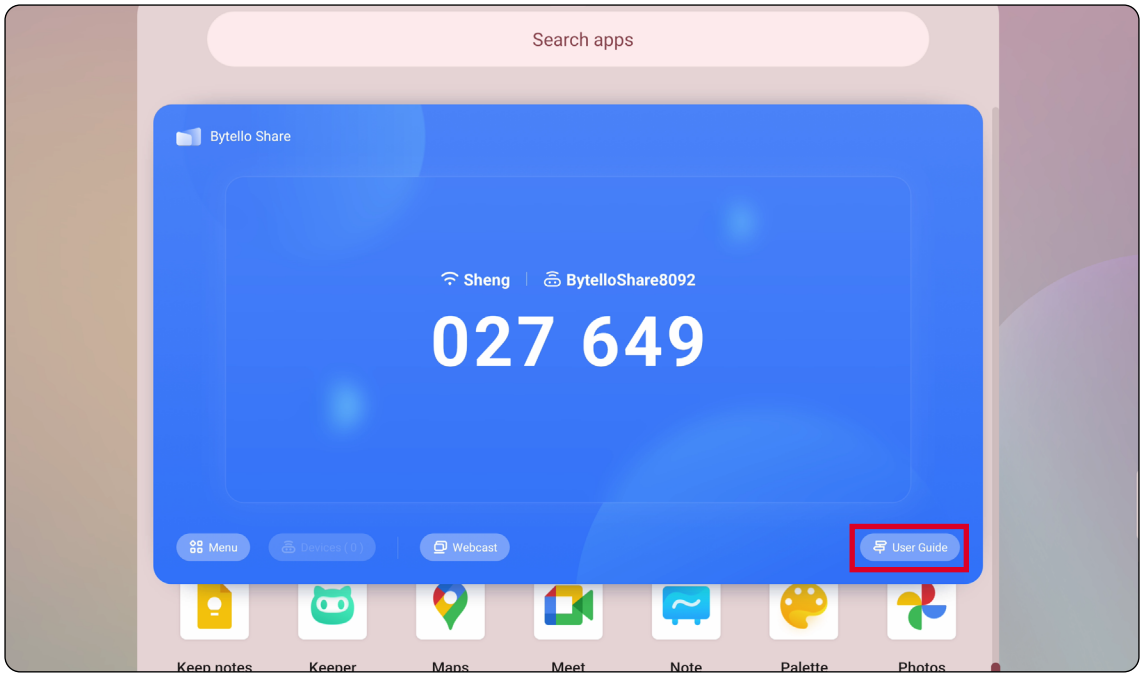
Screen Group

Create a group of several displays. The “Main screen” of the group can share its screen to all “Second screens”. “Second screens” can share with the “Main screen” and group.



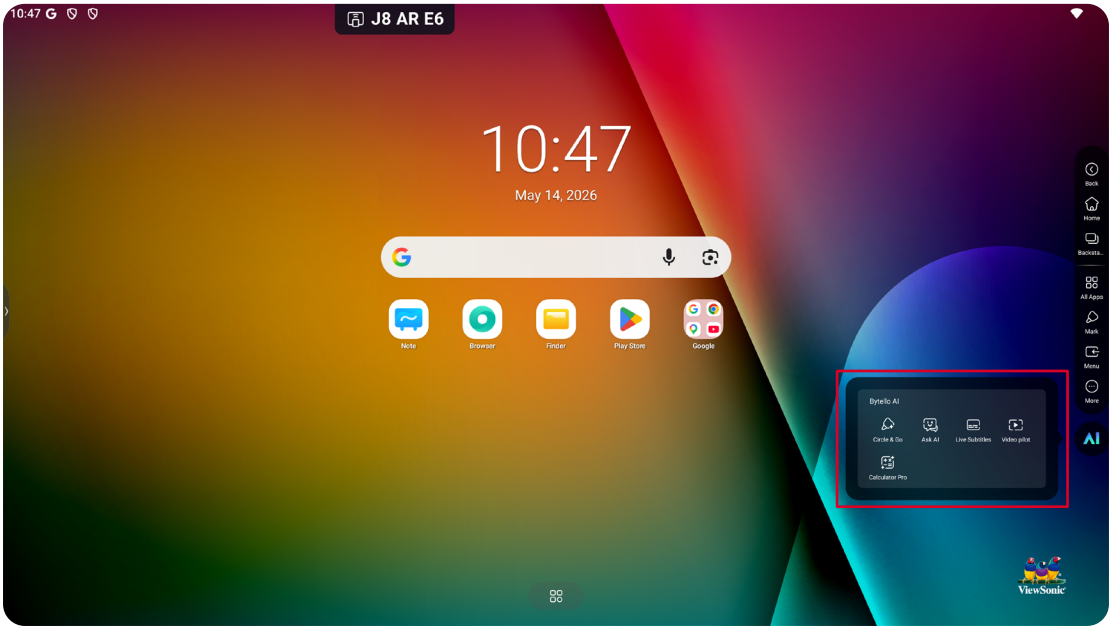
User Guide

The guide will show you how to connect using Bytello Share and share a screen.



Bytello AI

A virtual teaching assistant designed to improve teaching efficiency and the interactive learning experience across various school scenarios.

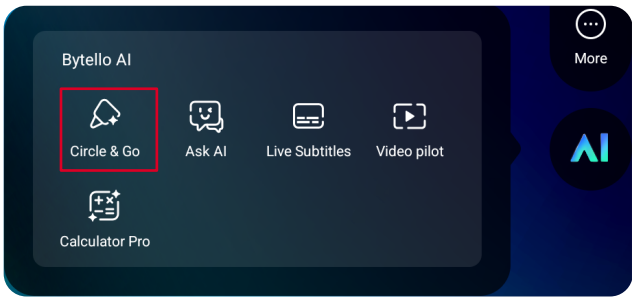


Item		Description
Circle & Go	**Circle & Go**	Select any content on the screen to generate relevant knowledge point summaries, multimedia resources, or questions.
Ask AI	**Ask AI**	Execute voice[1]/text instructions and answer questions.
Live Subtitles	**Live Subtitles**	Generate real-time subtitles and translations for video or audio.
Video pilot	**Video Pilot**	Analyze video content to generate text summaries and key knowledge points.
Calculator Pro	**Calculator Pro**	Solve mathematical problems and visualize equations through handwritten input and function image generation.

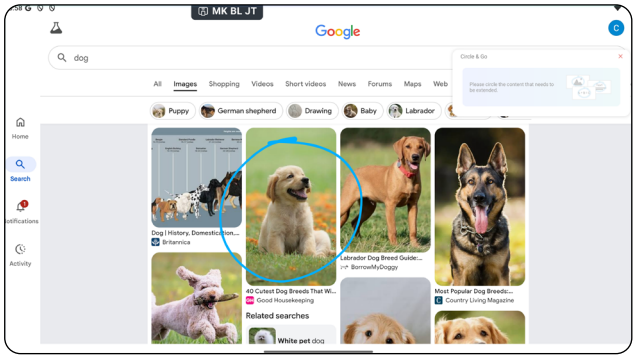
1 - To use voice input on an IN05 model, connect an external microphone to the **Audio In** port.

Circle & Go

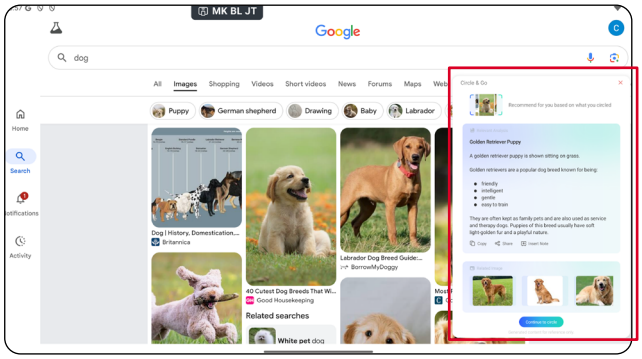
1. Select **Circle & Go**.



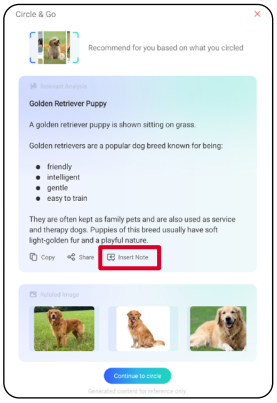
2. Use the included Active Pen or your finger to draw a closed loop around the target content.



3. In the pop-up window, view the generated knowledge point summaries, images, videos, or test questions.



4. (Optional) To add the generated response into your teaching material, select **Insert Note**.



Ask AI

You can use **Ask AI** to adjust system settings, manage files and applications, or create graphics by entering something like:

System Control

- “Return to Home Page.“
- “Back.“
- “It’s too dark. Increase the brightness.“
- “Set the brightness to 50.“
- “The volume is too low. Increase the volume.“
- “Mute.“
- “Unmute.“
- “Shutdown“

Files and Applications

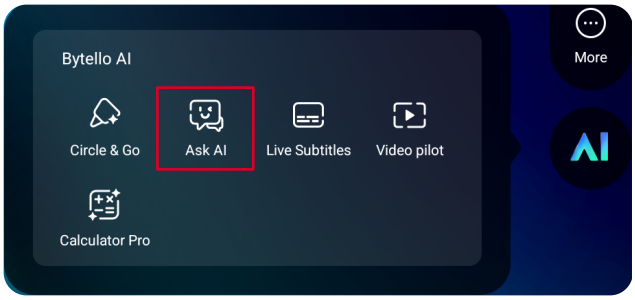
- “View Download folder.“
- “Open Final Assignment.pptx.“
- “Open Browser.“
- “Close Google Map.“
- “Search for the latest progress in artificial intelligence.“

Drawing

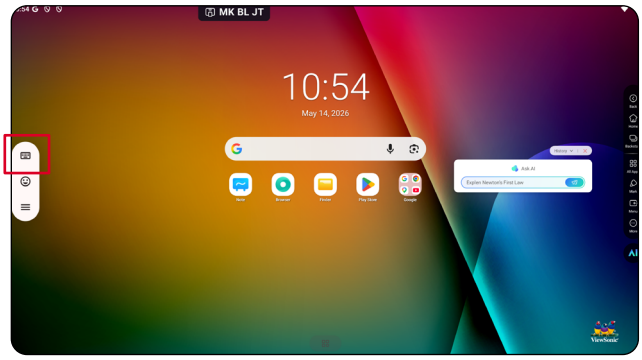
- “Insert a circle.“
- “Insert a red rectangle.“
- “Generate a mind map about Darwin’s theory of evolution.“
- “Change this color to blue.“
- “Switch to Marker.“

Using Ask AI

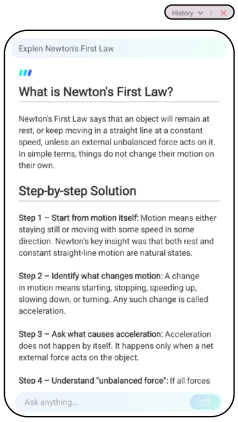
1. Select **Ask AI**.



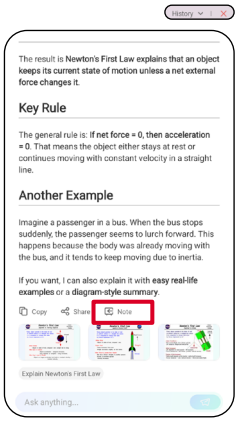
2. Enter a request or a question in the text box using the virtual keyboard.



