BenQ Board

User Manual

CP5505/CP7505/CM5505/CM7505

V 1.1

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Product overview

This chapter provides basic information about the BenQ Board CP05/CM05 interactive display.

About the CP05/CM05

The BenQ Board Pro CP05 and BenQ Board Master CM05 are Google ELDA-certified interactive displays by BenQ. It combines the computing power of an Octa-core chipset, top-of-the line hardware and software, and Google Mobile Services. Users of the BenQ Board can utilize the interactive display for effective and engaging learning experiences and workplace collaboration.

Specifications

Important

Modifying the hardware or software of your BenQ product invalidates the warranty. BenQ is not responsible for any damage or data loss caused by the unauthorized modifications to both and hardware and software and the installation of third-party add-ons and applications.

Panel

Model	CP5505/CM5505	CP7505/CM7505
Screen size	55”	75”
Panel type	ADS	ADS
Resolution	UHD 3840 × 2160 pixels	UHD 3840 × 2160 pixels
Active area	1211.6 x 682.4 mm	1651.7 x 929.9 mm
Response time	< 8 ms	< 8 ms
Aspect ratio	16:9	16:9
Orientation	Landscape/Portrait	Landscape
Contrast ratio	1,200:1	1,200:1
Dynamic contrast ratio	50,000:1	50,000:1
Color depth	10-bit	10-bit
Color gamut	95% DCI-P3	95% DCI-P3
Panel brightness (without glass)	450 nits	450 nits
Backlight life	50,000 hrs	50,000 hrs

Glass

Model	CP5505/CM5505	CP7505/CM7505
Hardness	9H tempered	9H tempered
Germ-resistant screen	Nano-ionic silver	Nano-ionic silver
Anti-glare	Yes	Yes

Touchscreen

Model	CP5505/CM5505	CP7505/CM7505
Touch technology	CP5505: PCAP; CM5505: IR	CP7505: PCAP; CM7505: IR
Touch points	Up to 50	Up to 50

System

Model	CP5505/CM5505	CP7505/CM7505
CPU	Arm Cortex-A78 x 2 + A55 x 6	Arm Cortex-A78 x 2 + A55 x 6
GPU	Arm Mali-G57 MC2	Arm Mali-G57 MC2
Memory	16 GB	16 GB
Storage	256 GB	256 GB
Operating system	Android 15 (EDLA)	Android 15 (EDLA)

Connectivity

Model	CP5505/CM5505	CP7505/CM7505
USB-C	1 x USB-C Out 2.0 1 x 2.0 (data only) 1 x 3.0 (PD 65W)	1 x USB-C Out 2.0 1 x 2.0 (data only) 1 x 3.0 (PD 65W)
	Note • All USB-C ports can be used for data transmission. • Only the USB 3.0 that support power delivery can be used for touch. • USB-C out can be used for touchback (HDMI IN required).	
USB Type-A	2 x 3.0	2 x 3.0
HDMI in	1 × HDMI 2.0	1 × HDMI 2.0
Audio out	1 × 3.5 mm audio out jack	1 × 3.5 mm audio out jack
RS-232	1	1
OPS slot (for slot-in PC)	1	1
Ethernet	Gigabit Ethernet (10M/100M/1000M)	Gigabit Ethernet (10M/100M/1000M)
Wi-Fi	Wi-Fi 6	Wi-Fi 6

Built-in peripherals

Model	CP5505/CM5505	CP7505/CM7505
Camera	50MP, DFOV 160°, 4K	50MP, DFOV 160°, 4K
NFC sensor	1	1
IR sensor	1	1
Ambient light sensor	1	1
Microphone	8-microphone array (range up to 12 m | 39 ft)	8-microphone array (range up to 12 m | 39 ft)
Speaker	2 × 15 W (max)	2 × 25 W (max)
Subwoofer	NA	1 × 40 W

Power

Model	CP5505/CM5505	CP7505/CM7505
ENERGY STAR®	Yes	Yes
Power	AC 100-240V 50/60Hz	AC 100-240V 50/60Hz
Standby power consumption	< 0.5 W	< 0.5 W
Typical power consumption	95W	135W

Physical

Model	CP5505/CM5505	CP7505/CM7505
Dimensions (W × H × D)	CP:1272.8 × 799.6 × 85.2 mm (50.11 × 31.48 × 3.35 in)/ CM:1272.9 × 799.5 × 91.6 mm (50.11 × 31.48 × 3.61 in)	CP:1720.7 x 1052.7 x 97.5 mm (67.74 x 41.44 x 3.84 in)/ CM: 1720.7 x 1052.7 x 103.9 mm (67.74 x 41.44 x 4.09 in)
Shipping dimensions (W × H × D)	1380 × 880 × 200 mm	1880 × 1135 × 220 mm
Weight (product I shipping)	CP5505: 32.4 kg | 40.6 kg (+/-1kg) 71.4 lbs | 89.5 lbs (+/-2.2 lbs)/ CM5505: 30 kg | 37.6 kg (+/-1kg) 66.1 lbs | 82.9 lbs (+/-2.2 lbs)	CP7505: 55 kg | 74 kg (+/-1kg) 121.3 lbs | 163.1 lbs (+/-2.2 lbs)/ CM7505: 52.8 kg | 70.1 kg (+/-1kg) 116.4 lbs | 154.5 lbs (+/-2.2 lbs)
Mount (screws)	VESA 400 × 400 mm (4 × M6 × 20L)	VESA 800 × 400 mm (4 × M8 × 25L)
Pen holder	1	1

Environment

Model	CP5505/CM5505	CP7505/CM7505
Operating temperature	0°C~40°C | 32°F~104°F	0°C~40°C | 32°F~104°F
Storage temperature	-10°C~60°C | 14°F~140°F	-10°C~60°C | 14°F~140°F
Storage humidity	20%~90% RH non-condensing	20%~90% RH non-condensing
Operating humidity	20%~80% RH non-condensing	20%~80% RH non-condensing

Software

Model	CP5505/CM5505	CP7505/CM7505
Whiteboarding	EZWrite 6	EZWrite 6
Wireless screen sharing	InstaShare 2	InstaShare 2
Account management	AMS	AMS
Device management	DMS	DMS
Quick access tool	Floating Tool	Floating Tool
Broadcast system	X-Sign Broadcast	X-Sign Broadcast
Meeting management	MeetingRoom	MeetingRoom
	SummarAI	SummarAI

Accessories

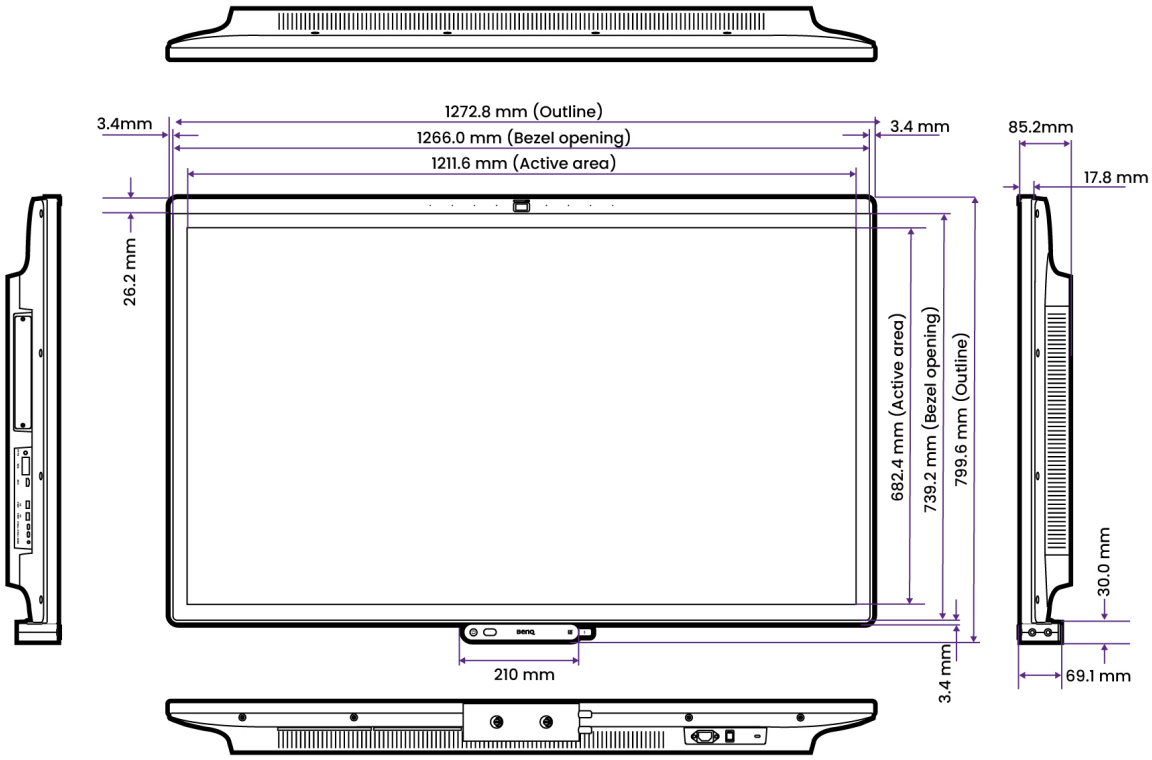
Model	CP5505/CM5505	CP7505/CM7505
Cables	• 1 × HDMI (3 m | 9.8ft) • 1 × USB-C to A (3 m | 9.8ft) • 1 × USB-C (1.5 m | 4.9 ft) • 1 × RS232 cable (1.8m | 5.9 ft) • Power cord 3 m (by region)	• 1 × HDMI (3 m | 9.8ft) • 1 × USB-C to A (3 m | 9.8ft) • 1 × USB-C (1.5 m | 4.9 ft) • 1 × RS232 cable (1.8m | 5.9 ft) • Power cord 3 m (by region)
Wall mount	1	1
Pen	CP5505: Active × 1, Passive × 1 CM5505: Passive pen × 2	CP7505: Active × 1, Passive × 1 CM7505: Passive pen × 2

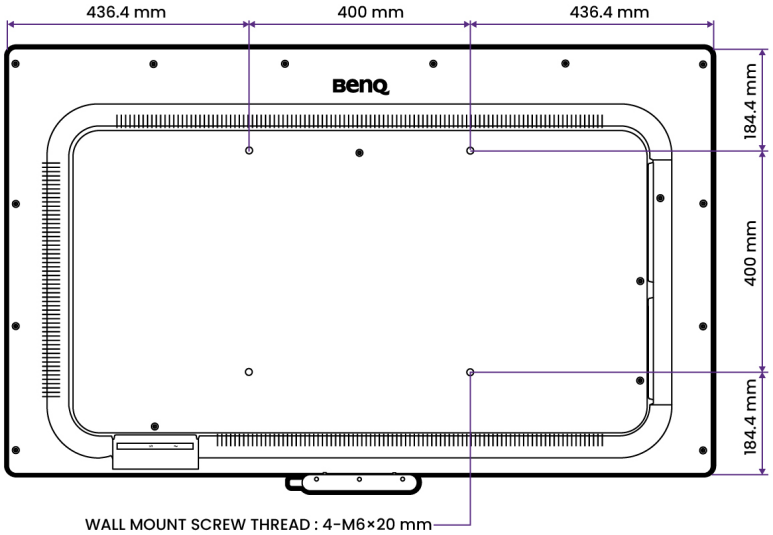
Note

• Specifications and features are subject to change without notice.