3. **Ask AI** executes the request or returns a response.

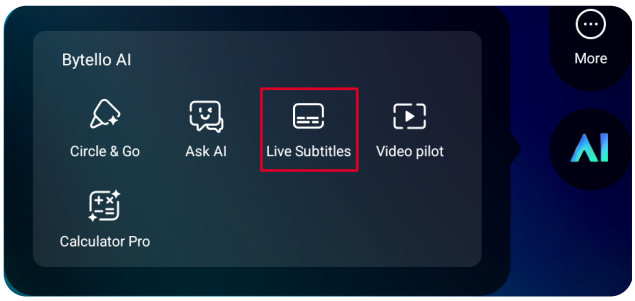


4. Either continue the conversation for more detail, or select **Note** to add the generated response to your teaching material.

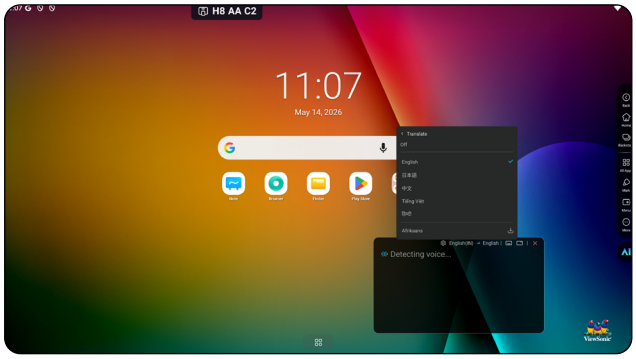


Live Subtitle

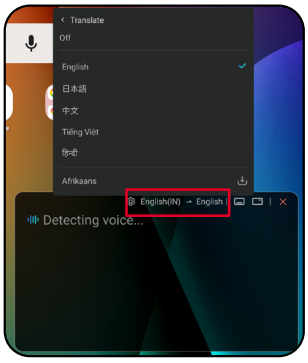
1. Select **Live Subtitle**.



2. Adjust the settings for the subtitle, such as the language, position, and window size.

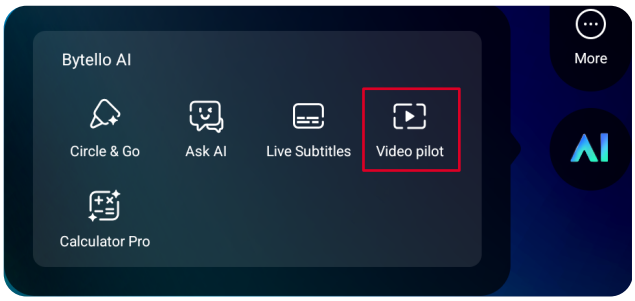


3. (Optional) To translate, select the source and target languages.



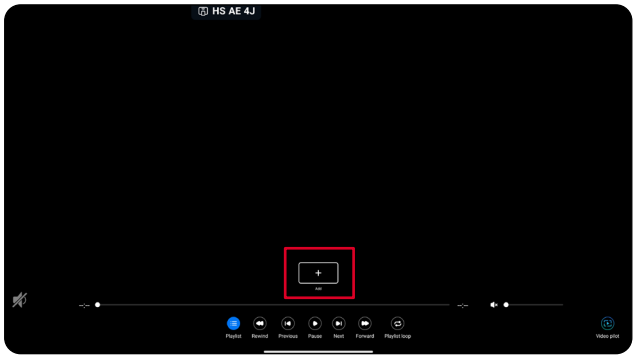
Video Pilot

1. Select **Video Pilot**.

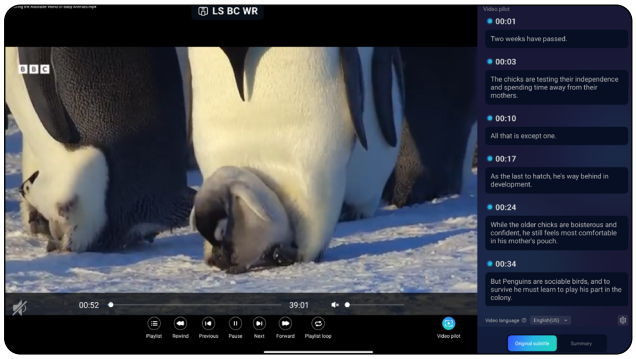


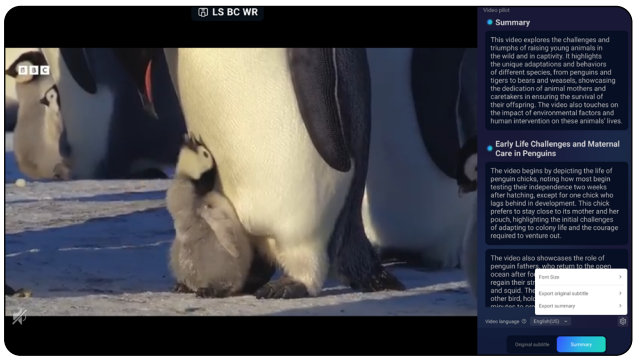
2. Select the plus "+" icon to upload the video.

   Note: The supported multimedia format: MP4 and AVI.

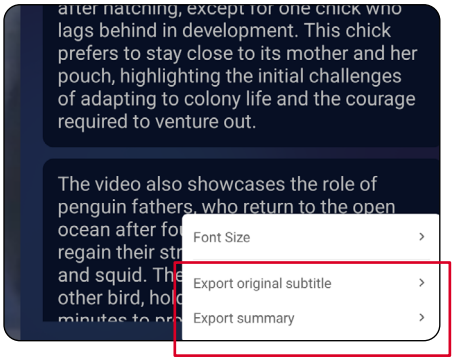


3. **Video Pilot** generates an abstract for each knowledge point with a timestamp, or a summary of its core content.



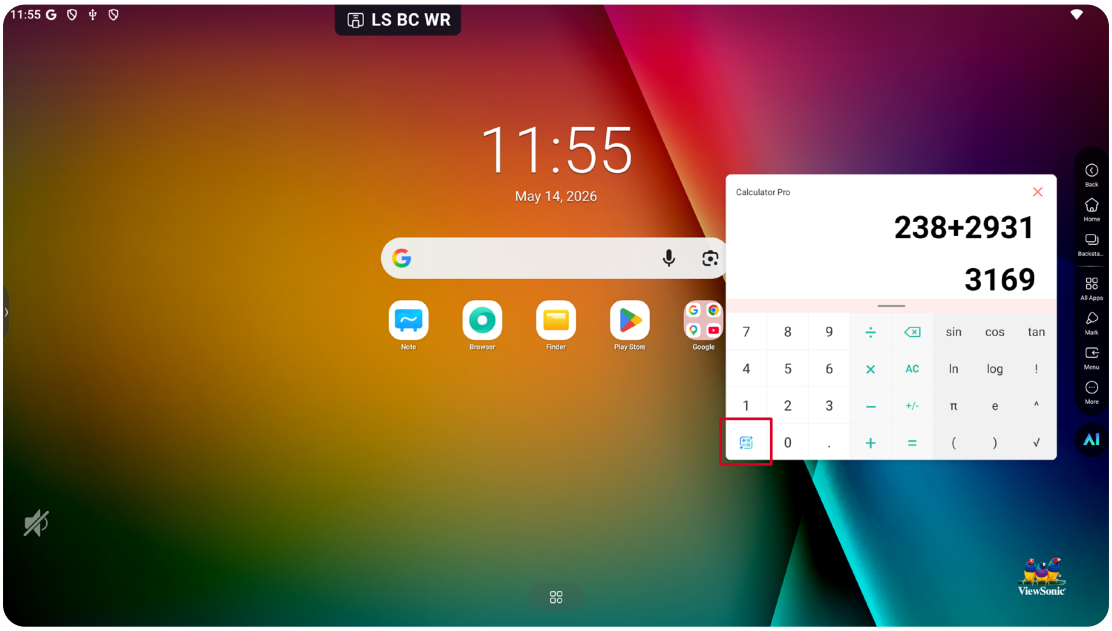


4. (Optional) To export the generated summary, select **Export summary**, or **Export original subtitle.**



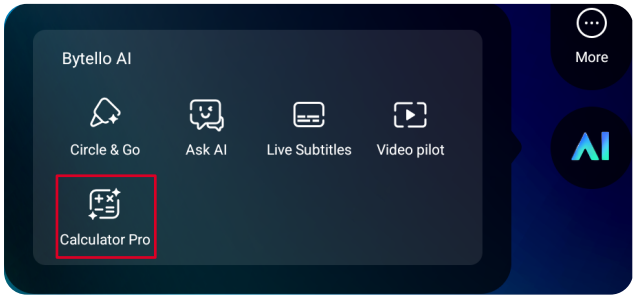
Calculator Pro

Note: You can also open **Calculator Pro** from the Toolbar by selecting **More** > **Calculator**.

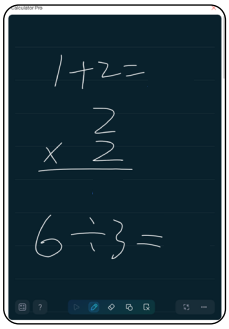


- To calculate handwritten arithmetic expressions or formulas:

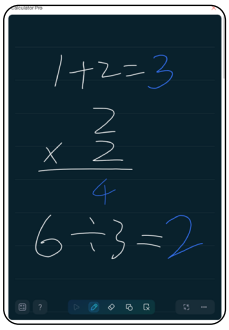
1. Select **Calculator Pro**.



2. Use the included Active Pen or your finger to write an arithmetic expression or formula in the whiteboard area.

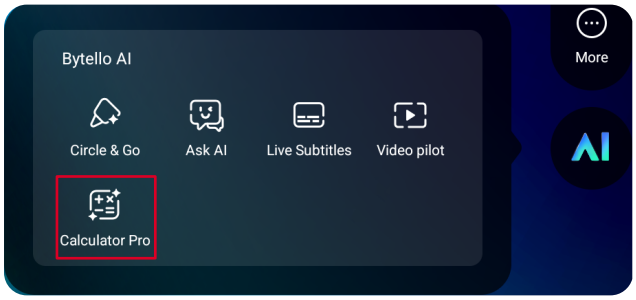


3. The results are calculated when **Calculator Pro** recognizes the equal (“=“ or “-“) sign.



- To calculate the area, dimensions, and properties of a math shape:

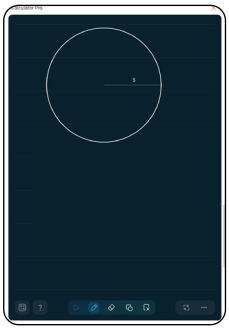
1. Select **Calculator Pro**.



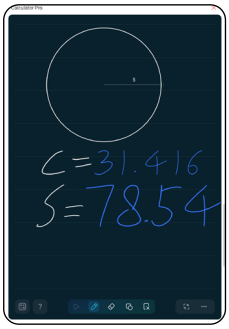
2. Use the included Active Pen or your finger to select a math shape and provide its dimensions (such as a radius/ height/width).

Note: Only support circles, squares, triangles, and trapezoids.