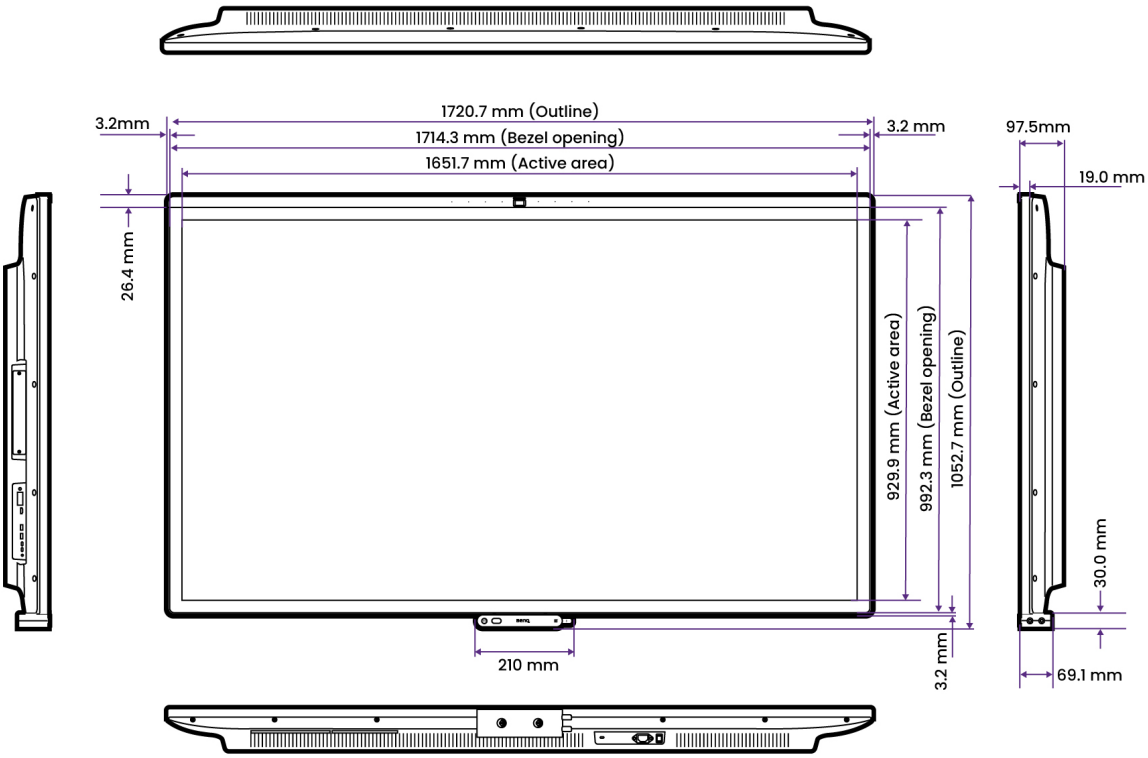
Dimensions

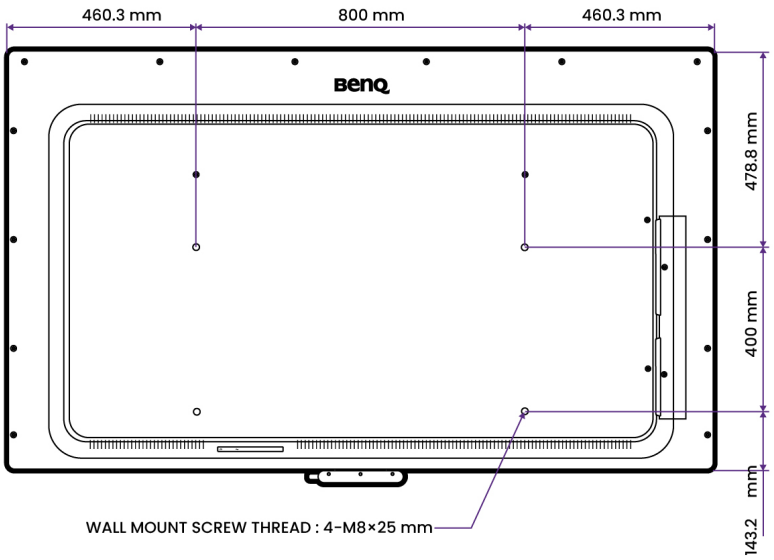
CP5505



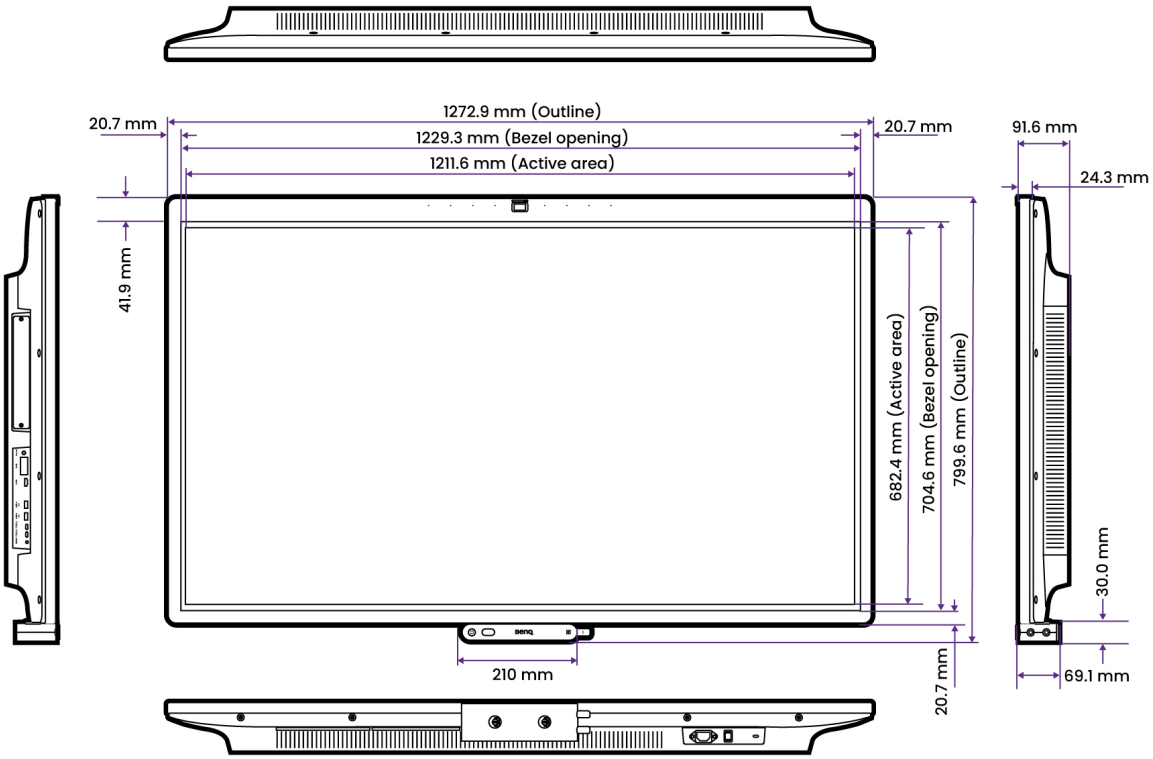


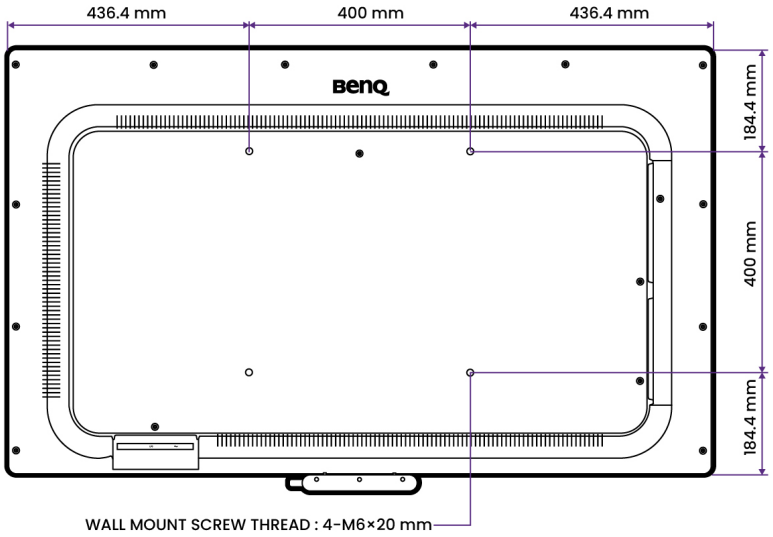
CP7505


3.2mm
1720.7 mm (Outline)
1714.3 mm (Bezel opening)
1651.7 mm (Active area)
3.2 mm
97.5mm
19.0 mm
26.4 mm
929.9 mm (Active area)
992.3 mm (Bezel opening)
1052.7 mm (Outline)
30.0 mm
210 mm
3.2 mm
69.1 mm

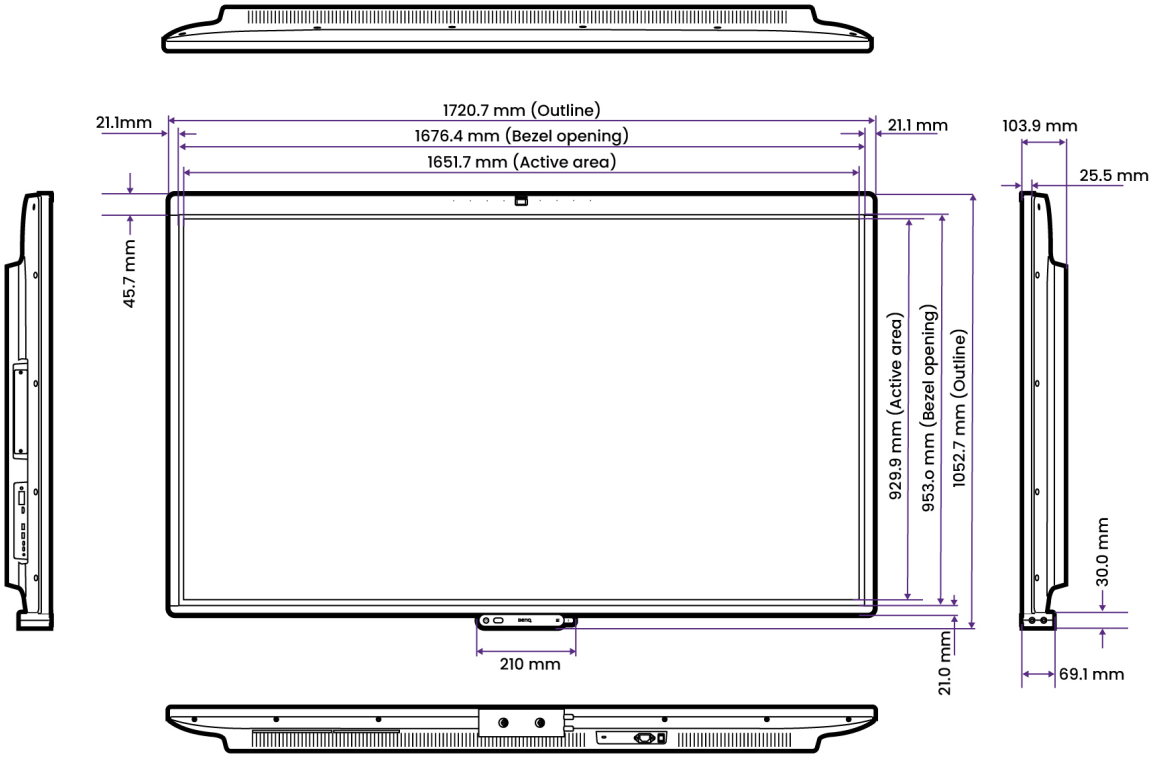

460.3 mm
800 mm
460.3 mm
BenQ
478.8 mm
400 mm
143.2 mm
WALL MOUNT SCREW THREAD : 4-M8×25 mm

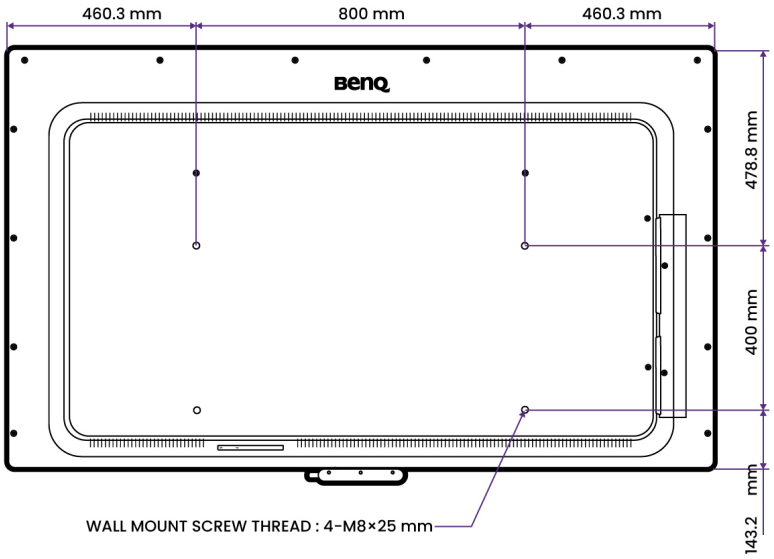
CM5505


1272.9 mm (Outline)
1229.3 mm (Bezel opening)
1211.6 mm (Active area)
20.7 mm
20.7 mm
91.6 mm
24.3 mm
41.9 mm
682.4 mm (Active area)
704.6 mm (Bezel opening)
799.6 mm (Outline)
30.0 mm
210 mm
20.7 mm
69.1 mm


436.4 mm
400 mm
436.4 mm
184.4 mm
400 mm
184.4 mm
WALL MOUNT SCREW THREAD : 4-M6×20 mm

CM7505


1720.7 mm (Outline)
1676.4 mm (Bezel opening)
1651.7 mm (Active area)
21.1mm
21.1 mm
103.9 mm
25.5 mm
45.7 mm
929.9 mm (Active area)
953.0 mm (Bezel opening)
1052.7 mm (Outline)
30.0 mm
210 mm
21.0 mm
69.1 mm


460.3 mm
800 mm
460.3 mm
BenQ
478.8 mm
400 mm
143.2 mm
WALL MOUNT SCREW THREAD : 4-M8×25 mm

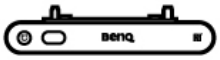
Package contents

Verify all the contents after opening the package. If any item is missing or damaged, please contact your dealer immediately.

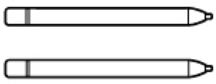
Note

- Package contents and the picture shown here may vary by region. Purchase these items separately if they are not included in the package.
- The type and quantity of power cord may differ depending on the region of purchase.

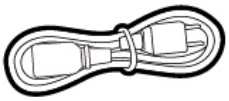
Interactive display



Pen holder with screws



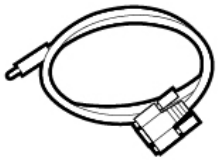
Pens without NFC tag
CP05: 1 × active pen,
1 × passive pen
CM05: 2 × passive pen



Power cord (by region)

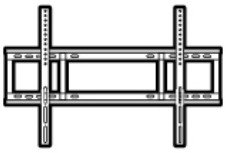
USB Type-C cable

USB Type-C to A cable

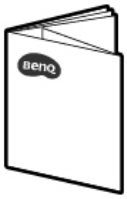


RS232 cable

HDMI cable



Wall mount with screws



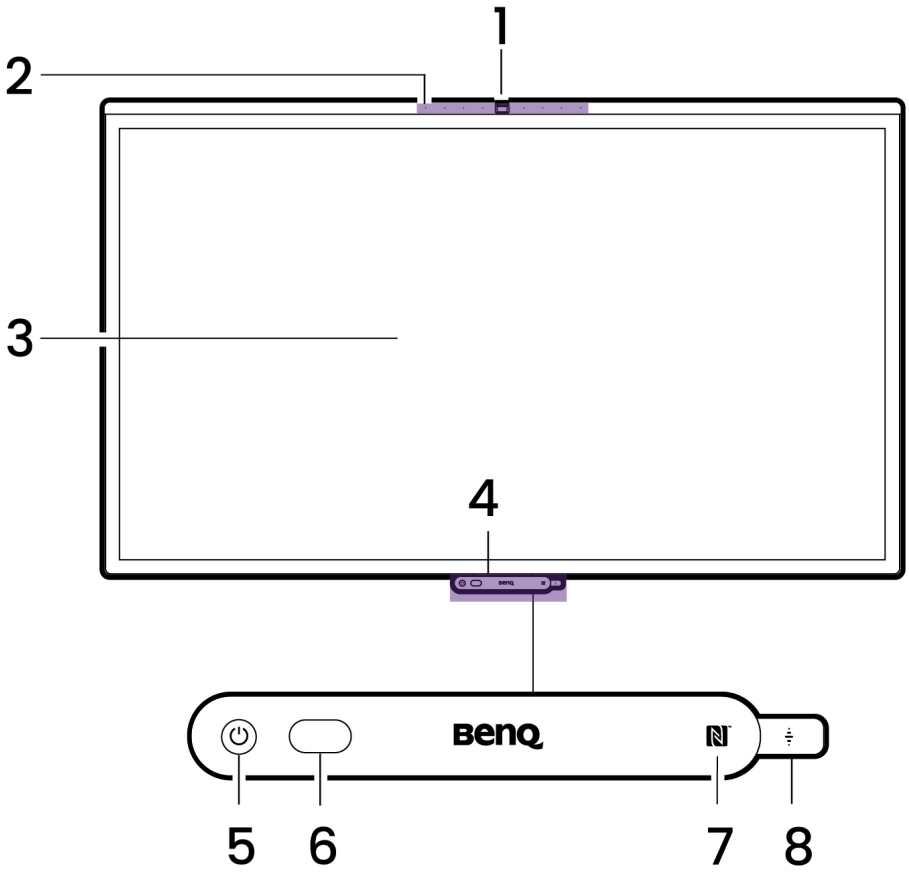
User documents
(Quick start guide,
wall mount installation guide,
regulation sheets)

Important

- Package contents and the pictures shown here may vary by region. Purchase these items separately if they are note included in the package.
- Ensure that there are no accessories left inside the box before discarding the packaging.
- Do not leave plastic bags within reach of young children or babies.
- Dispose of packaging materials wisely. Consider recycling the cardboard carton or storing the package for future transport of the display.