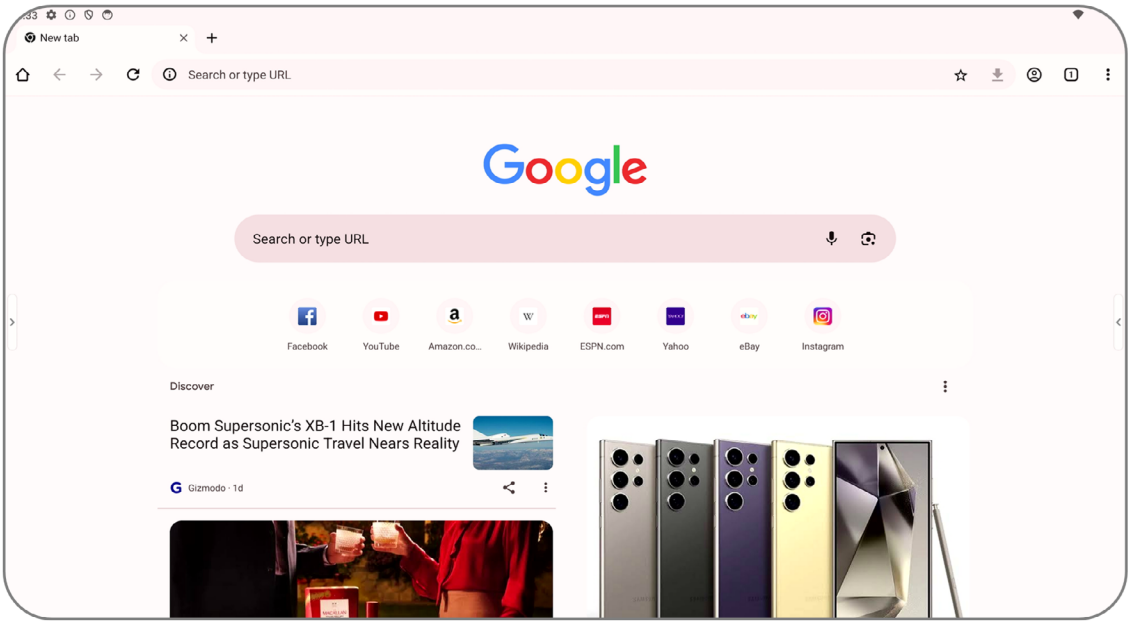
3. The results are calculated when **Calculator Pro** recognizes the formula.



Other Default Applications

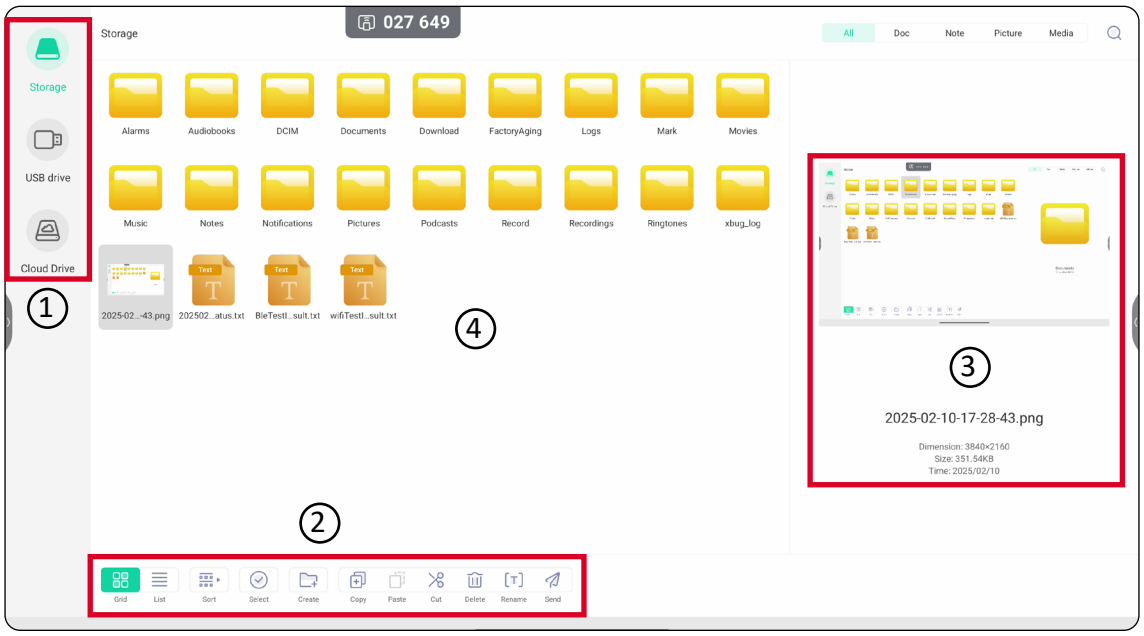
Browser

Web browser for surfing the Internet.



Finder

Manage files and folders.



1. Storage Device Display

Select the appropriate storage device.

2. Icons

Item		Description
	Grid	Display files by thumbnail view
	List	Display files by list view
	Sort	Sort the files
	Select	Select a file
	Create	Create a new folder
	Copy	Copy a file
	Paste	Paste a file
	Cut	Cut a file
	Delete	Delete a file
	Rename	Rename a file

Item		Description
	**Send**	Share a file

3. File Information

Preview the file, show the file's name, size, resolution, and creation date.

4. Main Display Area

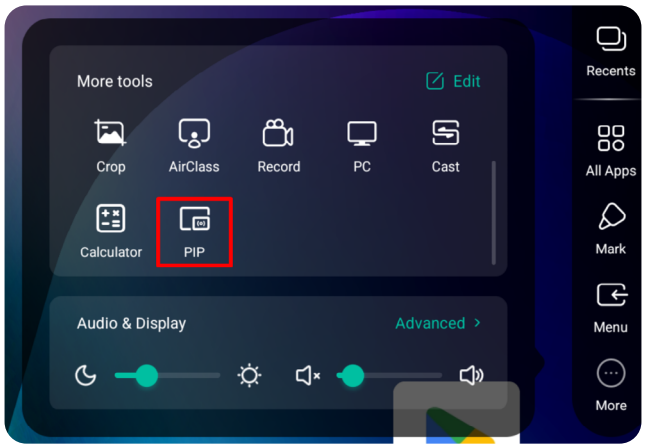
Display files of corresponding type.

PIP (Picture-in-Picture)

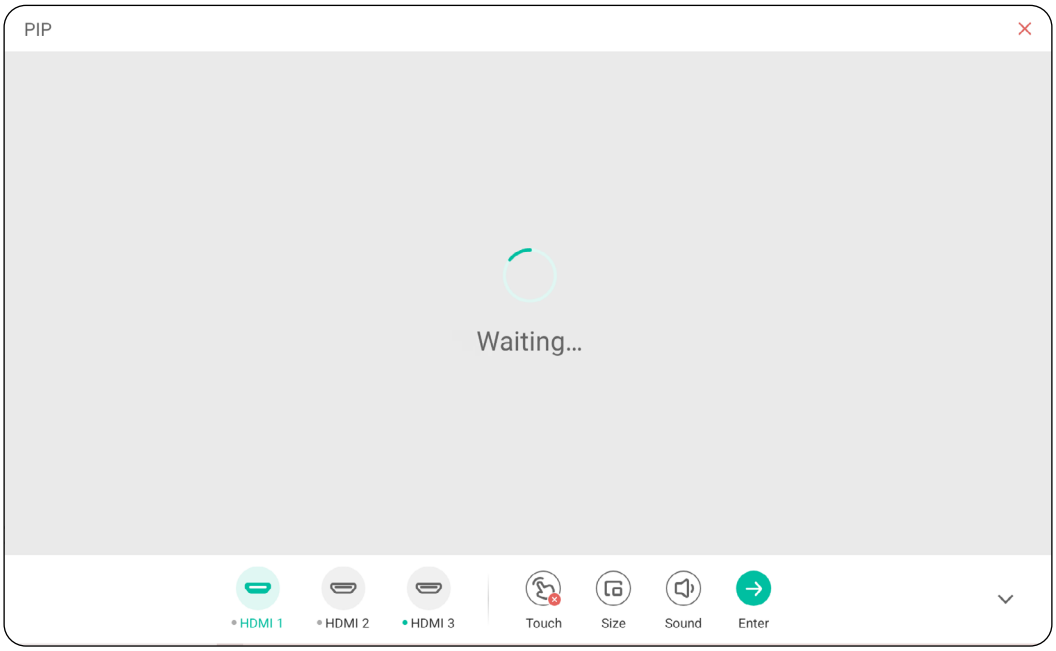
Split the screen into two parts, a main window and an inset window.

Note: PIP only works between an Android application and an external source.

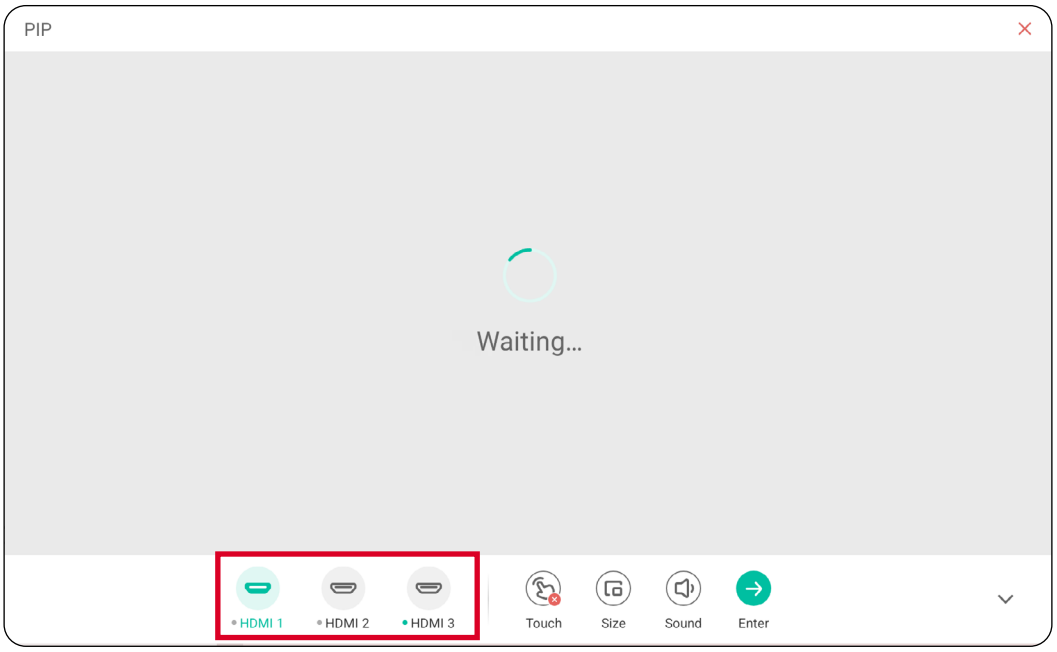
- To open PIP, select **More** > **PIP**.