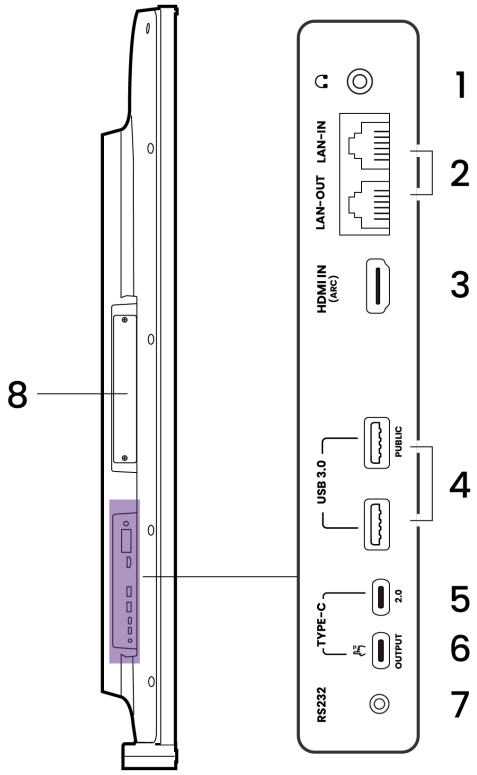
Components

Front panel



No.	Component	No.	Component
1	Camera	5	Power button
2	8-microphone array	6	IR sensor & Ambient light sensor
3	Touchscreen	7	NFC sensor
4	Pen holder	8	Touch pen

Left panel

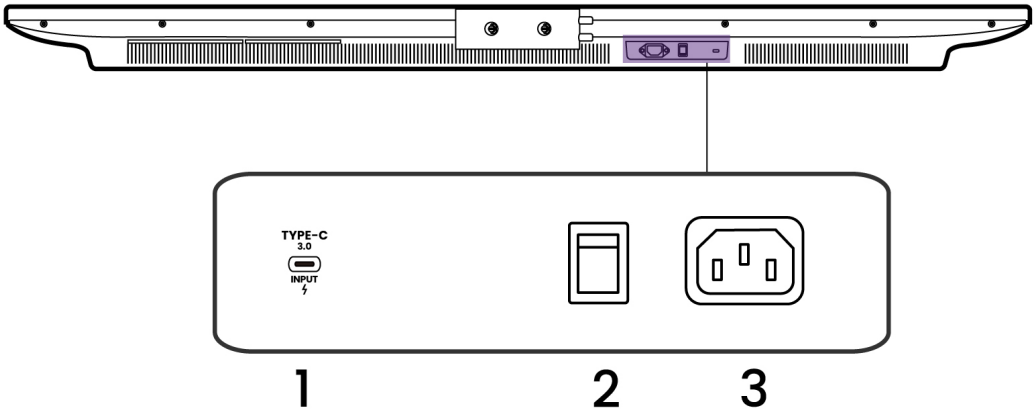


1. 3.5 mm audio out jack[1]
2. Gigabit Ethernet ports[2]
3. HDMI in port[3]
4. USB 3.0 Type-A ports[4]
5. USB 2.0 Type-C port
6. USB 2.0 Type-C out port[5]
7. RS-232 port
8. OPS slot with cover

Note

[1] The 3.5 mm audio out jack does not support audio input, including microphone input from headset devices.
[2] The Gigabit Ethernet ports support data transfer speeds of 10/100/1000 Mbps.
[3] The HDMI1 port supports HDMI ARC. For details, see Output.
[4] These USB 3.0 Type-A ports function as USB passthrough ports. When a laptop is connected to the display as an input source, users can use these as extra data ports for their laptop.
[5] The USB 2.0 Type-C out port allows users to extend the BenQ Board screen to another device. It supports the transmission of data, video, audio, and touch functions.
• Avoid plugging flash drives into all USB ports at once to prevent slower reading performance.
• Regularly clean the input/output ports to prevent dust accumulation.

Bottom panel



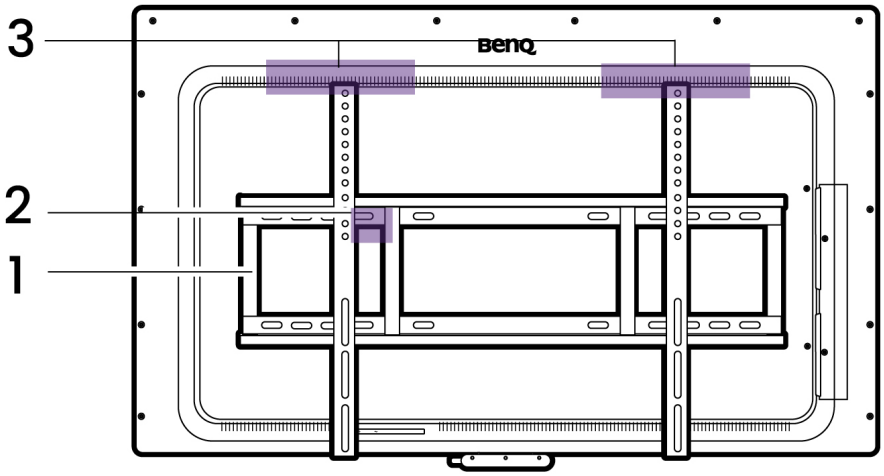
1. USB 3.0 Type-C in port[1]
2. Power switch
3. Power input

Note

[1] The USB 3.0 Type-C input port allows users to connect the device to external sources. It supports 65W power delivery and the transmission of data, video, audio and touch functions.

• Regularly clean the input/output ports to prevent dust accumulation.

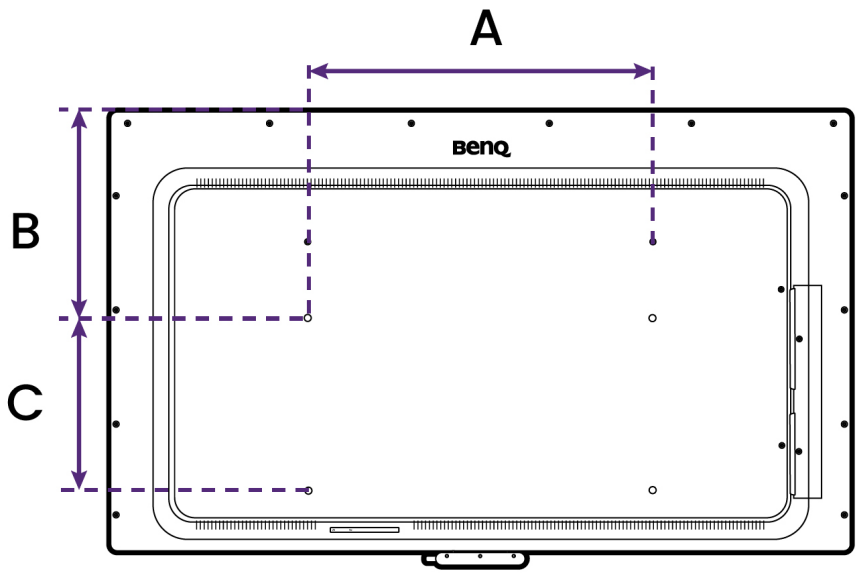
Rear panel



1. Wall mount (pre-installed)
2. 40 W subwoofer (CP7505/CM7505 only)
3. Speaker

Vesa specifications

Screw size: 55":M6 x 20L; 75": M8 × 25L



Dimension	CP5505/CM5505	CP7505/CM7505
A	400 mm	800 mm
B	184.4 mm	478.8 mm
C	400 mm	400 mm

Installation requirements

Category	Item
Environment	• Room temperature: 0 to 40˚C (32 to 104˚F) • Non-condensing relative humidity: 20 to 80% • Flat, anti-static surface with no exposure to direct sunlight, liquids, and chemicals
Hardware and peripherals	Ethernet cable
Tools	• Scissors • Phillips screwdriver • Padding • Anti-static wrist strap

Setting up the display

1. Place the display in an environment that meets the requirements.
   For details, see Installation requirements.
2. Add the display to DMS.
   For details, see Adding the display to DMS.
3. Unbox the display.
   For details, see Unboxing.
4. Mount the display.
   For details, see Mounting.
5. Install any additional accessories and peripherals.
   For details, see the following topics:
   - External PC
6. Connect the power cord and all applicable cables.
7. Power on the display.
   For details, see Powering on the display.
8. Set up BenQ Launcher.
   For details, see Setting up BenQ Launcher.
9. Bind the display to AMS.
   For details, see Binding the display to AMS.

Installation and Configuration

This chapter provides specific hardware and firmware installation and configuration steps.

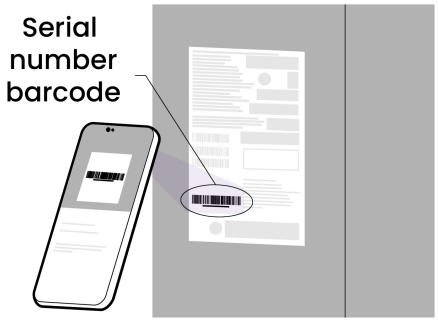
Adding the display to DMS

The BenQ Device Management Solution (DMS) is a device management platform that allows IT administrators to remotely manage their BenQ interactive displays. For more information on DMS, refer to the DMS user manual.

Tip

Before unboxing each display, IT administrators can add each one to their DMS device list by scanning the device serial number barcode. BenQ recommends performing this step for easier device and firmware management.

1. Install and launch the DMS app on a mobile device.
2. Log in with a DMS administrator account.
3. Tap ＋ .
4. Scan the serial number barcode on the side of the box.



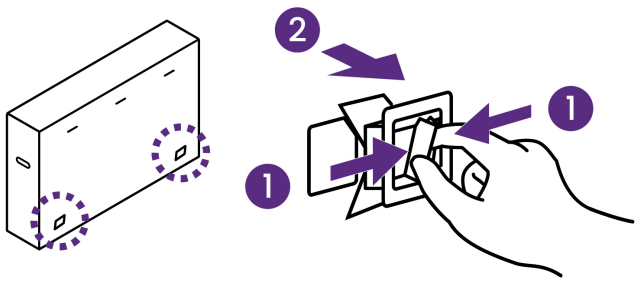
5. Enter a device name and description, and then tap **Add**.

Unboxing

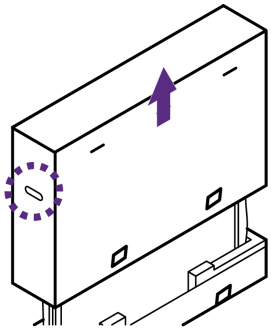
Warning

To prevent serious physical injuries and damages to the display, ensure that the display is installed by at least two qualified technicians. BenQ accepts no liability for installations not performed by a professional technician.

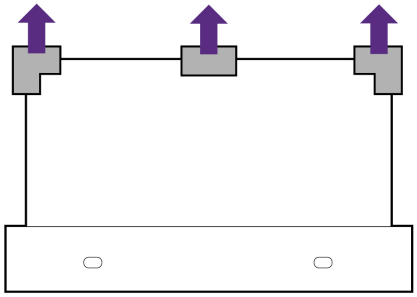
1. Place the box in an upright position on a clean, dry, stable surface.
2. Remove the box.
   a. Cut the box straps.
   b. Unfasten the clips. Simultaneously pinch the handles together, and then pull it out. The total number of clips varies by model.



c. Using the flaps on the side, carefully lift the box off the display.



3. Remove the panel protectors.



4. Collect all accessories.

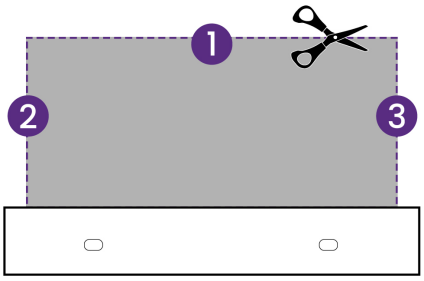
Important

Ensure that each box and their contents are accounted for before disposing any of the original packaging. For details, see Package contents.

5. Carefully cut the protective cover.

Tip

For easier removal of the display, cut three sides of the cover.



Mounting

The interactive display comes with a preinstalled wall mount that can be replaced with a different mount to meet specific requirements. Refer to the third-party wall mount or trolley mount user guide for the installation instructions.

Warning

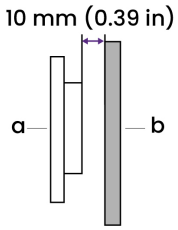
To prevent serious physical injuries and damages to the display, ensure the following:

- The display is installed by at least two qualified technicians. BenQ accepts no liability for installations not performed by a professional technician.
- The display is securely mounted in accordance with the installation instructions.

Mounting the display on a wall

Important

To maintain proper ventilation, ensure that there is at least 10 mm (0.39 in) of clear space between the back of the display and the wall. Take note of this when installing the wall mount.

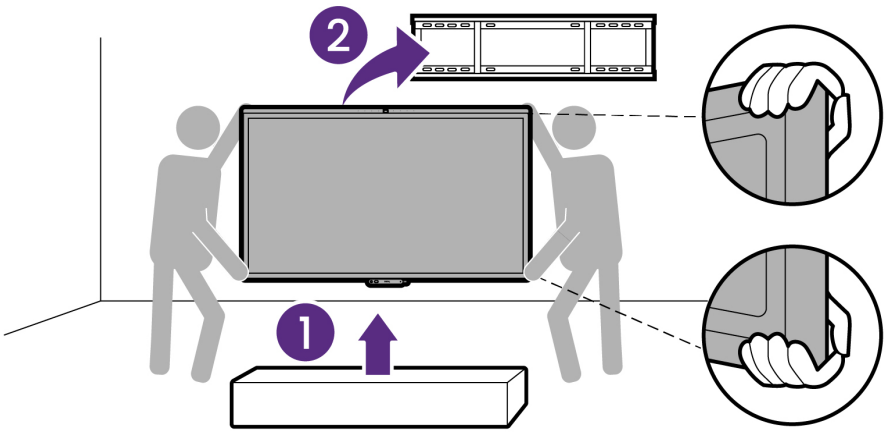


(a) Display
(b) Wall

1. Ensure that the mounting plate is securely attached to the wall.
2. Ensure that the mounting brackets are securely attached to the display.
3. Carefully lift the display to its upright position, and then carry it towards the plate.

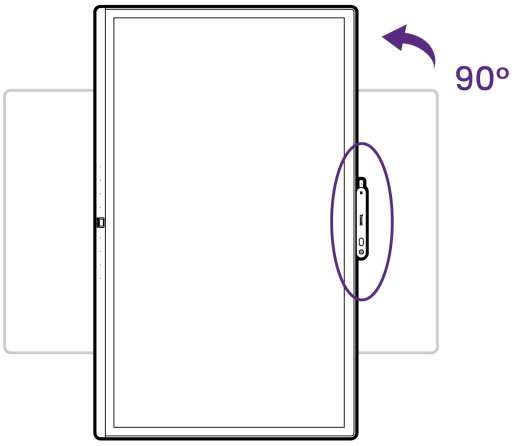
Important

- The display should be handled by two people, one person on each side.
- Use both hands to lift the display. Place one hand on the top outer corner and the other hand supporting the bottom edge.



Mounting in portrait orientation (55" only)

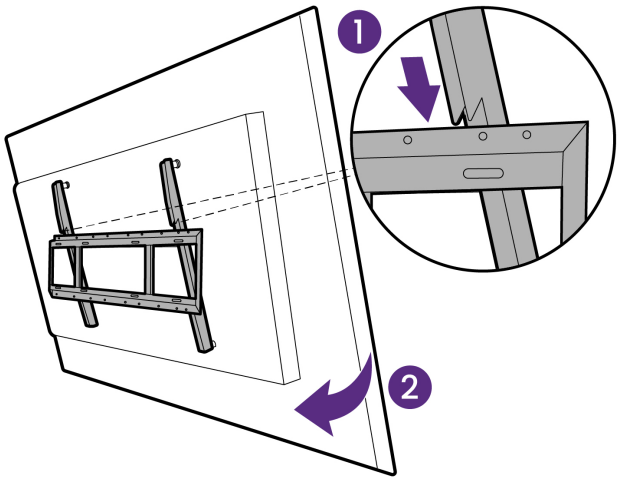
This display supports both landscape and portrait orientations. To mount in portrait mode, adjust the rear brackets to match the wall mount, then rotate the display 90 degrees counterclockwise so the pen holder is on the right when facing the screen.



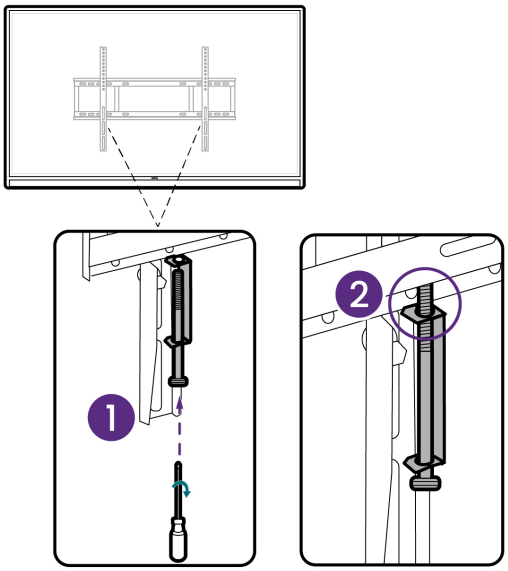
Important

Adjust the rear mounting brackets to match the wall mount before hanging the display.

4. Align the bracket hooks with the plate, and then carefully mount the display onto the wall.

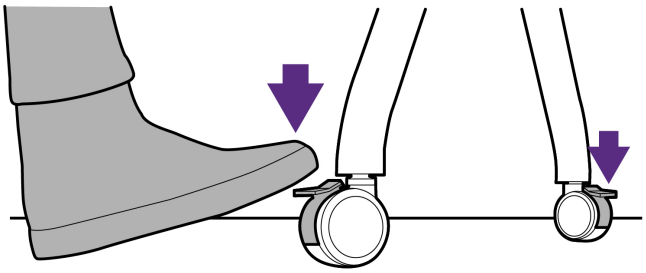


5. Attach the locking screws until they are fully secured to the mount.



Mounting the display on a trolley

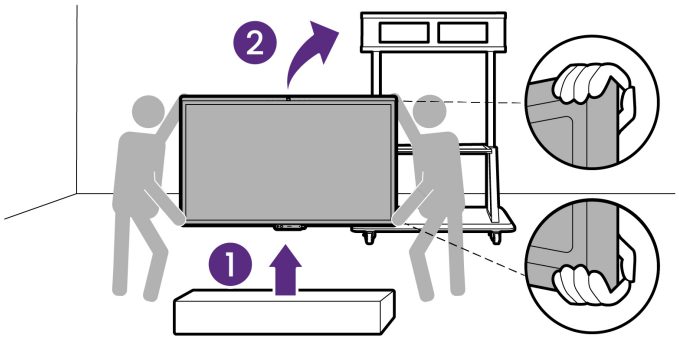
1. Lock all the trolley wheels in place.



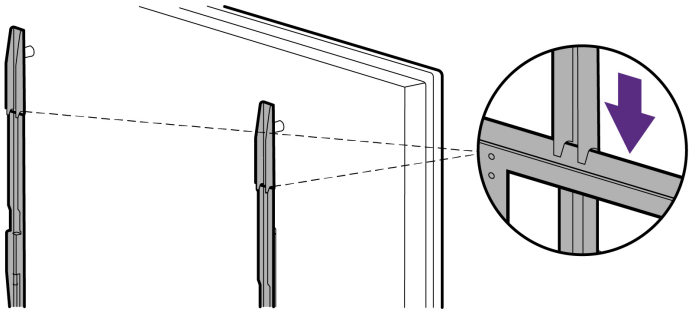
2. Ensure that the mounting brackets are securely attached to the display.
3. Carefully lift the display to its upright position, and then carry it towards the trolley.

Important

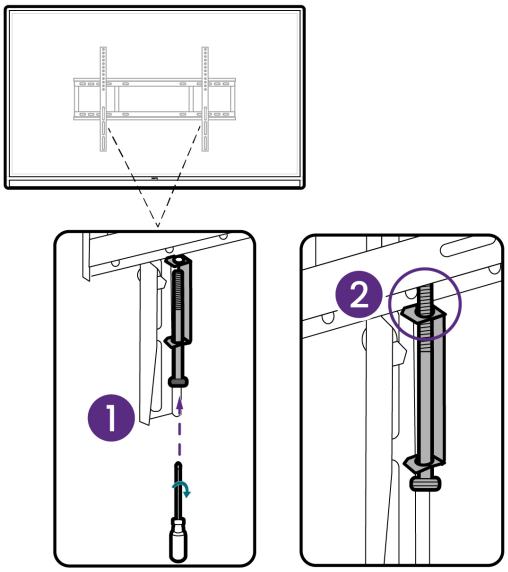
- The display should be handled by two people, one person on each side.
- Use both hands to lift the display. Place one hand on the top outer corner and the other hand supporting the bottom edge.



4. Align the bracket hooks with the mounting plate, and then carefully mount the display onto the trolley.



5. Attach the locking screws until they are fully secured to the mount.



Removing the original wall mount

1. Place padding on a flat, horizontal, and object-free surface.

   Important

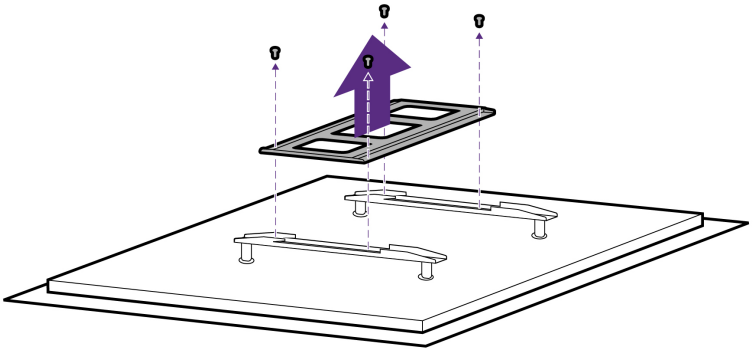
   • Ensure that the padding is clean, soft, and dry to prevent leaving marks on the screen.
   • Ensure that the size of the padding is larger than the display.

2. Gently lay the display on the padding with the screen facing down.

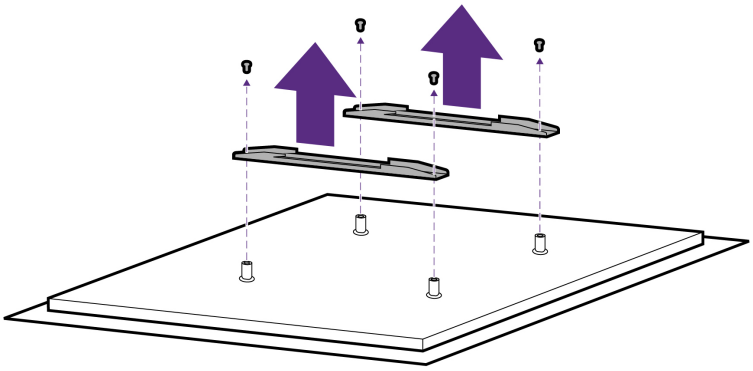
   Warning

   To prevent damages to the display, do not step, lean, or put pressure on the display when removing the wall mount.

3. Remove the screws securing the mounting plate.
4. Carefully remove the plate.



5. (Optional) Remove the mounting brackets.
   If the height of the brackets needs to be adjusted or the brackets themselves need to be replaced to match a different wall mount, you can remove the existing brackets.
   a. Remove the screws securing the mounting brackets.
   b. Carefully remove the brackets.



Installing mounting brackets

1. Place padding on a flat, horizontal, and object-free surface.

   Important

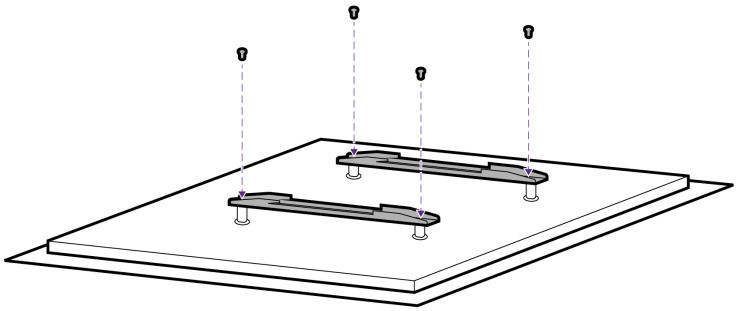
   • Ensure that the padding is clean, soft, and dry to prevent leaving marks on the screen.
   • Ensure that the size of the padding is larger than the display.

2. Gently lay the display on the padding with the screen facing down

   Warning

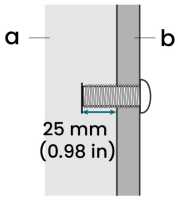
   To prevent damages to the display, do not step, lean, or put pressure on the display when installing the mounting brackets.

3. Align the holes of the mounting brackets with the holes at the back of the display.
   Adjust the placement of the brackets depending on the height requirements of the room.
   For details, see Vesa specifications.
4. Attach the screws to secure the brackets in place.



Important

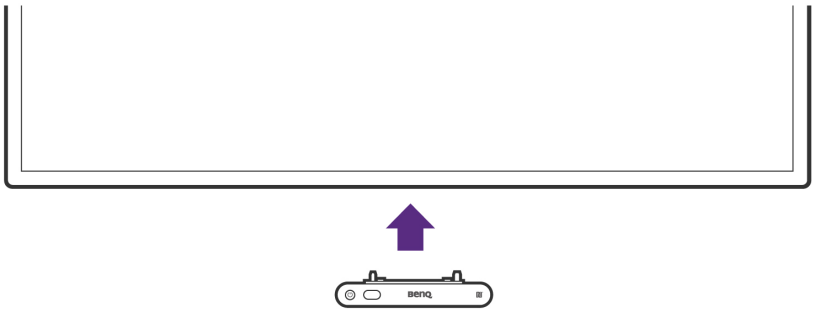
Ensure that all the all screws are securely attached to the brackets. The recommended torque is 470-635 N•cm (41.59-56.20 lb•in).



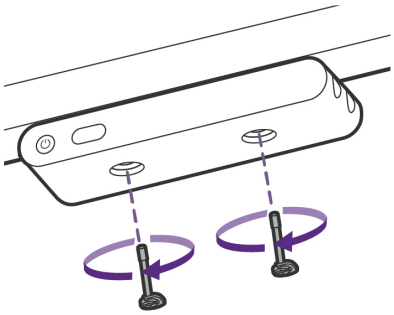
(a) Display
(b) Wall mount bracket

Installing the pen holder

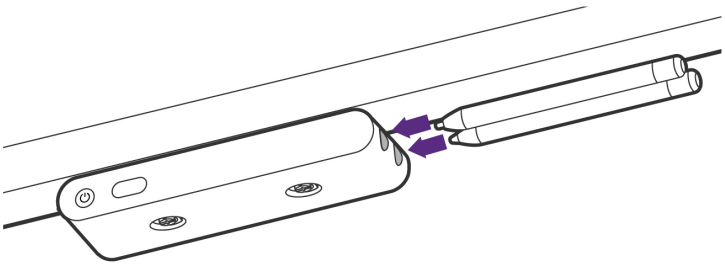
1. Align the pen holder with the screws at the bottom-center of the display.



2. Tighten the screws to ensure that the pen holder is securely installed.



3. Place the pens into the holes of the pen holder.

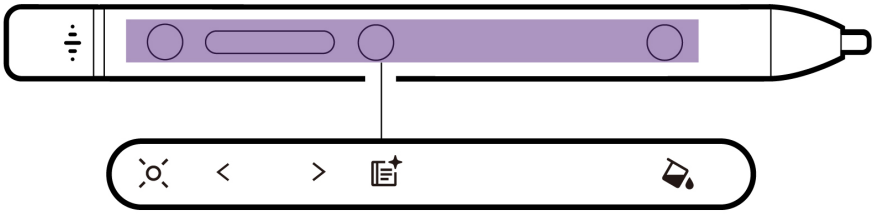


Important

- Active Pen: Front slot only (for charging). Keep buttons facing forward.
- Passive Pen: Curved side forward. Fits in either slot.
- The pen's appearance may vary by model. The image above shows an example of the CP05.

Using the active pen (CP05 models only)

The active pen enables precise interaction with digital displays, intergrating features for presentations and software tools such as **SummarAI** and **Voice assistant** for meeting summaries or recordings.



Icon	User action	Description
	Single press	Pointer
	Long press	
	Single press	Page up
	Long press	Exit slide show
	Single press	Page down
	Long press	Play slide show
	Single press	SummarAI
	Long press	Voice assistant
	Single press	Change color
	Long press	Eraser

Note

- The pen tip supports 4096 levels of pressure sensitivity.
- FCC ID: JVPPA05G
- CAN ICES(B)/NMB(B)
- IC:6175A-PA05G
- Model Name: PA05G

Warning

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions : (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

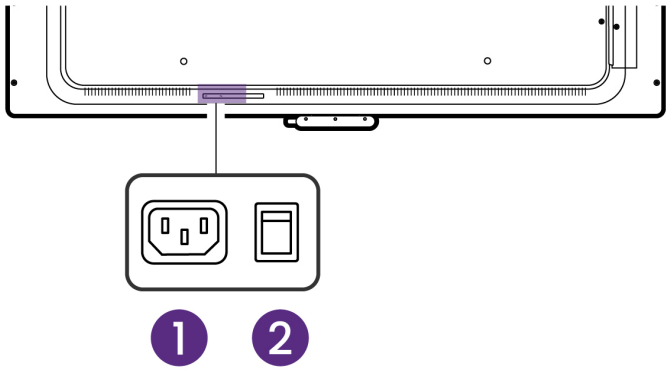
Powering on the display

1. Ensure that the power cord is connected to the display and a power source.

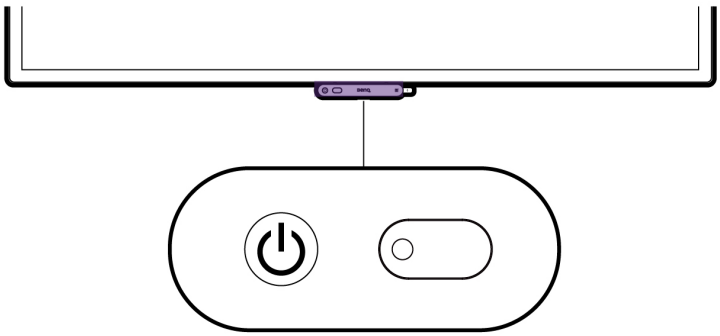
   Important

   - The supplied power cord supports 100-240V AC.
   - The cord varies depending on the region. Make sure to use the appropriate type.
   - Protect the power cord from being snagged, stepped on, or pinched, particularly near the plug and the point where it is connected to the display.
   - Be aware of power loading when using extenders or multiple-outlet power boards.