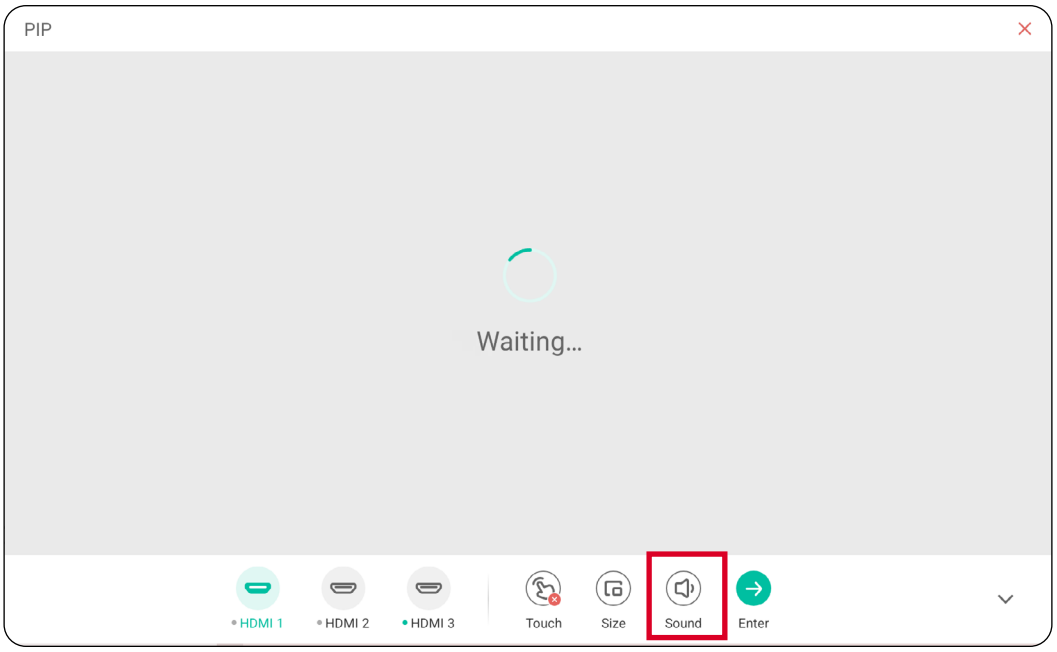
- To adjust the size of the inset window, select **Size**.



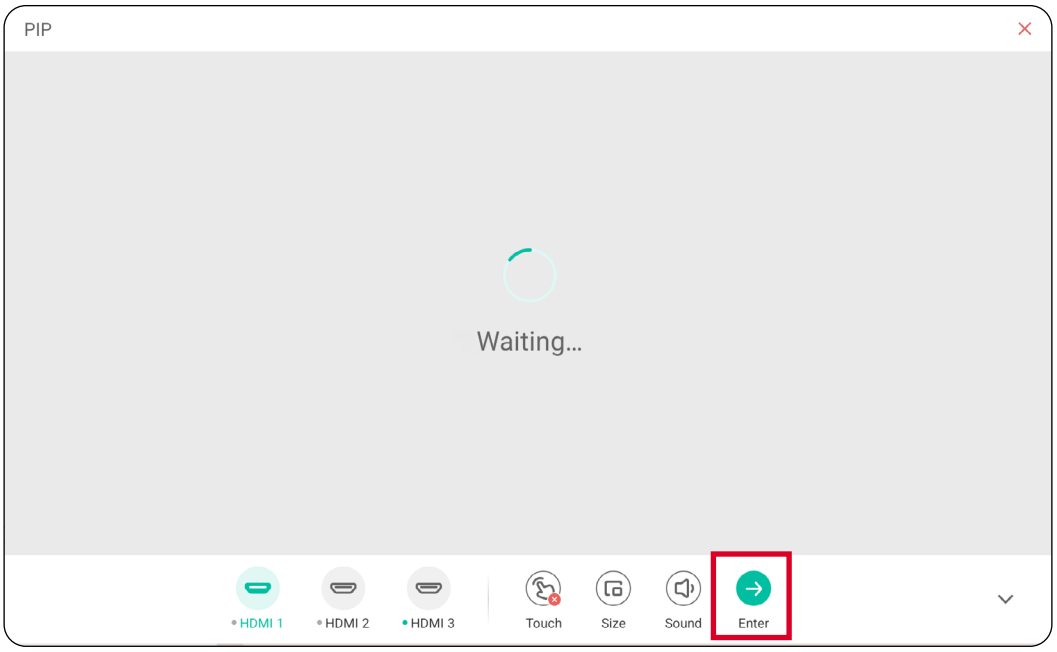
- To change **PIP** input source, select **HDMI 1**, **HDMI 2**, or **HDMI 3**.



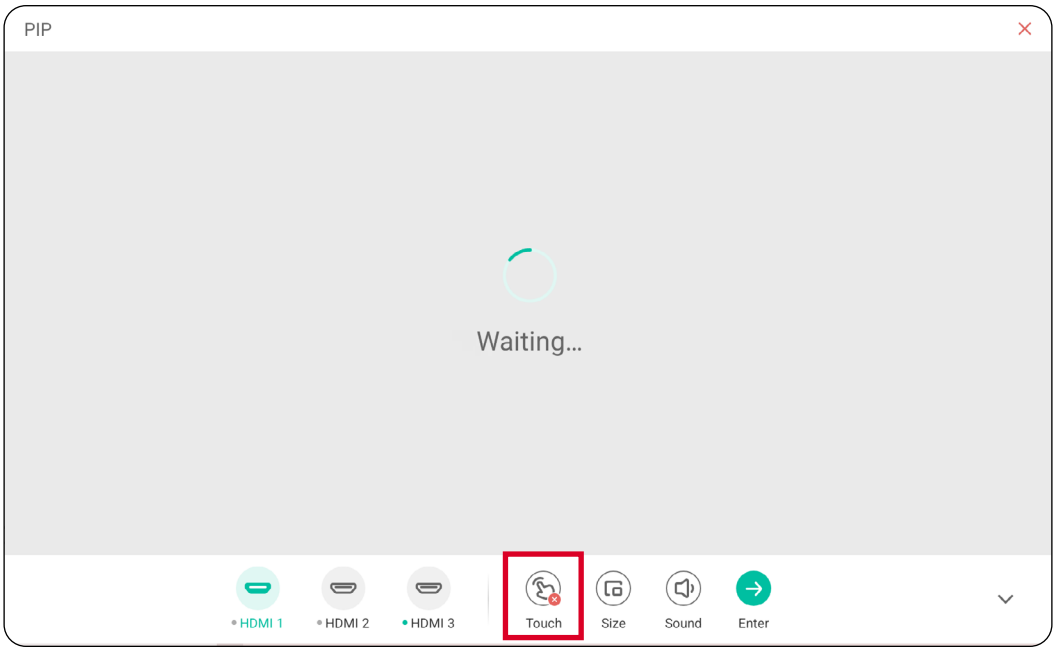
- To control the connected external device's volume, select **Sound**.



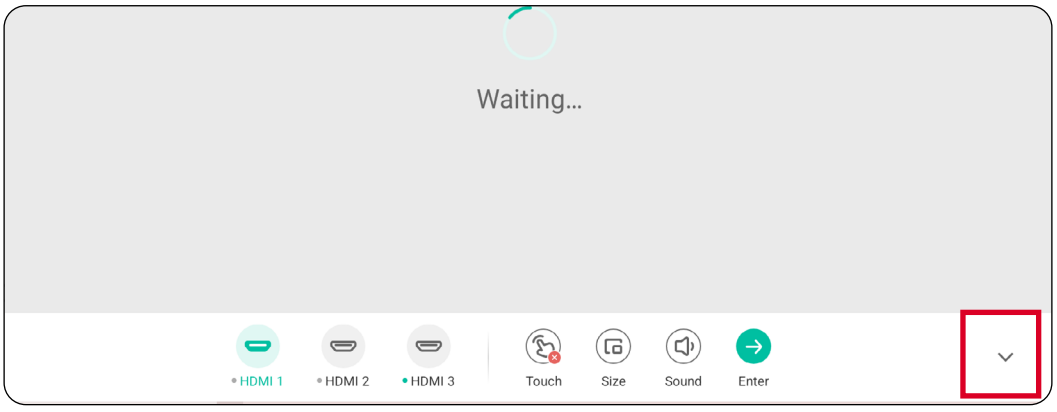
- Select **Enter** to switch to the PIP input source.



- To perform touch control on connected external devices, select **Touch**.



- Select the down arrow to switch to full screen mode.



RS-232 Protocol

This document describes the hardware interface and software protocols of RS-232 interface communication between the ViewSonic LED Display and computers or other control units with RS-232 protocol.

The protocol contains three command sections:

- Set-Function
- Get-Function
- Remote control pass-through mode

Note: Below, “PC” represents all the control units that can send or receive the RS-232 protocol command.

Description

RS-232 Hardware Specification

ViewSonic LFD communication port on the rear side:

1. Connector type: DSUB 9-Pin Male
2. Use of straight-through (null modem) cable for connection
3. Pin Assignment:

Male DSUB 9-Pin



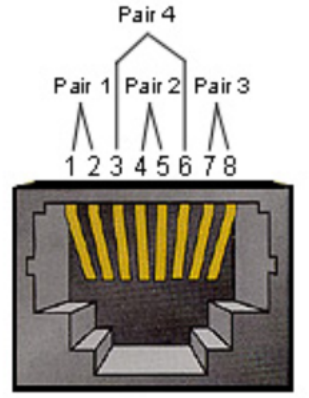
Pin #	Signal	Remark
1	NC	
2	RXD	Input to Display
3	TXD	Output from Display
4	NC	
5	GND	
6	NC	
7	NC	
8	NC	
9	NC	
frame	GND	

LAN Hardware Specification

ViewSonic LFD communication port on the rear side:

1. Connector type: 8P8C RJ45

2. Pin Assignment:



Pin #	Signal	Remark
1	TX+	Output from Display
2	TX-	Output from Display
3	RX+	Input to Display
4	BI_D3+	For 1G case
5	BI_D3-	For 1G case
6	RX-	Input to Display
7	BI_D4+	For 1G case
8	BI_D4-	For 1G case
frame	GND	

RS-232 Communication Setting

- Baud Rate Select: 9600 bps (fixed)
- Data bits: 8 bits (fixed)
- Parity: None (fixed)
- Stop Bits: 1 (fixed)

LAN Communication Setting

Type:	Ethernet
Protocol:	TCP/IP
Port:	5000 (fixed)
WOL Port:	9 (fixed) for UDP*3.2.0
Cross subnet:	No
Logon Credentials:	No

Command Format

byte1 byte2 byte3 byte4 byte5 byte6 byte7 byte8 byte9

Command Description

byte1: always 3A, representing the start of the command.

byte2, byte3: always 30 31, indicating that the machine whose machine ID is 1 responds to the command.

byte4: 53 indicates that the command is a set command; 47 indicates that the command is a get command.

byte5: Indicates the type of command, such as Power is 30, Treble is 31, Volume is 38, etc.

byte6, byte7, byte8: data information of the command, such as 30 30 30 is 0, 30 31 32 is 12, 31 30 30 is 100.

byte9: always 0D, representing the end of the command.

Protocol

Set-Function Listing

The PC can control the Display for specific actions. The Set-Function command allows you to control the Display behavior at a remote site through the RS-232 port. The Set-Function packet format consists of 9 bytes.

Item	Description	
Communication Configuration	Communication interface	RS-232
	Communication protocol	Uart
	Baud rate	9600
	Data bits	8
	Stop bits	1
	Parity check	None
Packet Description	Packet byte encoding	Hexadecimal
	Is there a maximum limit on the package length	No
	Whether there is package verification	No

Set-Function Table (Basic Function)

Description	Cmd (Hex)	Value	Command	Reply	Note
Power	30	000 : backlight off	3A 30 31 53 30 30 30 30 0d	Set success reply: 34 30 31 2B 0D Set fail reply: 34 30 31 2D 0D	
		001 : backlight on	3A 30 31 53 30 30 30 31 0d		
		002 : power off	3A 30 31 53 30 30 30 32 0d		
		003 : power on	3A 30 31 53 30 30 30 33 0d		Only supports RS-232; does not support LAN
		004: reboot	3A 30 31 53 30 30 30 34 0d		
Treble	31	-xx: -5~0	3A 30 31 53 31 2D 30 33 0d		e.g., set treble to -3
		+xx: 0~5	3A 30 31 53 31 2B 30 33 0d		e.g., set treble to 3
Bass	32	-xx: -5~0	3A 30 31 53 32 2D 30 35 0d		e.g., set bass to -5
		+xx: 0~5	3A 30 31 53 32 2B 30 35 0d		e.g., set bass to 5
Balance	33	-xx: -50~0	3A 30 31 53 33 2D 35 30 0d		e.g., set balance to -50
		+xx: 0~50	3A 30 31 53 33 2B 32 30 0d		e.g., set balance to 20
Contrast	34	000 ~ 100	3A 30 31 53 34 30 35 30 0d		e.g., set contrast to 50
Brightness	35	000 ~ 100	3A 30 31 53 35 30 35 30 0d		e.g., set brightness to 50
Sharpness	36	000 ~ 100	3A 30 31 53 36 30 31 30 0d		e.g., set sharpness to 10S

Description	Cmd (Hex)	Value	Command	Reply	Note
Sound Mode	37	000 : Movie	3A 30 31 53 37 30 30 30 0d	Set success reply: 34 30 31 2B 0D Set fail reply: 34 30 31 2D 0D	
		001 : Standard	3A 30 31 53 37 30 30 31 0d		
		002 : Custom	3A 30 31 53 37 30 30 32 0d		
		003 : Classroom	3A 30 31 53 37 30 30 33 0d		
		004 : Meeting	3A 30 31 53 37 30 30 34 0d		
Volume	38	000 ~ 100	3A 30 31 53 38 30 35 30 0d		
Mute	39	000: Off	3A 30 31 53 39 30 30 30 0d		
		001: On	3A 30 31 53 39 30 30 31 0d		

Description	Cmd (Hex)	Value	Command	Reply	Note
Video Source	3A	000 : VGA	3A 30 31 53 3A 30 30 30 0d	Set success reply: 34 30 31 2B 0D Set fail reply: 34 30 31 2D 0D	
		001 : HDMI1	3A 30 31 53 3A 30 30 31 0d		
		002: HDMI2	3A 30 31 53 3A 30 30 32 0d		
		003 : AV	3A 30 31 53 3A 30 30 33 0d		
		022 : HDMI4	3A 30 31 53 3A 30 32 32 0d		
		021 : HDMI3	3A 30 31 53 3A 30 32 31 0d		
		031 : VGA2	3A 30 31 53 3A 30 33 31 0d		
		032 : VGA3	3A 30 31 53 3A 30 33 32 0d		
		051 : ATV	3A 30 31 53 3A 30 35 31 0d		
		101 : android	3A 30 31 53 3A 31 30 31 0d		
		103 : Slot in PC	3A 30 31 53 3A 31 30 33 0d		
		007 : Display Port	3A 30 31 53 3A 30 30 37 0D		
		102 : android +	3A 30 31 53 3A 31 30 32 0D		
		104 : Type-C1	3A 30 31 53 3A 31 30 34 0D		
		105 : Type-C2	3A 30 31 53 3A 31 30 35 0D		
		106: DTV	3A 30 31 53 3A 31 30 36 0D		
		107 : YPbpr	3A 30 31 53 3A 31 30 37 0D		
Aspect Ratio	3B	000 : 16:9	3A 30 31 53 3B 30 30 30 0d		
		001 : 4:3	3A 30 31 53 3B 30 30 31 0d		
		002 : PTP	3A 30 31 53 3B 30 30 32 0d		

Description	Cmd (Hex)	Value	Command	Reply	Note
Language	3C	000: English	3A 30 31 53 3C 30 30 30 0d	Set success reply: 34 30 31 2B 0D Set fail reply: 34 30 31 2D 0D	
		001: Français	3A 30 31 53 3C 30 30 31 0d		
		002: Español	3A 30 31 53 3C 30 30 32 0d		
		003: 繁中	3A 30 31 53 3C 30 30 33 0d		
		004: 簡中	3A 30 31 53 3C 30 30 34 0d		
		005: Português	3A 30 31 53 3C 30 30 35 0d		
		006: German	3A 30 31 53 3C 30 30 36 0d		
		007: Dutch	3A 30 31 53 3C 30 30 37 0d		
		008: Polish	3A 30 31 53 3C 30 30 38 0d		
		009: Russia	3A 30 31 53 3C 30 30 39 0d		
		010:Czech	3A 30 31 53 3C 30 31 30 0d		
		011:Danish	3A 30 31 53 3C 30 31 31 0d		
		012:Swedish	3A 30 31 53 3C 30 31 32 0d		
		013:Italian	3A 30 31 53 3C 30 31 33 0d		
		014:Romanian	3A 30 31 53 3C 30 31 34 0d		
		015:Norwegian	3A 30 31 53 3C 30 31 35 0d		
		016:Finnish	3A 30 31 53 3C 30 31 36 0d		
		017:Greek	3A 30 31 53 3C 30 31 37 0d		
		018:Turkish	3A 30 31 53 3C 30 31 38 0d		
		019:Arabic	3A 30 31 53 3C 30 31 39 0d		

Description	Cmd (Hex)	Value	Command	Reply	Note
Language	3C	020:Japanese	3A 30 31 53 3C 30 32 30 0d	Set success reply: 34 30 31 2B 0D Set fail reply: 34 30 31 2D 0D	
		021:Ukraine	3A 30 31 53 3C 30 32 31 0d		
		022:Korean	3A 30 31 53 3C 30 32 32 0d		
		023:Hungarian	3A 30 31 53 3C 30 32 33 0d		
		024:Perisan	3A 30 31 53 3C 30 32 34 0d		
		025:Vietnamese	3A 30 31 53 3C 30 32 35 0d		
		026:Thailand	3A 30 31 53 3C 30 32 36 0d		
		027:Catalan	3A 30 31 53 3C 30 32 37 0d		
		028:Lithuanian	3A 30 31 53 3C 30 32 38 0d		
		029:Croatian	3A 30 31 53 3C 30 32 39 0d		
		030:Estonian	3A 30 31 53 3C 30 33 30 0d		
Picture Mode	3D	000 : standard	3A 30 31 53 3D 30 30 30 0d		
		001 : bright	3A 30 31 53 3D 30 30 31 0d		
		002 : soft	3A 30 31 53 3D 30 30 32 0d		
		003 : customer	3A 30 31 53 3D 30 30 33 0d		
Hue (Color)	3E	000 ~ 100	3A 30 31 53 3E 30 33 30 0d		
Backlight	3F	000 ~ 100	3A 30 31 53 3F 30 35 30 0d		
Color Temp	40	000 : Cool	3A 30 31 53 40 30 30 30 0d		
		001 : Standard	3A 30 31 53 40 30 30 31 0d		
		002 : Warm	3A 30 31 53 40 30 30 32 0d		

Description	Cmd (Hex)	Value	Command	Reply	Note
Remote Control Command	41	000 : Vol +	3A 30 31 53 41 30 30 30 0d	Set success reply: 34 30 31 2B 0D Set fail reply: 34 30 31 2D 0D	
		001 : Vol -	3A 30 31 53 41 30 30 31 0d		
		010 : Up	3A 30 31 53 41 30 31 30 0d		
		011 : Down	3A 30 31 53 41 30 31 31 0d		
		012 : Left	3A 30 31 53 41 30 31 32 0d		
		013 : Right	3A 30 31 53 41 30 31 33 0d		
		014 : Enter	3A 30 31 53 41 30 31 34 0d		
		020 : Menu	3A 30 31 53 41 30 32 30 0d		
		021 : Input	3A 30 31 53 41 30 32 31 0d		
		022 : Back/Exit	3A 30 31 53 41 30 32 32 0d		
		031 : Blank	3A 30 31 53 41 30 33 31 0d		
		032 : Freeze	3A 30 31 53 41 30 33 32 0d		
		033 : Mute	3A 30 31 53 41 30 33 33 0d		
		034 : Home	3A 30 31 53 41 30 33 34 0d		
IR	42	000: Enable	3A 30 31 53 42 30 30 30 0d		
		001: Disable	3A 30 31 53 42 30 30 31 0d		
Speaker	43	000 : off	3A 30 31 53 43 30 30 30 0d		
		001 : on	3A 30 31 53 43 30 30 31 0d		
Touch	44	000 : off	3A 30 31 53 44 30 30 30 0d		Touch disable
		001 : on	3A 30 31 53 44 30 30 31 0d		Touch enable

Description	Cmd (Hex)	Value	Command	Reply	Note
Screen	45	000 : off	3A 30 31 53 45 30 30 30 0d	Set success reply: 34 30 31 2B 0D Set fail reply: 34 30 31 2D 0D	Screen blank
		001 : on	3A 30 31 53 45 30 30 31 0d		Screen off
No Signal Power Off	46	000: off	3A 30 31 53 46 30 30 30 0d		
		001 : 1 minute	3A 30 31 53 46 30 30 31 0d		
		003 : 3 minutes	3A 30 31 53 46 30 30 33 0d		
		005 : 5 minutes	3A 30 31 53 46 30 30 35 0d		
		010 : 10 minutes	3A 30 31 53 46 30 31 30 0d		
		015 : 15 minutes	3A 30 31 53 46 30 31 35 0d		
		030 : 30 minutes	3A 30 31 53 46 30 33 30 0d		
		045 : 45 minutes	3A 30 31 53 46 30 34 35 0d		
		060 : 60 minutes	3A 30 31 53 46 30 36 30 0d		

Description	Cmd (Hex)	Value	Command	Reply	Note
On/Off Timer	47	Byte1~Byte15 (1) Byte1: Decide which Timer is selected Byte1=0x1~0x07. There are totally 7 Timers, this value is used to decide which Timer is	On Timer: 09:08 sun 3A 30 31 53 47 01 01 00 00 00 00 00 00 01 19 18 00 00 00 00 0D Off Timer: 10:10 mon/ frday 3A 30 31 53 47 02 00 01 00 00 00 01 00 00 00 00 01 1A 1A 00 0D On/Off Timer: 09:08/10:10 sun 3A 30 31 53 47 01 01 00 00 00 00 00 00 01 19 18 01 1A 1A 00 0D	Set success reply: 34 30 31 2B 0D Set fail reply: 34 30 31 2D 0D	3A 30 31 53 47 Byte1 Byte2 Byte3 Byte4 Byte5 Byte6 Byte7 Byte8 Byte9 0d
		(2) Byte2: 0x00 or 0x01, 0x00:Sunday disable; 0x01:Sunday enable			
		(3) Byte3: 0x00 or 0x01, 0x00:Monday ble;0x01:Monday enable			
		(4) Byte4: 0x00 or 0x01, 0x00:Tuesday disable; 0x01:Tuesday enable			
		(5) Byte5: 0x00 or 0x01, 0x00:Wednesday disable; 0x01:Wednesday enable			
		(6) Byte6: 0x00 or 0x01, 0x00:Thursday disable; 0x01:Thursday enable			
		(7) Byte7: 0x00 or 0x01, 0x00:Friday disable; 0x01:Friday enable			