2. Ensure that the power switch is turned on.



3. Press the Power button on the front control panel.



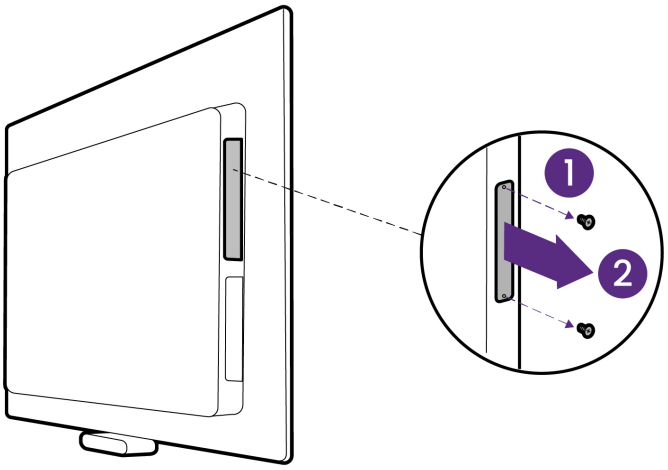
External PC

Use a different operating system and expand the computing capacity of the BenQ Board by installing an OPS slot-in PC.

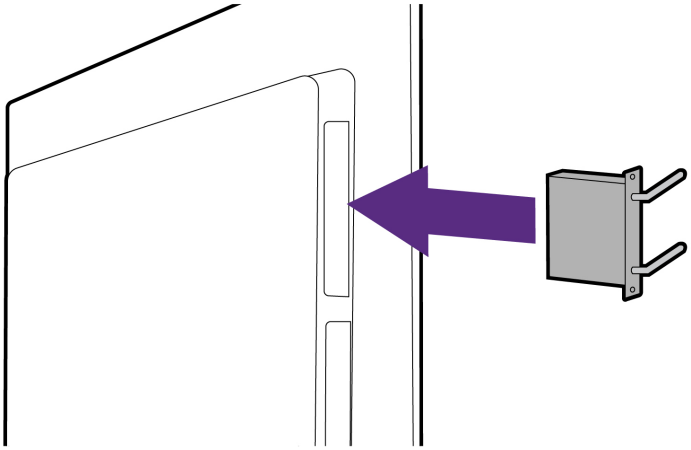
Installing an OPS slot-in PC

1. Power off the BenQ Board.
2. Disconnect the power cord from the electrical outlet.
3. Remove the slot cover.
   a. Locate the OPS slot cover.
   b. Remove the screws and the cover.

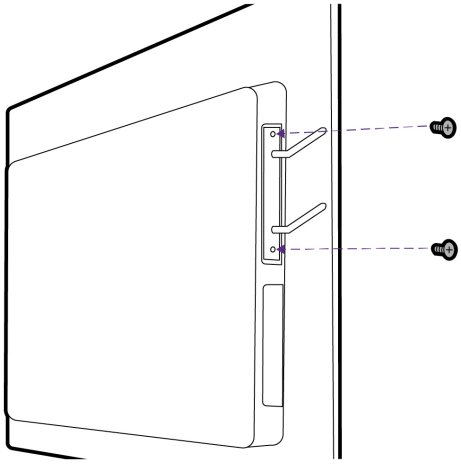
Tip
Store the cover in case there is a need for it in the future.



4. Slide the PC into the slot until it locks in place.



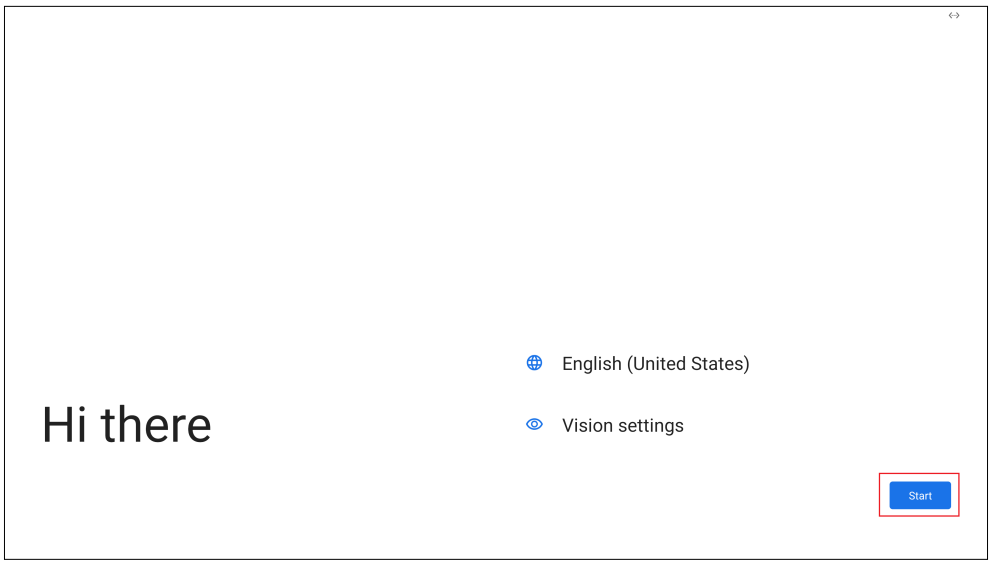
5. Attach the screws.



6. Connect the power cord to the electrical outlet.
7. Power on the BenQ Board.

Setting up BenQ Launcher

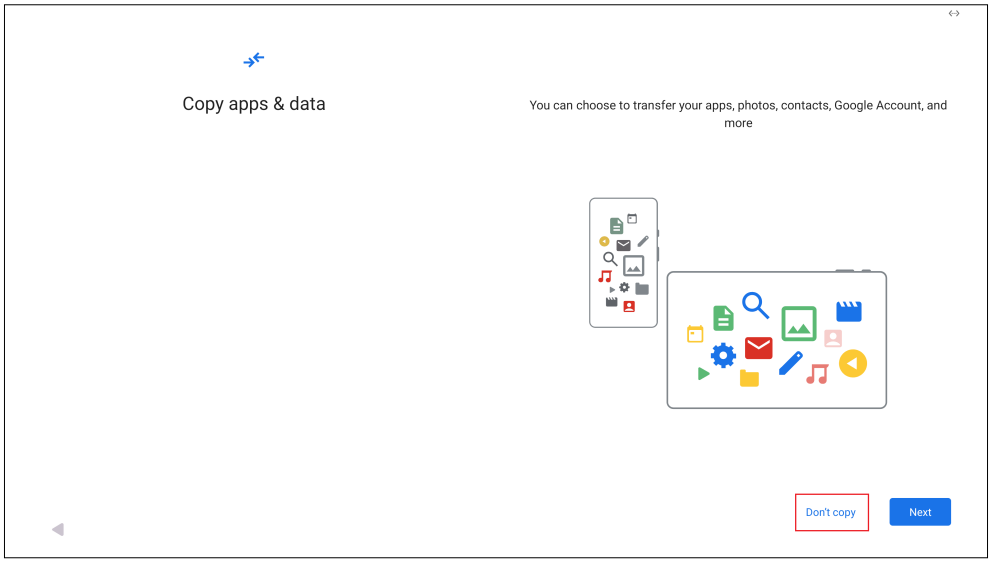
1. Power on the BenQ Board.
2. Set the language and vision settings, and then tap **Start**.



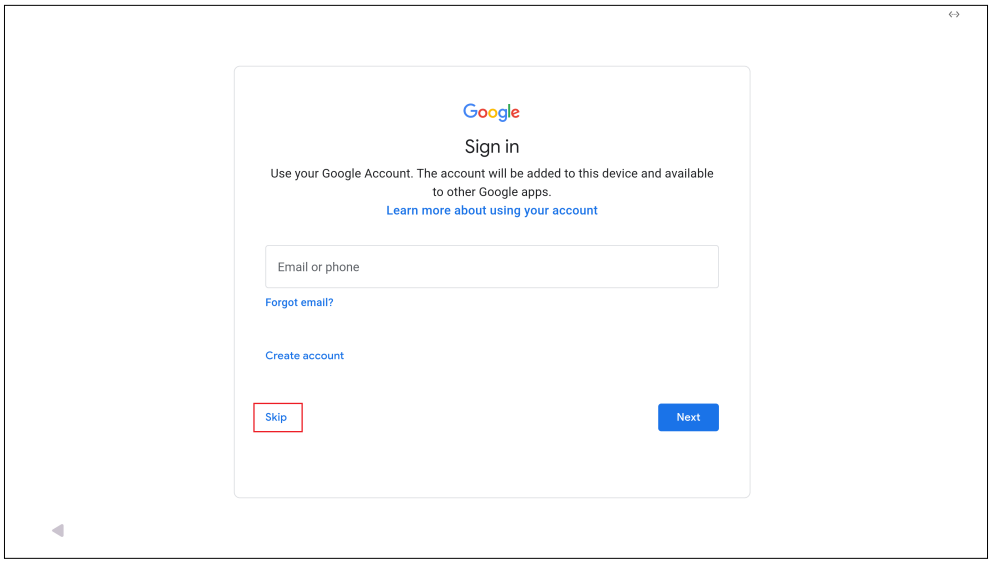
3. Perform the steps relevant to your internet connection.

Internet connection	Steps
Wi-Fi	a. Select a network. b. Enter the network credentials. c. Tap **Next**.
Ethernet	Skip to step 4.
Offline	a. Tap **Set up offline**. b. Set the date and time. c. Tap **Next**. d. Skip to step 7.

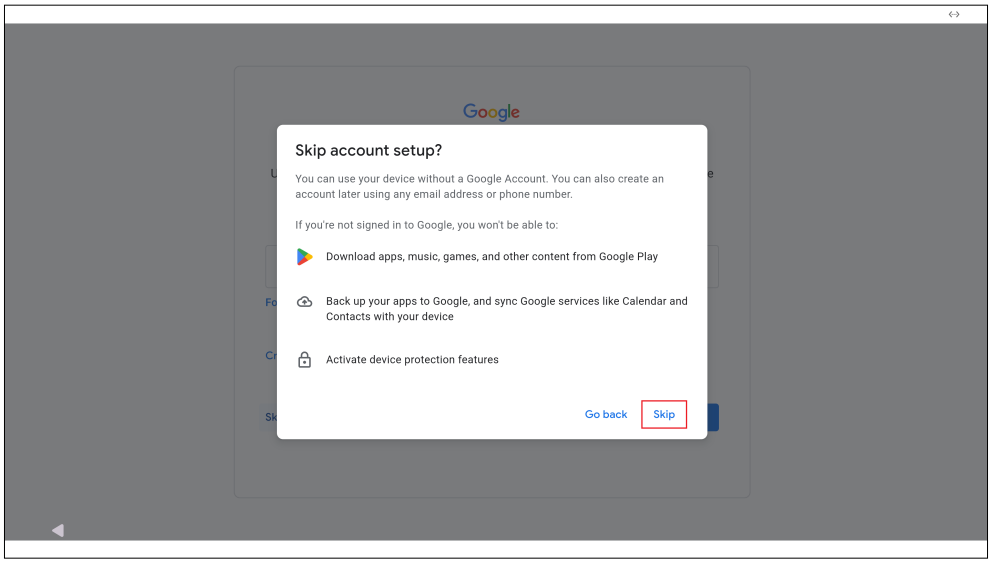
4. Tap **Don't copy**.



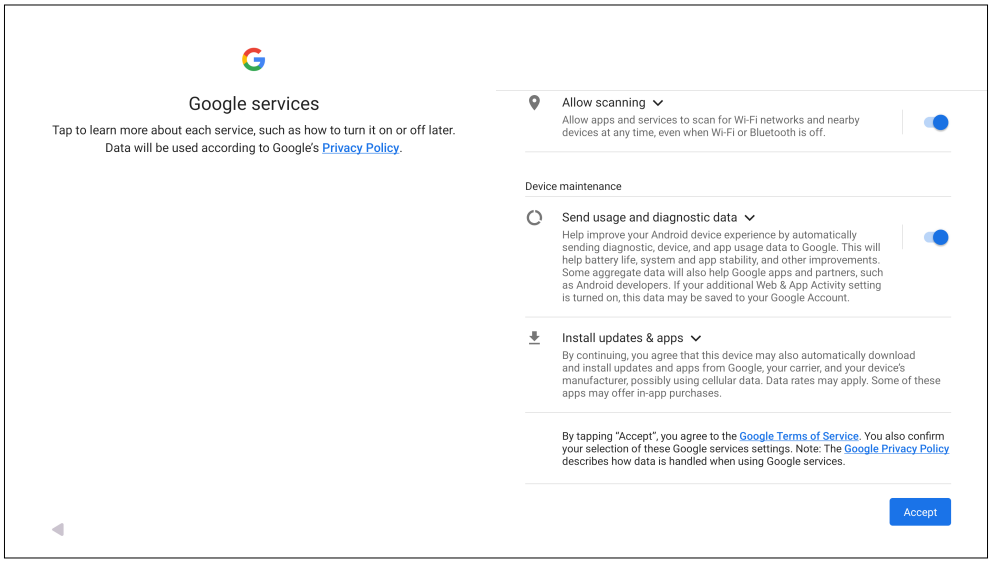
5. Tap **Skip**.