Description	Cmd (Hex)	Value	Command	Reply	Note
On/Off Timer	47	(8) Byte8: 0x00 or 0x01, 0x00:Saturday disable; 0x01:Saturday enable	On Timer: 09:08 sun 3A 30 31 53 47 01 01 00 00 00 00 00 00 01 19 18 00 00 00 00 0D Off Timer: 10:10 mon/ frday 3A 30 31 53 47 02 00 01 00 00 00 00 01 00 00 00 00 01 1A 1A 00 0D On/Off Timer: 09:08/10:10 sun 3A 30 31 53 47 01 01 00 00 00 00 00 00 01 19 18 01 1A 1A 00 0D	Set success reply: 34 30 31 2B 0D Set fail reply: 34 30 31 2D 0D	3A 30 31 53 47 Byte1 Byte2 Byte3 Byte4 Byte5 Byte6 Byte7 Byte8 Byte9 0d
		(9) Byte9: 0x00 or 0x01, 0x00: On Timer is disable; 0x01:On Timer is enable			
		(10) Byte10: The Hour of the On Timer. yte3=0x10~0x27. (decimal range: 16-39, Our program will subtract 16, the hour range is 0 to 23)			
		(11) Byte11: The Minute of the On Timer. yte4=0x10~0x4B. (decimal range: 16-75, Our program will subtract 16, the minute range is 0 to 59)			
		(12) Byte12: 0x00 or 0x01, 0x00: Off Timer is disable; 0x01:Off Timer is enable			

Description	Cmd (Hex)	Value	Command	Reply	Note
On/Off Timer	47	(13) Byte13: The Hour of the Off Timer. yte5=0x10~0x27. (decimal range: 16-39, Our program will subtract 16, the hour range is 0 to 23)	On Timer: 09:08 sun 3A 30 31 53 47 01 01 00 00 00 00 00 00 01 19 18 00 00 00 00 0D Off Timer: 10:10 mon/ frday 3A 30 31 53 47 02 00 01 00 00 00 01 00 00 00 00 01 1A 1A 00 0D On/Off Timer: 09:08/10:10 sun 3A 30 31 53 47 01 01 00 00 00 00 00 00 01 19 18 01 1A 1A 00 0D	Set success reply: 34 30 31 2B 0D Set fail reply: 34 30 31 2D 0D	3A 30 31 53 47 Byte1 Byte2 Byte3 Byte4 Byte5 Byte6 Byte7 Byte8 Byte9 0d
		(14) Byte14: The Minute of the Off Timer. yte6=0x10~0x4B. (decimal range: 16-75, Our program will subtract 16, the minute range is 0 to 59)			
		(15) Byte15: Treserved, and should be 0x00.			
		If both byte9 and byte12 are set to disabled, it will delete the target timer if it exists			
HDMI Out encryption mode	50	000 : off	3A 30 31 53 50 30 30 30 0d		
		001 : auto	3A 30 31 53 50 30 30 31 0d		
		002 : HDCP1.4	3A 30 31 53 50 30 30 32 0d		
		003 : HDCP2.2	3A 30 31 53 50 30 30 33 0d		
Android Enable	51	000: off	3A 30 31 53 51 30 30 30 0d		
		001: on	3A 30 31 53 51 30 30 31 0d		

Get Function Listing

The PC can control the Display for specific actions. The Get Function command allows you to control the Display behavior at a remote site through the RS-232 port. The Get Function packet format consists of 9 bytes.

Item	Description	
Communication Configuration	Communication interface	RS-232
	Communication protocol	Uart
	Baud rate	9600
	Data bits	8
	Stop bits	1
	Parity check	None
Packet Description	Packet byte encoding	Hexadecimal
	Is there a maximum limit on the package length	No
	Whether there is package verification	No

Get Function Table (Basic Function)

Description	Cmd (Hex)	Value	Command	Reply	Note
Power	30	000 : backlight off	3A 30 31 47 30 30 30 30 0D	3A 30 31 72 30 30 30 30 0D	
		001 : backlight on		3A 30 31 72 30 30 30 31 0D	
		002 : power off		3A 30 31 72 30 30 30 32 0D	only support RS232 & not support Lan command
Treble	31	-05 ~ +05	3A 30 31 47 31 30 30 30 0D	3A 30 31 72 31 2B 30 35 0D	eg. current treble is +05
Bass	32	-05 ~ +05	3A 30 31 47 32 30 30 30 0D	3A 30 31 72 32 2D 30 35 0D	eg. current bass is -05
Balance	33	-50 ~ +50	3A 30 31 47 33 30 30 30 0D	3A 30 31 72 33 2B 35 30 0D	eg. current balance is +50
Contrast	34	000~100	3A 30 31 47 34 30 30 30 0D	3A 30 31 72 34 30 35 30 0D	eg. current contrast is 50
Brightness	35	000~100	3A 30 31 47 35 30 30 30 0D	3A 30 31 72 35 30 35 30 0D	eg. current brightnss is 50
Sharpness	36	000~100	3A 30 31 47 36 30 30 30 0D	3A 30 31 72 36 30 31 30 0D	eg. current sharpness is 10
Sound Mode	37	000 : Movie	3A 30 31 47 37 30 30 30 0D	3A 30 31 72 37 30 30 30 0D	
		001 : Standard		3A 30 31 72 37 30 30 31 0D	
		002 : Custom		3A 30 31 72 37 30 30 32 0D	
		003 : Classroom		3A 30 31 72 37 30 30 33 0D	
		004 : Meeting		3A 30 31 72 37 30 30 34 0D	
Volume	38	000~100	3A 30 31 47 38 30 30 30 0D	3A 30 31 72 38 30 35 30 0D	
Mute	39	000: Off	3A 30 31 47 39 30 30 30 0D	3A 30 31 72 39 30 30 30 0D	
		001: On		3A 30 31 72 39 30 30 31 0D	

Description	Cmd (Hex)	Value	Command	Reply	Note
Video Source	3A	000 : VGA	3A 30 31 47 3A 30 30 30 0D	3A 30 31 72 3A 30 30 30 0D	
		001 : HDMI1		3A 30 31 72 3A 30 30 31 0D	
		002: HDMI2		3A 30 31 72 3A 30 30 32 0D	
		003 : AV		3A 30 31 72 3A 30 30 33 0D	
		022 : HDMI4		3A 30 31 72 3A 30 32 32 0D	
		021 : HDMI3		3A 30 31 72 3A 30 32 31 0D	
		031 : VGA2		3A 30 31 72 3A 30 33 31 0D	
		032 : VGA3		3A 30 31 72 3A 30 33 32 0D	
		051 : ATV		3A 30 31 72 3A 30 35 31 0D	
		101 : Android		3A 30 31 72 3A 31 30 31 0D	
		103 : Slot in PC		3A 30 31 72 3A 31 30 33 0D	
		007 : Display Port		3A 30 31 72 3A 30 30 37 0D	
		102 : Android Slot		3A 30 31 72 3A 31 30 32 0D	
		104 : Type C1		3A 30 31 72 3A 31 30 34 0D	
		105 : Type C2		3A 30 31 72 3A 31 30 35 0D	
		106 : DTV		3A 30 31 72 3A 31 30 36 0D	
		107 : YPRBR		3A 30 31 72 3A 31 30 37 0D	
Aspect Ratio	3B	000 : 16:9	3A 30 31 47 3B 30 30 30 0D	3A 30 31 72 3B 30 30 30 0D	
		001 : 4:3		3A 30 31 72 3B 30 30 31 0D	
		002 : PTP		3A 30 31 72 3B 30 30 32 0D	

Description	Cmd (Hex)	Value	Command	Reply	Note
Language	3C	000: English	3A 30 31 47 3C 30 30 30 0D	3A 30 31 72 3C 30 30 30 0D	
		001: Français		3A 30 31 72 3C 30 30 31 0D	
		002: Español		3A 30 31 72 3C 30 30 32 0D	
		003: Traditional Chinese		3A 30 31 72 3C 30 30 33 0D	
		004: Simplified Chinese		3A 30 31 72 3C 30 30 34 0D	
		005: Português		3A 30 31 72 3C 30 30 35 0D	
		006: German		3A 30 31 72 3C 30 30 36 0D	
		007: Dutch		3A 30 31 72 3C 30 30 37 0D	
		008: Polish		3A 30 31 72 3C 30 30 38 0D	
		009: Russia		3A 30 31 72 3C 30 30 39 0D	
		010: Czech		3A 30 31 72 3C 30 31 30 0D	
		011: Danish		3A 30 31 72 3C 30 31 31 0D	
		012: Swedish		3A 30 31 72 3C 30 31 32 0D	
		013: Italian		3A 30 31 72 3C 30 31 33 0D	
		014: Romanian		3A 30 31 72 3C 30 31 34 0D	
		015: Norwegian		3A 30 31 72 3C 30 31 35 0D	
		016: Finnish		3A 30 31 72 3C 30 31 36 0D	
		017: Greek		3A 30 31 72 3C 30 31 37 0D	
		018: Turkish		3A 30 31 72 3C 30 31 38 0D	
		019: Arabic		3A 30 31 72 3C 30 31 39 0D	

Description	Cmd (Hex)	Value	Command	Reply	Note
Language	3C	020: Japanse	3A 30 31 47 3C 30 30 30 0D	3A 30 31 72 3C 30 32 30 0D	
		021: Ukraine		3A 30 31 72 3C 30 32 31 0D	
		022: Korean		3A 30 31 72 3C 30 32 32 0d	
		023: Hungarian		3A 30 3172 3C 30 32 33 0d	
		024: Perisan		3A 30 31 72 3C 30 32 34 0d	
		025: Vietnamese		3A 30 31 72 3C 30 32 35 0d	
		026: Thailand		3A 30 31 72 3C 30 32 36 0d	
		027: Catalan		3A 30 31 72 3C 30 32 37 0d	
		028: Lithuanian		3A 30 31 72 3C 30 32 38 0d	
		029: Croatian		3A 30 31 72 3C 30 32 39 0d	
		030: Estonian		3A 30 31 72 3C 30 33 30 0d	
Picture Mode	3D	000 : standard	3A 30 31 47 3D 30 30 30 0D	3A 30 31 72 3D 30 30 30 0D	
		001 : bright		3A 30 31 72 3D 30 30 31 0D	
		002 : soft		3A 30 31 72 3D 30 30 32 0D	
		003 : customer		3A 30 31 72 3D 30 30 33 0D	
Hue (Color)	3E	000~100	3A 30 31 47 3E 30 30 30 0D	3A 30 31 72 3E 30 33 30 0D	
Backlight	3F	000~100	3A 30 31 47 3F 30 30 30 0D	3A 30 31 72 3F 30 35 30 0D	
Color Temp	40	000 : Cool	3A 30 31 47 40 30 30 30 0D	3A 30 31 72 40 30 30 30 0D	
		001 : Standard		3A 30 31 72 40 30 30 31 0D	
		002 : Warm		3A 30 31 72 40 30 30 32 0D	

Description	Cmd (Hex)	Value	Command	Reply	Note
Reomte comtrol(IR)	42	000: Enable	3A 30 31 47 42 30 30 30 0D	3A 30 31 72 42 30 30 30 0D	
		001: Disable		3A 30 31 72 42 30 30 31 0D	
Spearker	43	000 : off	3A 30 31 47 43 30 30 30 0D	3A 30 31 72 43 30 30 30 0D	
		001 : on		3A 30 31 72 43 30 30 31 0D	
HDCP1.X	0x53	000	3A 30 31 47 53 30 30 30 0D	3A 30 31 72 53 30 20 ** 0D	
HDCP2.X		001	3A 30 31 47 53 30 30 31 0D	3A 30 31 72 53 31 20 ** 0D	
Machine SN		002	3A 30 31 47 53 30 30 32 0D	3A 30 31 72 53 32 20 ** 0D	
MAC		003	3A 30 31 47 53 30 30 33 0D	3A 30 31 72 53 33 20 ** 0D	
Model Name		004	3A 30 31 47 53 30 30 34 0D	3A 30 31 72 53 34 20 ** 0D	
Model Version		005	3A 30 31 47 53 30 30 35 0D	3A 30 31 72 53 35 20 ** 0D	
Board SN		006	3A 30 31 47 53 30 30 36 0D	3A 30 31 72 53 36 20 ** 0D	
Region		007	3A 30 31 47 53 30 30 37 0D	3A 30 31 72 53 37 20 ** 0D	
Touch	44	000 : off	3A 30 31 47 44 30 30 30 0D	3A 30 31 72 44 30 30 30 0D	
		001 : on		3A 30 31 72 44 30 30 31 0D	
Screen	45	000 : off	3A 30 31 47 45 30 30 30 0D	3A 30 31 72 45 30 30 30 0D	
		001 : on		3A 30 31 72 45 30 30 31 0D	
No Singal power off	46	0~60	3A 30 31 47 46 30 30 30 0D	3A 30 31 72 46 30 3* 3* 0D	

Description	Cmd (Hex)	Value	Command	Reply	Note
On/Off Timer	47	(1) Byte1[3:0]: The Number of the On/ Off Timer. There are totally 7 On/Off Timers, and this byte is used to selected which timer is going to be accessed. (2) Byte1[7:4] is reserved, should be 0. (3) Byte2~15 are reserverd, should be 0x00.	3A 30 31 47 47 01 00 00 00 00 00 00 00 00 00 00 00 00 0D		
HDMI Out	48	000 : off	3A 30 31 47 48 30 30 30 0D	3A 30 31 72 48 30 30 30 0D	only support on 9950 machine
		001 : on		3A 30 31 72 48 30 30 31 0D	
HDMI encryption	49	000 : off	3A 30 31 47 49 30 30 30 0D	3A 30 31 72 49 30 30 30 0D	
		001 : on		3A 30 31 72 49 30 30 31 0D	
HDMI Out encryption mode	50	000 : off	3A 30 31 47 50 30 30 30 0D	3A 30 31 72 50 30 30 30 0D	
		001 : auto		3A 30 31 72 50 30 30 31 0D	
		002 : hdcp1.4		3A 30 31 72 50 30 30 32 0D	
		003 : hdcp2.2		3A 30 31 72 50 30 30 33 0D	
Share screen	60	000	3A 30 31 47 80 30 30 30 0D	3A 30 31 72 80 IP 20 0D	

Appendix

Resolution and Timings

HDMI

Resolution	Refresh Rate
640 x 480	60 Hz
800 x 600	60 Hz
1280 x 720	60 Hz
1360 x 768	60 Hz
1366 x 768	60 Hz
1920 x 1080	23, 24, 30, 60 Hz
3840 x 2160	24, 25, 30, 50, 60 Hz
4096 x 2160	50, 60 Hz

VGA

Resolution	Refresh Rate
640 x 480	60 Hz
800 x 600	60 Hz
1280 x 720	60 Hz
1280 x 1024	60 Hz
1280 x 960	60 Hz
1360 x 768	60 Hz
1440 x 900	60 Hz
1600 x 1200	60 Hz
1920 x 1080	60 Hz
1920 x 1200	60 Hz

Troubleshooting

This section describes some common problems that you may experience when using the ViewBoard.

Problem or Issue	Possible Solutions
Remote Control is not working	**1.** Check whether something is obstructing the display's remote control receiver. **2.** Check whether the batteries in the remote control are installed correctly. **3.** Check whether the batteries need to be replaced.
The unit turns off unexpectedly	**1.** Check whether Sleep mode is enabled. **2.** Check if there is a power outage in your area. **3.** Turn on the display and see if the problem is with the signal and control system.

PC Mode

Problem or Issue	Possible Solutions
No PC signal	**1.** Check the display settings. **2.** Check the display resolution. **3.** Adjust the Hs &Vs (synchronization) settings using the OSD menu.
Background streaking	**1.** Choose auto adjust. **2.** Adjust clock and phase.
Unsupported format	**1.** Choose auto adjust. **2.** Adjust clock and phase settings.

Touch Function

Problem or Issue	Possible Solutions
Touch function does not work	**1.** Check that drivers are installed correctly. **2.** Reinstall driver(s). **3.** Check setup and align it. **4.** Check whether the touch pen is working properly.

Video Not Working Properly

Problem or Issue	Possible Solutions
No picture/ No sound	**1.** Check the Power status. **2.** Check the signal cable. **3.** Check that the internal PC is installed correctly.
Picture is unclear or cuts in and out	**1.** Check the signal cable. **2.** Check if other electronics are interrupting the signal.
Poor picture	**1.** Adjust chroma, brightness, and contrast settings in the menu. **2.** Check the signal cable.

Audio Not Working Properly

Problem or Issue	Possible Solutions
No sound	**1.** Press the Mute/Unmute button. **2.** Adjust the volume. **3.** Check the audio cable.
One speaker only	**1.** Adjust the sound balance in the menu. **2.** Check the sound control panel settings of the computer. **3.** Check the audio cable.

Maintenance

General Precautions

- Make sure the device is turned off and the power cable is unplugged from the power outlet.
- Never spray or pour any liquid directly onto the screen or case.
- Handle the device with care, as a darker-colored device, if scuffed, may show marks more clearly than a lighter-colored device.
- Do not use the system continuously for long periods of time.

Cleaning the Screen

- Wipe the screen with a clean, soft, lint-free cloth. This removes dust and other particles.
- If the screen is still not clean, apply a small amount of non-ammonia, non-alcohol based glass cleaner onto a clean, soft, lint-free cloth; then wipe the screen.

Cleaning the Case

- Use a soft, dry cloth.
- If the case is still not clean, apply a small amount of non-ammonia, non-alcohol based, mild non-abrasive detergent onto a clean, soft, lint-free cloth, then wipe the surface.

Disclaimer

- ViewSonic® does not recommend the use of any ammonia or alcohol-based cleaners on the display screen or case. Some chemical cleaners have been reported to damage the screen and/or case of the device.
- ViewSonic® will not be liable for damage resulting from use of any ammonia or alcohol-based cleaners.

Note: If condensation appears between the glass and the panel, keep the display turned on until the moisture disappears.

Regulatory and Service Information

Compliance Information

This section addresses all connected requirements and statements regarding regulations. Confirmed corresponding applications shall refer to nameplate labels and relevant markings on the unit.

CE Conformity for European Countries

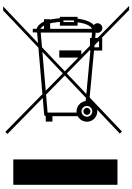
CE The device complies with the EMC Directive 2014/30/EU and Low Voltage Directive 2014/35/EU, Radio Equipment Directive 2014/53/EU and RoHS2 Directive 2011/65/EU & Annex II EU/2015/863.

The full declaration of conformity can be found at the following website:

- https://www.viewsonicglobal.com/public/products_download/safety_compliance/IFP/VS20550_CE_DoC.pdf
- https://www.viewsonicglobal.com/public/products_download/safety_compliance/IFP/VS20551_CE_DoC.pdf
- https://www.viewsonicglobal.com/public/products_download/safety_compliance/IFP/VS20552_CE_DoC.pdf

The following information is only for EU-member states:

The mark shown to the right is in compliance with the Waste Electrical and Electronic Equipment Directive 2012/19/EU (WEEE). The mark indicates the requirement NOT to dispose of the equipment as unsorted municipal waste, but use the return and collection systems according to local law.



Batteries may not be disposed in trash or household recycling collection bins intended to receive other non-hazardous waste and/or recyclable materials. Please use the public collection system to return, recycle, or treat them in compliance with the local regulations.



Declaration of RoHS2 Compliance

This product has been designed and manufactured in compliance with Directive 2011/65/EU of the European Parliament and the Council on restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS2 Directive) and is deemed to comply with the maximum concentration values issued by the European Technical Adaptation Committee (TAC) as shown below:

Substance	Proposed Maximum Concentration	Actual Concentration
Lead (Pb)	0.1%	< 0.1%
Mercury (Hg)	0.1%	< 0.1%
Cadmium (Cd)	0.01%	< 0.01%
Hexavalent Chromium ($Cr6^{+}$)	0.1%	< 0.1%
Polybrominated biphenyls (PBB)	0.1%	< 0.1%
Polybrominated diphenyl ethers (PBDE)	0.1%	< 0.1%
Bis (2-ethylhexyl) phthalate (DEHP)	0.1%	< 0.1%
Butyl benzyl phthalate (BBP)	0.1%	< 0.1%
Dibutyl phthalate (DBP)	0.1%	< 0.1%
Diisobutyl phthalate (DIBP)	0.1%	< 0.1%

Certain components of products as stated above are exempted under the Annex III of the RoHS2 Directives as noted below:

- Copper alloy containing up to 4% lead by weight.
- Lead in high melting temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead).
- Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.
- Lead in dielectric ceramic in capacitors for a rated voltage of 125V AC or 250V DC or higher.

ENERGY STAR Statement

ENERGY STAR is a U.S. Environmental Protection Agency voluntary program that helps businesses and individuals save money and protect our climate through superior energy efficiency. Products that earn the ENERGY STAR prevent greenhouse gas emissions by meeting strict energy efficiency criteria or requirements set by the U.S. Environmental Protection Agency.

As an ENERGY STAR Partner, ViewSonic is determined to meet the Energy star Guidelines and mark all certified models with the ENERGY STAR logo. The following logo appears on all ENERGY STAR-certified models:

Note: The power management features significantly reduce energy consumption when the product is not in use. Power management allows the device to automatically enter a low power “sleep” mode after a defined period of inactivity. And the power management features also enter Sleep Mode or Off Mode within 5 minutes of being disconnected from a host computer. Please note any change in energy settings will increase energy consumption.

Indian Restriction of Hazardous Substances

Restriction on Hazardous Substances statement (India). This product complies with the “India E-waste Rule 2011” and prohibits use of lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers in concentrations exceeding 0.1 weight % and 0.01 weight % for cadmium, except for the exemptions set in Schedule 2 of the Rule.

Product Disposal at End of Product Life

ViewSonic® respects the environment and is committed to working and living green. Thank you for being part of Smarter, Greener Computing. Please visit the ViewSonic® website to learn more.

USA & Canada:

https://www.viewsonic.com/us/go-green-with-viewsonic

Europe:

https://www.viewsonic.com/eu/environmental-social-governance/recycle

Taiwan:

https://recycle.moenv.gov.tw/

For EU users, please contact us for any safety/accident issue experienced with this product:

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https://www.viewsonic.com/eu/

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VESA is a registered trademark of the Video Electronics Standards Association. DPMS, DisplayPort, and DDC are trademarks of VESA.

ENERGY STAR® is a registered trademark of the U.S. Environmental Protection Agency (EPA).

As an ENERGY STAR® partner, ViewSonic® Corporation has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

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IN05_Series_UG_ENG_1b_20260617

Customer Service

For technical support or product service, see the table below or contact your reseller.

Note: You will need the product's serial number.