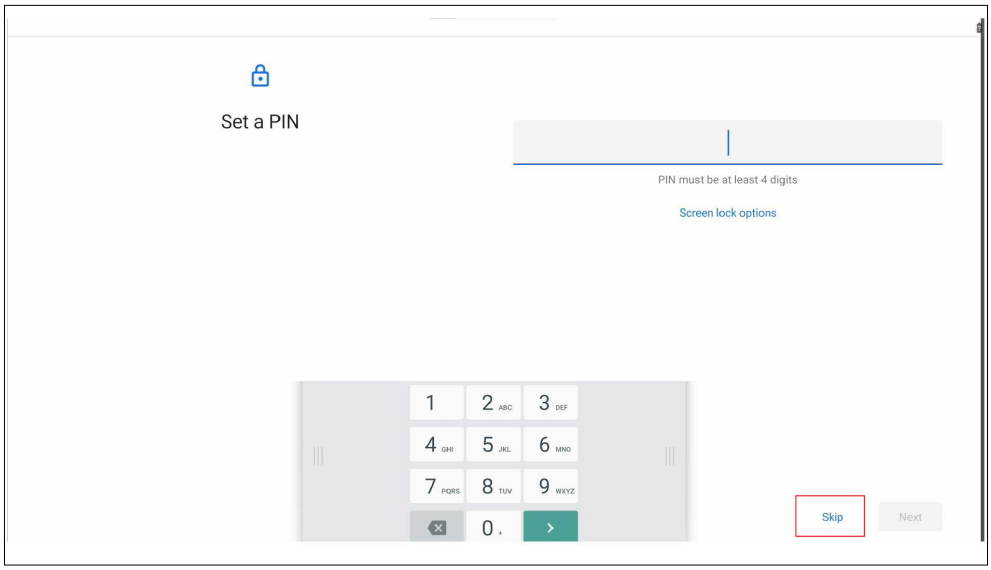
6. Tap **Skip**.



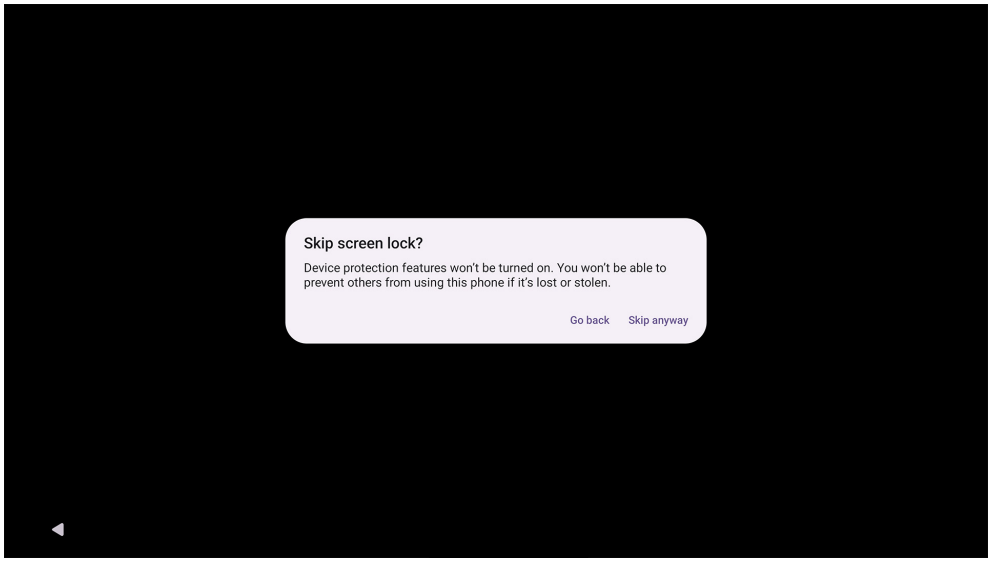
7. Review the permissions, and then tap **Accept**.



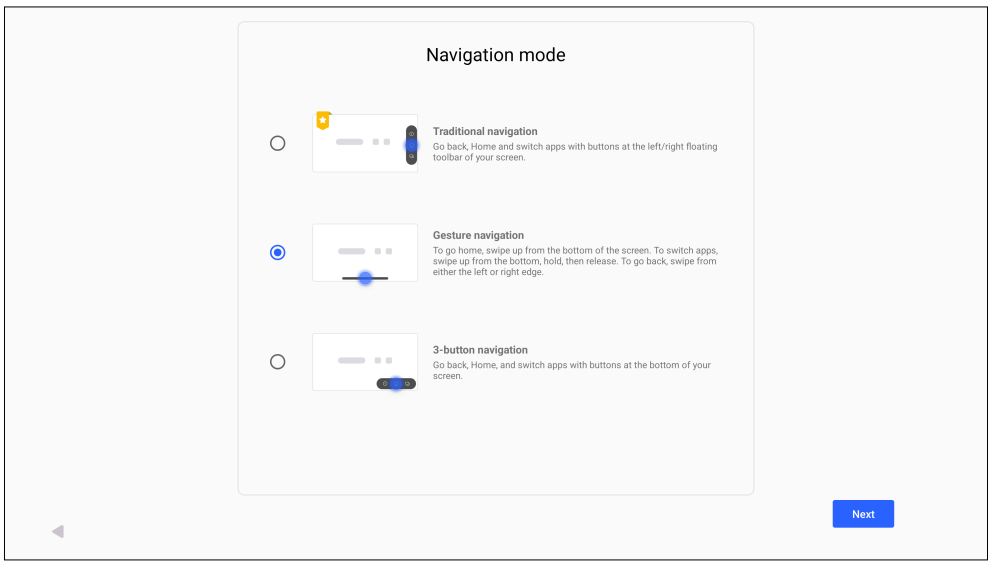
8. Tap **Skip**.



9. Tap **Skip anyway**.

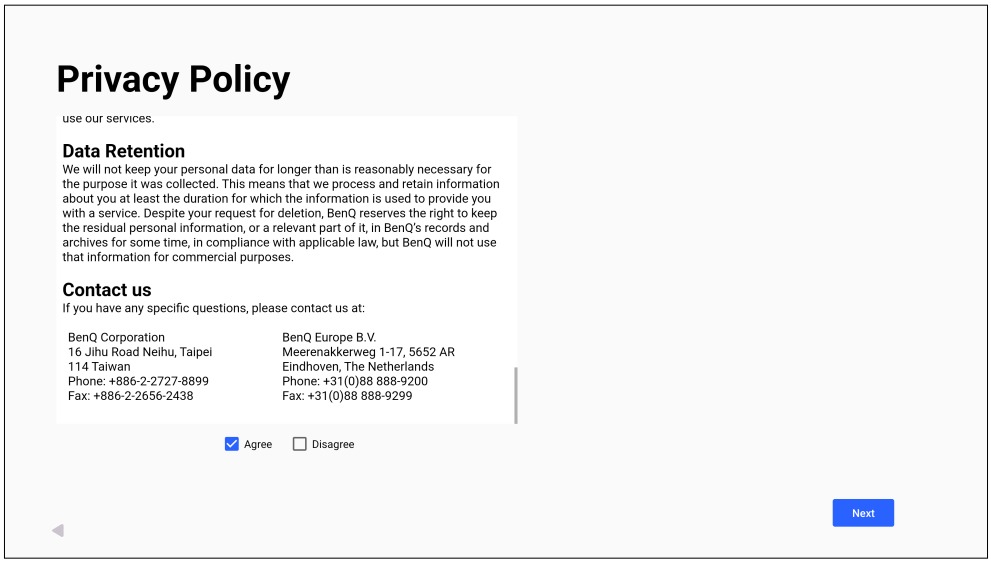


10. Select a navigation mode, and then tap **Next**.



11. Carefully read and accept the End-User License Agreement, and then tap **Next**.

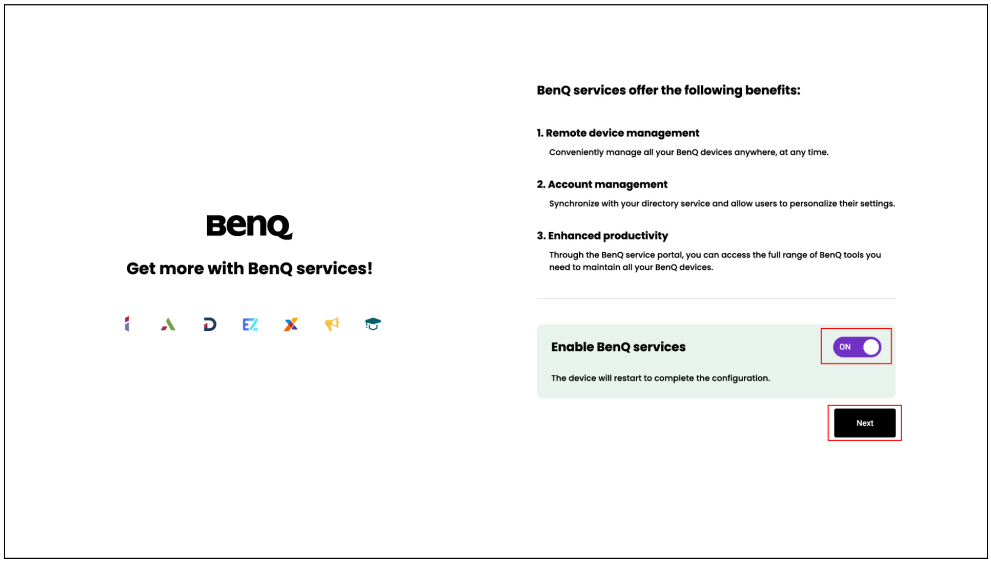
12. Carefully read and agree to the Privacy Policy, and then tap **Next**.



13. On the **BenQ services** screen, tap **Enable BenQ services**, and then tap **Next**.

Important

BenQ recommends enabling BenQ services, which grant IT administrators full access to display and user management features. Choosing to enable BenQ services at a later time will require you to reset the display to its factory settings and set up the BenQ Launcher.



The system will restart automatically.
Upon startup, an installation message for the BenQ wireless screen sharing solution may appear.

14. **Optional**: Activate AMS.
    For details, see Binding the display to AMS.

Binding the display to AMS

The BenQ Account Management System (AMS) is an account management platform that enables users to quickly and securely load and access their personal settings and cloud storage on any BenQ interactive display. For more information on AMS, refer to the AMS user manual.

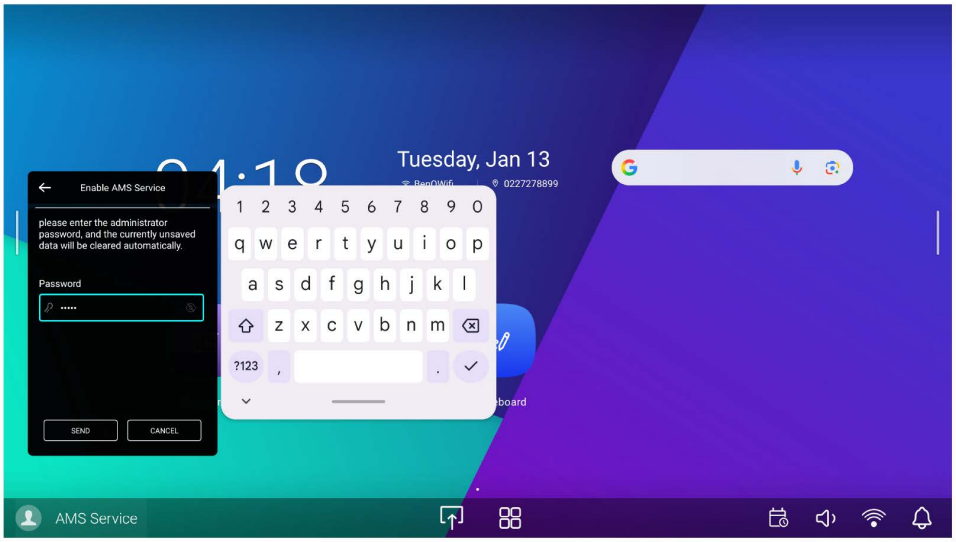
Tip

Binding the display to AMS, allows users to log in to the device using their BenQ account.
BenQ recommends performing this step for more convenient and secure access to the BenQ Boards, user profiles, and data.

Important

Before performing any of the following steps, ensure that the display is connected to the internet either through Wi-Fi or Ethernet.

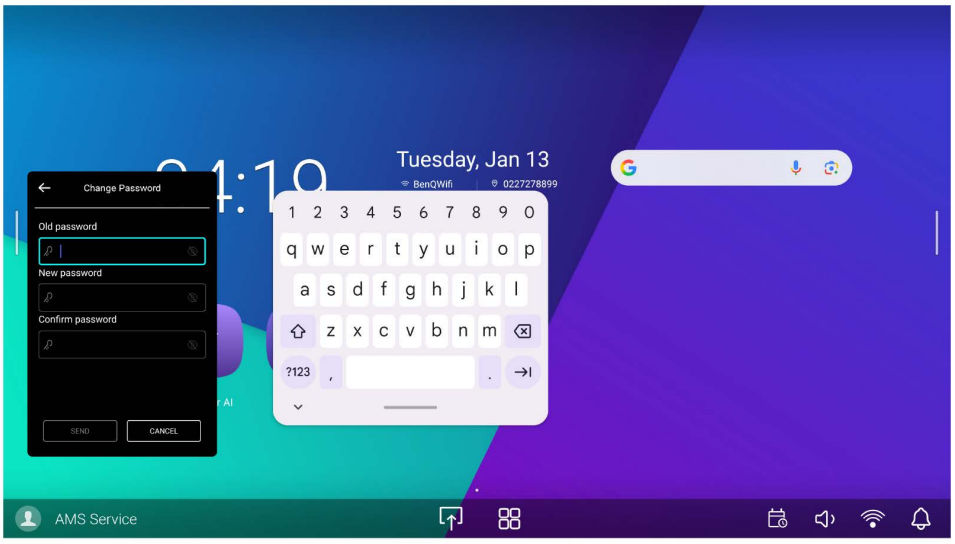
1. Tap **AMS Service**.
2. In the Password field, type admin, and then tap **Send**.



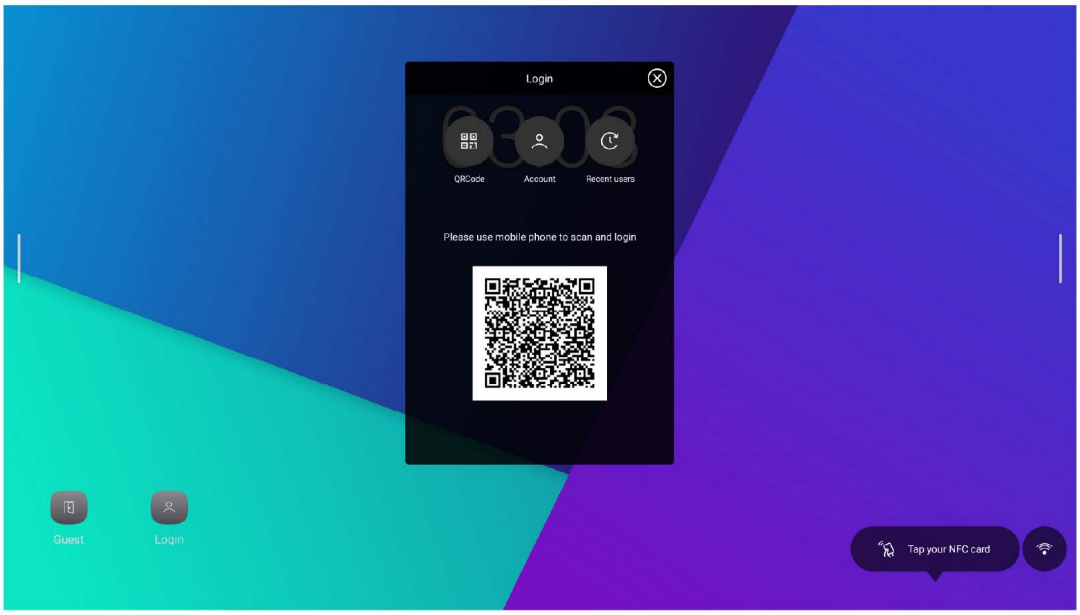
3. Set a new local administrator password, and then tap **Send**.

Important

Make sure to set a strong local administrator password to prevent unauthorized access to the display. This password is different from the administrator credentials that are used to log in to BenQ cloud services such as BenQ DMS, AMS, and the Identity and Access Management (IAM) system.



4. Bind the board to AMS.



Choose one of the following methods:

Methods	Actions
QR code	1. Tap . 2. Scan the QR code. The login page loads on the device's web browser. 3. Enter the AMS administrator credentials. 4. Tap **Log in**. Note: Administrators only need to enter their credentials the first time they log in using a QR code.
Password	1. Tap **Account** or **Recent users**. 2. Enter the AMS administrator credentials. 3. Tap **Log in**.
NFC card	Tap the administrator NFC card on the NFC reader.
Single Sign-On (SSO)	Access AMS Service using your Single Sign-On (SSO) credentials.

Basic operations

This chapter describes the basic interactive display operations.

Power button

LED status

LED behavior	Display status	Description
Solid white	On	The display is powered on and awake.
Blinking red and white	Asleep	The display is powered on and in sleep mode.
Solid red	Powered off	The display is powered off, connected to a power source, and the power switch is on.
Off	Power switch off	The power switch is off or the display is not connected to a power source.

Operations

Operation	User action	Result
Power on	Press the button while the display is powered off.	The displays powers on.
Sleep	Press the button while the display is powered on and active.	The display goes into sleep mode.
Wake up	Press the button while the display is in sleep mode.	The display wakes up.
Power off	Press and hold the power button for three seconds.	A countdown timer appears and powers off the display in 10 seconds.
Force power off	Press and hold the power button for 10 seconds. If this fails, use the power switch at the bottom of the board.	The display shuts down.
	Important: Use this method only when the display is unresponsive.	

User access

BenQ recommends binding BenQ Boards to AMS for more convenient and secure access to the board, user profiles, and data. When AMS is enabled, users can log in to access BenQ Board features as well as their local and cloud-based files and folders. For details, see Binding the display to AMS.

Logging in

Login Method	User Action
Log in as a guest	Tap **Guest**.
Log in with AMS credentials	Tap **Log in**. Enter a valid user name and password.

Login Method	User Action
Log in using SSO	1. Tap **Log in**. 2. Tap **Sign in with SSO**. 3. Select a directory service. 4. Enter a valid user name and password.
Log in with an NFC card	Tap a registered NFC card on the NFC sensor.
Log in through QR code	1. Tap **Log in**. 2. Tap **QR code**. 3. Scan the QR code. 4. Enter a valid user name and password. Note: Users only need to enter their credentials the first time they log in using a QR code.

Logging out

1. Tap the user account icon on the bottom left corner of the screen.
2. Tap **Log out**.

Tip

Administrators can enable **Idle Session Logout** on AMS to ensure that the board is logged out when it remains inactive for a set period of time. This prevents unauthorized access to the display and the user data in case the original user forgets to log out of their account.

User interface

Home screen

After logging into the BenQ Board, users will have access to their own Home screen. Users can personalize this screen by changing their wallpaper to match their preference.

.

1. Sidebar
2. Page navigation
3. Taskbar
4. User account
5. App dock
6. Connections and settings
7. Apps, widgets, and bookmarks
8. MeetingRoom
9. Volume controls
10. Network connection status
11. Notifications

Changing the wallpaper

1. Tap the user account icon at the bottom left corner of the screen.
2. Tap **Personal Settings** > **Wallpaper Settings**.
3. Select a wallpaper image.

Note

The image list only appears when there are image files saved on the display or on any connected USB device.

4. (Optional) Edit the image.
5. Tap **Save copy**.

Note

If you are logged in to AMS, the wallpaper will be synced with your AMS account.

Adding app shortcuts to the taskbar

1. Tap the App Menu icon on the bottom taskbar.
2. Tap **Taskbar shortcuts**.

3. Select the apps you want to pin to the taskbar. Selected apps will display a checkmark and appear on the taskbar.

Tip

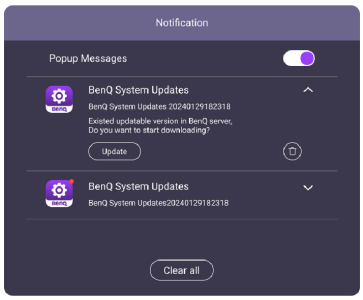
Apps can be added to the app dock through the Taskbar shortcuts menu. The app dock can hold a maximum of seven apps.

Removing app shortcuts from the taskbar

1. Tap the App Menu icon on the bottom taskbar.
2. Tap **Taskbar shortcuts**.
3. Tap checked apps to clear their checkmarks. Deselected apps will be removed from the taskbar.

Managing notifications

The BenQ Board automatically receives the latest firmware and apps updates once it is connected to the internet. Every time a new update is available, a red badge appears on the Notifications icon . Tap the icon to open the Notifications window.



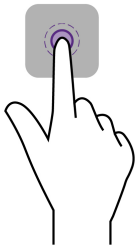
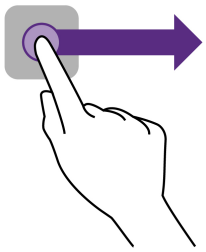
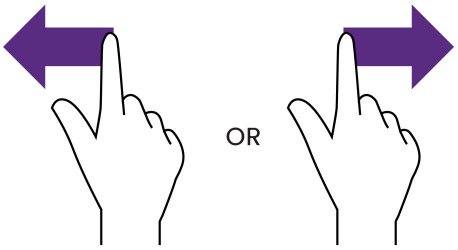
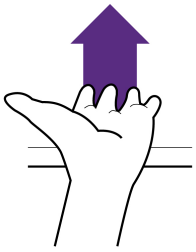
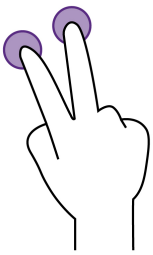
	UI element	Description
	Pop-up messages	Enable/Disable pop-up notifications.
/	Expand/Collapse	Show/Hide the update details.
	Update	Tap this to download and install the update. Warning • The firmware update requires a system restart. Make sure to save all important data before proceeding. • The update process may take a few minutes to complete. Ensure that there are no interruptions. Do not power off the device or disconnect from the internet to prevent permanent damage to the display.
	Delete	Tap this to delete the notification.
	Clear All	Tap this to clear all notifications.

Tip

In case an update is deleted from the list, it can still be installed through the **Settings** menu. For details, see Updating the firmware.

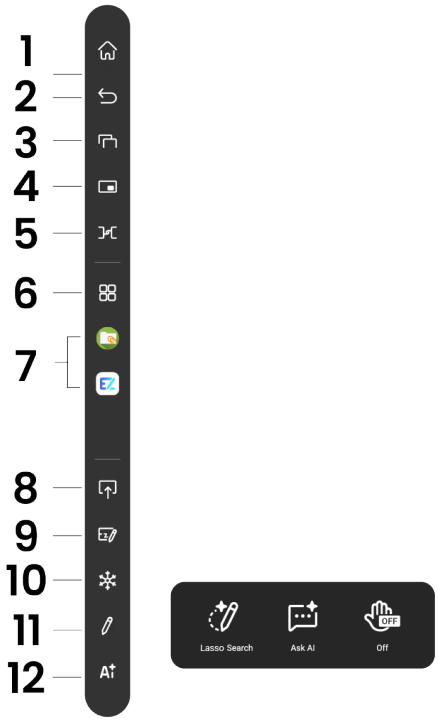
Gestures

Use the following hand gestures to navigate and modify the Home screen or access the Settings menu.

Hand gesture	Description
Tap an app or widget 	Open app or interact with widget
Hold and drag a window 	Move window
Swipe left or right 	Show next or previous Home screen
Swipe up from the bottom edge of the screen 	Open the Settings menu. For details, see Settings.
Tap and hold two fingers 	Open the Floating Tool. For details, see Floating Tool.

Sidebar

Tapping the bars at the left or right sides of the screen opens the sidebar menu.



No,	UI element	Description
1	Home	Go to the Home screen.
2	Back	Go back to previous screen.
3	Recent	Access recently used apps and input sources.
4	Multi-window	Use multi-window mode. For details, see Multi-window mode.
5	Dual screen	Support extended (Extend mode) or mirroring (Duplicate mode) display options.
6	Quick launch	Access the app drawer to quickly launch apps.
7	Recently used apps	List of the three most recently used apps.
8	Connections	Open the Connections menu.
9	EZWrite	Open EZWrite.
10	Freeze	Freeze the screen.
11	Floating Tool	Access different annotation and screen recording tools.
12	AI Features	Access AI features including **Lasso Search** , **Ask AI** and **Camera Gesture** .

Enabling the sidebar

The sidebar is enabled by default. In case it is disabled, perform the following steps:

1. Open the **Settings** menu.
2. Tap **Advanced**.
3. Enable **Sidebar**.

Floating Tool

The Floating Tool gives you access to different annotation and screen recording tools. There are three ways to open the Floating Tool:

1. Sidebar: Tap **Floating Tool** from the sidebar menu.
2. Gesture: Hold two fingers on the screen for three seconds.
3. Always on: Tap on the screen to expand the Floating Tool.

Enabling the Floating Tool gesture

1. Press the **Settings** button. The BenQ Board settings menu appears.
2. Tap **Advanced**.
3. Enable **Floating tool gesture**.

Enabling the always-on Floating Tool

1. Open **EZWrite 6**.
2. On the menu bar, tap ☰ > ⚙.The EZWrite settings menu appears.
3. Enable **Always-on Floating Tool**.

Button		Description
/	Minimize/Expand	Minimize or expand the Floating Tool.
	Close	Close the Floating Tool.
	Pen	Enable the Pen tool, which allows you to write or draw over any content displayed on screen.
	Highlighter	Enable the highlighter tool, which allows you to highlight any content displayed on screen.
	Laser pointer	Enable the laser pointer.
	Eraser	Erase annotations. Use the finger or strikethrough eraser, or clear all on-screen annotations.
	Toolbox	Open the toolbox to access the calculator, timer, stopwatch, scoreboard, random draw, spotlight, unit converter, and spinner.
	AI Features	Access AI features including **Lasso Search** , **Ask AI** and **Camera Gesture** .
	Screenshot	Select to take a regular screenshot, record the screen with audio, or freeze the screen.
	Touch	Hide all the annotations and operate the screen.

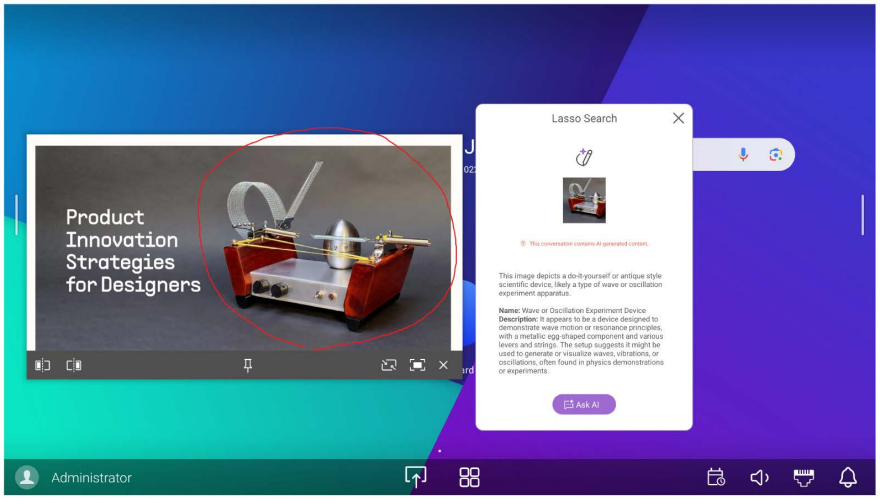
AI features

Access AI features / through the Sidebar or the Floating Tool, which include **Lasso Search** , **Ask AI** and **Camera Gesture** .

Lasso search

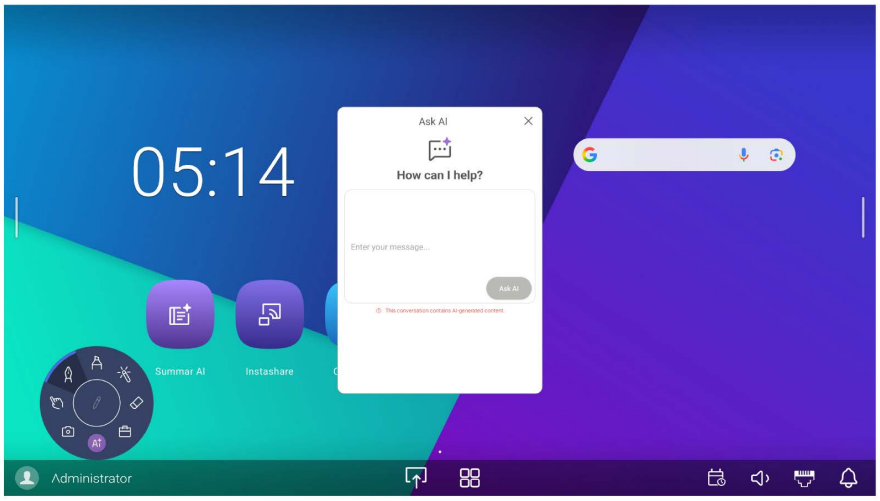
Lasso search provides you with an instant summary or description of the image you capture, whether it's a paused video frame or a still image.
To use the instant analysis feature:

1. Tap the icon to activate **Lasso search**. A "**Circle an area to search**" prompt will appear on the screen.
2. Circle around the specific region of the image.The summary or description will be shown.
3. To continue the discussion about the image, tap Ask AI to continue the conversation in **Ask AI**.



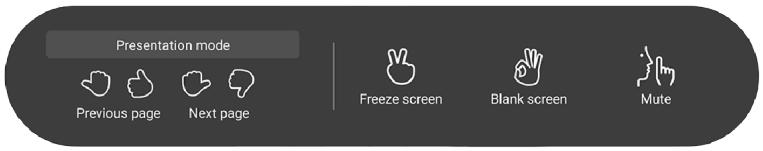
Ask AI

Tap to start a conversation and receive immediate responses to your questions for timely information and assistance.