Country/ Region	Website	Country/ Region	Website
Asia Pacific & Africa			
Australia	www.viewsonic.com/au/	Bangladesh	www.viewsonic.com/bd/
中国 (China)	www.viewsonic.com.cn	香港 (繁體中文)	www.viewsonic.com/hk/
Hong Kong (English)	www.viewsonic.com/hk-en/	India	www.viewsonic.com/in/
Indonesia	www.viewsonic.com/id/	Israel	www.viewsonic.com/il/
日本 (Japan)	www.viewsonic.com/jp/	Korea	www.viewsonic.com/kr/
Malaysia	www.viewsonic.com/my/	Middle East	www.viewsonic.com/me/
Myanmar	www.viewsonic.com/mm/	Nepal	www.viewsonic.com/np/
New Zealand	www.viewsonic.com/nz/	Pakistan	www.viewsonic.com/pk/
Philippines	www.viewsonic.com/ph/	Singapore	www.viewsonic.com/sg/
臺灣 (Taiwan)	www.viewsonic.com/tw/	ประเทศไทย	www.viewsonic.com/th/
Việt Nam	www.viewsonic.com/vn/	South Africa & Mauritius	www.viewsonic.com/za/
Americas			
United States	www.viewsonic.com/us	Canada	www.viewsonic.com/us
Latin America	www.viewsonic.com/la		
Europe			
Europe	www.viewsonic.com/eu/	France	www.viewsonic.com/fr/
Deutschland	www.viewsonic.com/de/	Қазақстан	www.viewsonic.com/kz/
Россия	www.viewsonic.com/ru/	España	www.viewsonic.com/es/
Türkiye	www.viewsonic.com/tr/	Україна	www.viewsonic.com/ua/
United Kingdom	www.viewsonic.com/uk/		

Limited Warranty

ViewSonic® Smart White Board

What the warranty covers:

ViewSonic® warrants its products to be free from defects in material and workmanship during the warranty period. If a product proves to be defective in material or workmanship during the warranty period, ViewSonic® will, at its sole option, and as your sole remedy, repair or replace the product with a similar product. Replacement Product or parts may include remanufactured or refurbished parts or components. The repair or replacement unit or parts or components will be covered by the balance of the time remaining on the customer's original limited warranty and the warranty period will not be extended. ViewSonic® provides no warranty for any third-party software whether included with the product or installed by the customer, installation of any unauthorized hardware parts or components (e.g. Projector Lamps). (Please refer to: "What the warranty excludes and does not cover" section).

Who the warranty protects:

This warranty is valid only for the first consumer purchaser.

What the warranty excludes and does not cover:

- Any product on which the serial number has been defaced, modified, or removed.
- Damage, deterioration, or malfunction resulting from:
  - » Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
  - » Repair or attempted repair by anyone not authorized by ViewSonic®.
  - » Damage to or loss of any programs, data, or removable storage media.
  - » Normal wear and tear.
  - » Removal or installation of the product.
- Software or data loss occurring during repair or replacement.
- Any damage of the product due to shipment.
- Causes external to the product, such as electric power fluctuations or failure.
- Use of supplies or parts not meeting ViewSonic's specifications.
- Failure of owner to perform periodic product maintenance as stated in the User Guide.
- Any other cause which does not relate to a product defect.

- Damage caused by static (non-moving) images displayed for lengthy periods of time (also referred to as image burn-in).
- Software - Any third-party software included with the product or installed by the customer.
- Hardware/Accessories/Parts/Components – Installation of any unauthorized hardware, accessories, consumable parts or components (e.g. Projector Lamps).
- Damage to, or abuse of, the coating on the surface of the display through inappropriate cleaning as described in the product User Guide.
- Removal, installation, and set-up service charges, including wall-mounting of the product.

How to get service:

- For information about receiving service under warranty, contact ViewSonic® Customer Support (Please refer to the "Customer Service" page). You will need to provide your product's serial number.
- To obtain warranty service, you will be required to provide: (a) the original dated sales slip, (b) your name, (c) your address, (d) a description of the problem, and (e) the serial number of the product.
- Take or ship the product, freight prepaid, in the original container to an authorized ViewSonic® service center or ViewSonic®.
- For additional information or the name of the nearest ViewSonic® service center, contact ViewSonic®.

Limitation of implied warranties:

There are no warranties, express or implied, which extend beyond the description contained herein including the implied warranty of merchantability and fitness for a particular purpose.

Exclusion of damages:

ViewSonic's liability is limited to the cost of repair or replacement of the product. ViewSonic® shall not be liable for:

- Damage to other property caused by any defects in the product, damages based upon inconvenience, loss of use of the product, loss of time, loss of profits, loss of business opportunity, loss of goodwill, interference with business relationships, or other commercial loss, even if advised of the possibility of such damages.
- Any other damages, whether incidental, consequential or otherwise.
- Any claim against the customer by any other party.
- Repair or attempted repair by anyone not authorized by ViewSonic®.

Effect of state law:

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow limitations on implied warranties and/or do not allow the exclusion of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

Sales outside the U.S.A. and Canada:

For warranty information and service on ViewSonic® products sold outside of the U.S.A. and Canada, contact ViewSonic® or your local ViewSonic® dealer.

The warranty period for this product in mainland China (Hong Kong, Macao, and Taiwan Excluded) is subject to the terms and conditions of the Maintenance Guarantee Card.

For users in Europe and Russia, full details of warranty provided can be found at: http://www.viewsonic.com/eu/ under "Support/Warranty Information".

Mexico Limited Warranty

ViewSonic® Smart White Board

What the warranty covers:

ViewSonic® warrants its products to be free from defects in material and workmanship, under normal use, during the warranty period. If a product proves to be defective in material or workmanship during the warranty period, ViewSonic® will, at its sole option, repair or replace the product with a like product. Replacement product or parts may include remanufactured or refurbished parts or components & accessories.

Who the warranty protects:

This warranty is valid only for the first consumer purchaser.

What the warranty excludes and does not cover:

- Any product on which the serial number has been defaced, modified or removed.
- Damage, deterioration, or malfunction resulting from:
  - » Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, unauthorized attempted repair, or failure to follow instructions supplied with the product.
  - » Causes external to the product, such as electrical power fluctuations or failure.
  - » Use of supplies or parts not meeting ViewSonic®'s specifications.
  - » Normal wear and tear.
  - » Any other cause which does not relate to a product defect.
- Any product exhibiting a condition commonly known as "image burn-in" which results when a static image is displayed on the product for an extended period of time.
- Removal, installation, insurance, and set-up service charges.

How to get service:

For information about receiving service under warranty, contact ViewSonic® Customer Support (Please refer to the attached "Customer Service" page). You will need to provide your product's serial number, so please record the product information in the space provided below on your purchase for your future use. Please retain your receipt of proof of purchase to support your warranty claim.

For Your Records

Product Name: _____ Model Number: _____

Document Number: _____ Serial Number: _____

Purchase Date: _____ Extended Warranty Purchase? _____(Y/N)

If so, what date does warranty expire? _____

- To obtain warranty service, you will be required to provide (a) the original dated sales slip, (b) your name, (c) your address, (d) a description of the problem, and (e) the serial number of the product.
- Take or ship the product, in the original container packaging, to an authorized ViewSonic® service center.
- Round trip transportation costs for in-warranty products will be paid by ViewSonic®.

Limitation of implied warranties:

There are no warranties, express or implied, which extend beyond the description contained herein including the implied warranty of merchantability and fitness for a particular purpose.

Exclusion of damages:

ViewSonic®'s liability is limited to the cost of repair or replacement of the product. ViewSonic® shall not be liable for:

- Damage to other property caused by any defects in the product, damages based upon inconvenience, loss of use of the product, loss of time, loss of profits, loss of business opportunity, loss of goodwill, interference with business relationships, or other commercial loss, even if advised of the possibility of such damages.
- Any other damages, whether incidental, consequential or otherwise.
- Any claim against the customer by any other party.
- Repair or attempted repair by anyone not authorized by ViewSonic®.

Contact Information for Sales & Authorized Service (Centro Autorizado de Servicio) within Mexico:	
Name, address, of manufacturer and importers: México, Av. de la Palma #8 Piso 2 Despacho 203, Corporativo Interpalmas, Col. San Fernando Huixquilucan, Estado de México Tel: (55) 3605-1099 http://www.viewsonic.com/la/soporte/index.htm	
NÚMERO GRATIS DE ASISTENCIA TÉCNICA PARA TODO MÉXICO: 001.866.823.2004	
Hermosillo: Distribuciones y Servicios Computacionales SA de CV. Calle Juarez 284 local 2 Col. Bugambilias C.P: 83140 Tel: 01-66-22-14-9005 E-Mail: disc2@hmo.megared.net.mx	***Villahermosa:*** Compumantenimietnos Garantizados, S.A. de C.V. AV. GREGORIO MENDEZ #1504 COL, FLORIDA C.P. 86040 Tel: 01 (993) 3 52 00 47 / 3522074 / 3 52 20 09 E-Mail: compumantenimientos@prodigy.net.mx
Puebla, Pue. (Matriz): RENTA Y DATOS, S.A. DE C.V. Domicilio: 29 SUR 721 COL. LA PAZ 72160 PUEBLA, PUE. Tel: 01(52).222.891.55.77 CON 10 LINEAS E-Mail: datos@puebla.megared.net.mx	***Veracruz, Ver.:*** CONEXION Y DESARROLLO, S.A DE C.V. Av. Americas # 419 ENTRE PINZÓN Y ALVARADO Fracc. Reforma C.P. 91919 Tel: 01-22-91-00-31-67 E-Mail: gacosta@qplus.com.mx
Chihuahua: Soluciones Globales en Computación C. Magisterio # 3321 Col. Magisterial Chihuahua, Chih. Tel: 4136954 E-Mail: Cefeo@soluglobales.com	***Cuernavaca:*** Compusupport de Cuernavaca SA de CV Francisco Leyva # 178 Col. Miguel Hidalgo C.P. 62040, Cuernavaca Morelos Tel: 01 777 3180579 / 01 777 3124014 E-Mail: aquevedo@compusupportcva.com
Distrito Federal: QPLUS, S.A. de C.V. Av. Coyoacán 931 Col. Del Valle 03100, México, D.F. Tel: 01(52)55-50-00-27-35 E-Mail : gacosta@qplus.com.mx	***Guadalajara, Jal.:*** SERVICRECE, S.A. de C.V. Av. Niños Héroes # 2281 Col. Arcos Sur, Sector Juárez 44170, Guadalajara, Jalisco Tel: 01(52)33-36-15-15-43 E-Mail: mmiranda@servicrece.com
Guerrero Acapulco: GS Computación (Grupo Sesicomp) Progreso #6-A, Colo Centro 39300 Acapulco, Guerrero Tel: 744-48-32627	***Monterrey:*** Global Product Services Mar Caribe # 1987, Esquina con Golfo Pérsico Fracc. Bernardo Reyes, CP 64280 Monterrey N.L. México Tel: 8129-5103 E-Mail: aydeem@gps1.com.mx
MERIDA: ELECTROSER Av Reforma No. 403Gx39 y 41 Mérida, Yucatán, México CP97000 Tel: (52) 999-925-1916 E-Mail: rrrb@sureste.com	***Oaxaca, Oax.:*** CENTRO DE DISTRIBUCION Y SERVICIO, S.A. de C.V. Murguía # 708 P.A., Col. Centro, 68000, Oaxaca Tel: 01(52)95-15-15-22-22 Fax: 01(52)95-15-13-67-00 E-Mail. gpotai2001@hotmail.com
Tijuana: STD Av Ferrocarril Sonora #3780 L-C Col 20 de Noviembr Tijuana, Mexico	***FOR USA SUPPORT:*** ViewSonic® Corporation 381 Brea Canyon Road, Walnut, CA. 91789 USA Tel: 800-688-6688 E-Mail: http://www.viewsonic.com


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