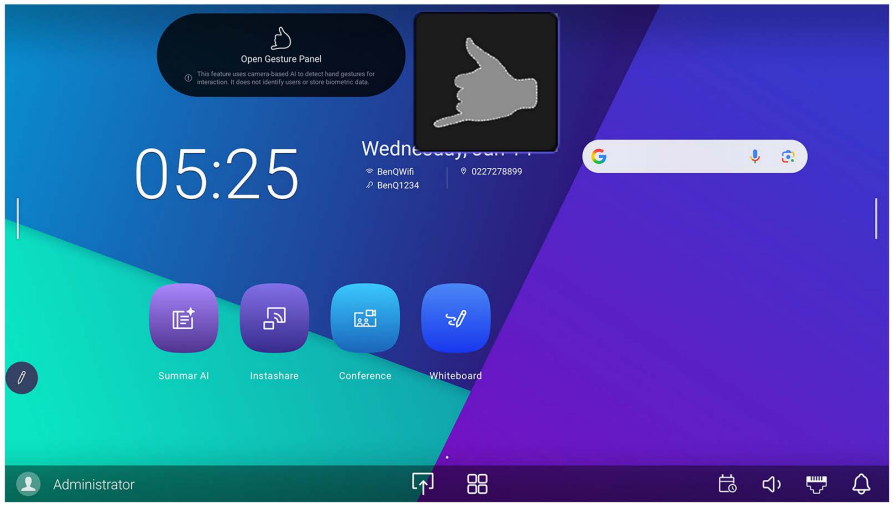
Camera gesture

Use **Camera gesture** to easily operate the screen with hand gestures, such as navigating presentation slides, freezing the screen, displaying a blank screen, and muting audio.

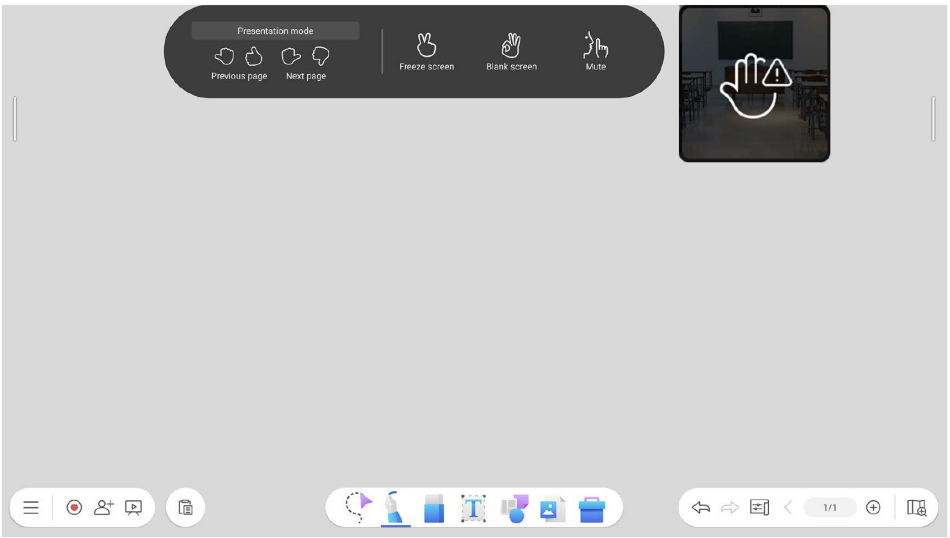


To activate the feature and open the gesture panel:

1. Tap the **Camera Gesture** icon .
2. A pop-up prompt labeled **Open Gesture Panel** will appear in the upper-left corner.



3. Follow the hand pose, as shown in the prompt.
4. The **Gesture Panel** will appear, displaying various hand poses you can use to control functions.

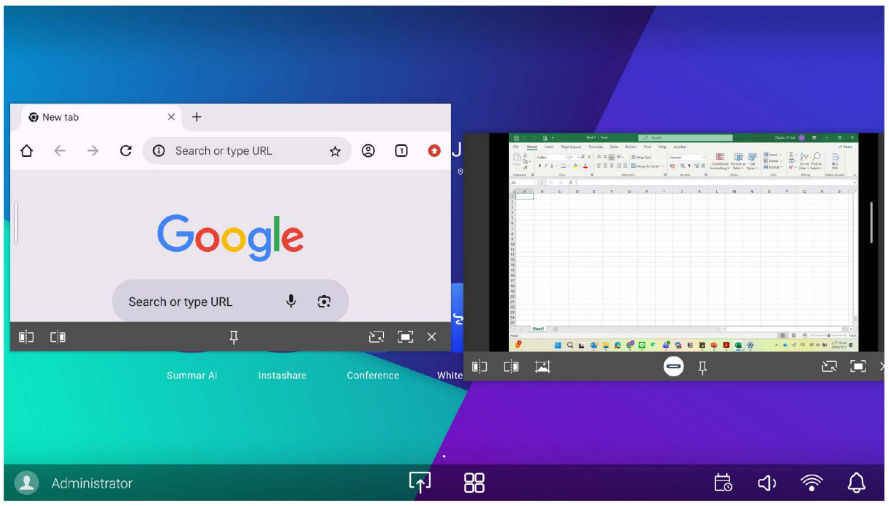


Note

If no gesture is detected, the icon will appear. Try moving closer to the camera or ensuring your hand is clearly visible.

Multi-window mode

Open up to six different apps in separate windows and interact with them on the same screen.



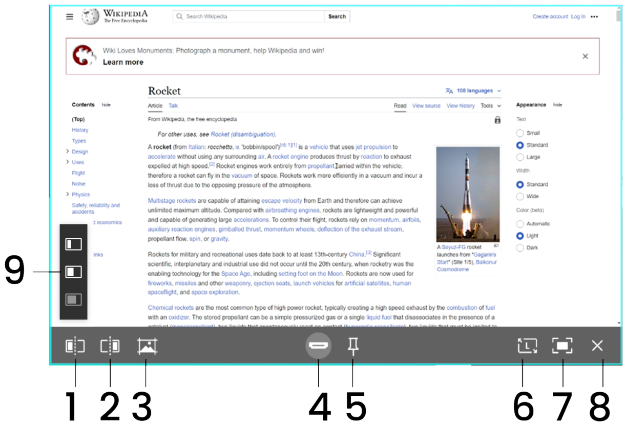
Opening an app or input source in a window

1. Launch the app or switch to a different input source on the display.
2. Tap the sidebar.
3. Tap Multi-window mode.
4. Choose screen division options.

Note: Once an app or input source is open in multi-window mode, any other app the user launches automatically opens in a different window.

Options bar

The multi-window options bar allows users to arrange the windows on screen to match their workflow. Users can tap and drag the options bar to move it on the screen.

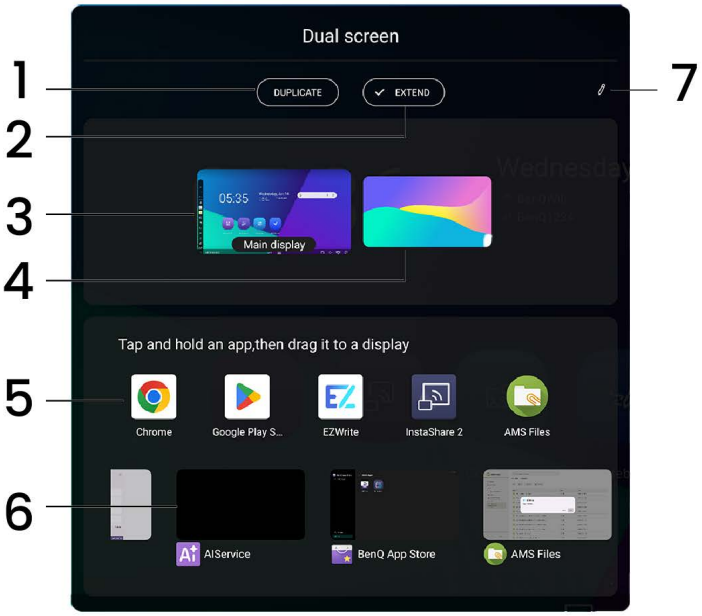


1. Snap to left
2. Snap to right
3. Take snapshot
4. Switch input source
5. Pin over other windows
6. Resize window
7. Full screen
8. Close window
9. Select screen division options: half (1/2), one-third (1/3), or two-thirds (2/3).

Note: Take snapshot and switch input source are only available for the input source window.

Dual screen mode

Enhance your multitasking by using the Dual screen feature to connect a second display.



1. **DUPLICATE**: Select to mirror the content across both screens.
2. **EXTEND**: Select to expand your workspace across both displays. Tap and hold an app, then drag it to the secondary display.
3. Main display
4. Secondary display
5. Available apps
6. Recent apps
7. Arrangement tool

Note:
Available apps are shown only after logging into AMS. For details, see Binding the display to AMS.

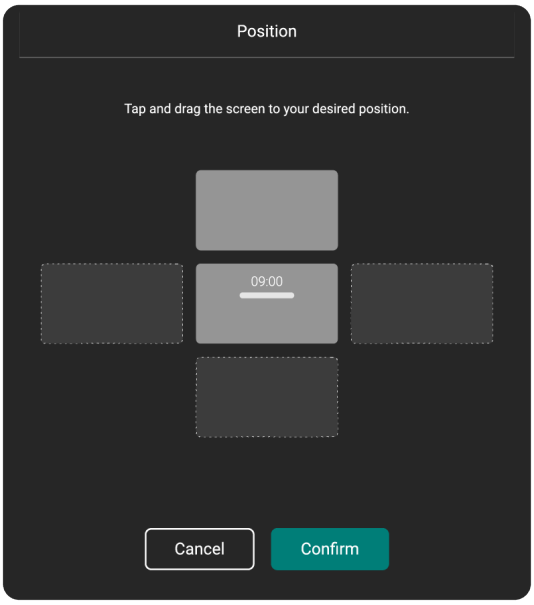
Duplicate or extend the display

1. Connect the second display using a cable from the **Type-C out** port on your main display.
2. Tap to open the **Dual screen** feature from the sidebar.
3. Select **DUPLICATE** or **EXTEND** to decide how the content is displayed.
4. (Extend mode only) Tap and hold an app, then drag it to the secondary display.

Adjusting the position of the extended display

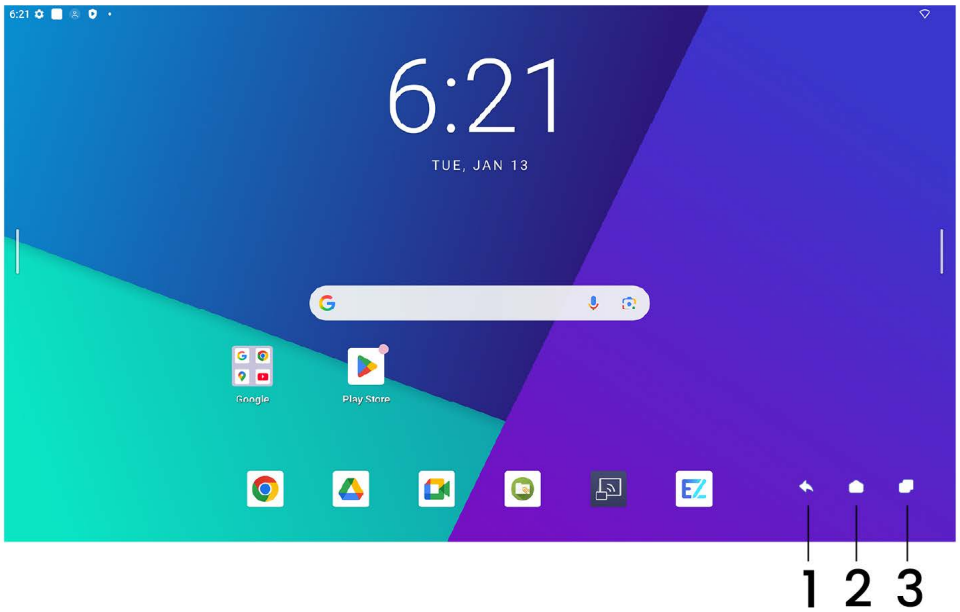
To change where the extended display is located on the interface (e.g., above or to the side of the main screen):

1. Tap to open the arrangement tool.
2. Tap and drag the screen representation to your desired position relative to the main display.
3. Tap **Confirm**.



Google interface

Users who fail to enable BenQ services during the BenQ Launcher setup will get the default Google user interface. They will not have access to the BenQ device and user management platforms as well as the sidebar and custom BenQ Board settings.



1. Back
2. Home
3. Recent apps

To enable BenQ services, users must reset the display to its factory settings and then set up the BenQ Launcher. For details, see the following topics:

- Performing a factory reset
- Setting up BenQ Launcher

Connections

The BenQ Board has several ports that can be used to input and output data and media.

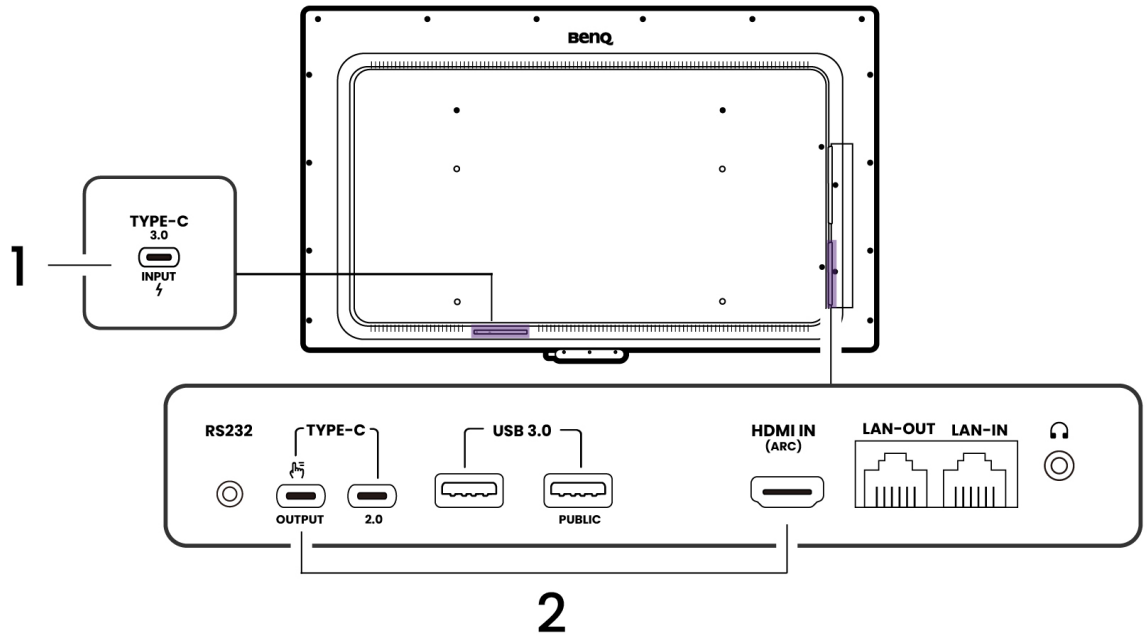
Use	Description	Ports
Touch	These connections allow users to control their laptops from the BenQ Board touchscreen. For details, see Touch.	• USB-C • USB-C out with HDMI
Input	These connections allow users to display their device screen and play audio and video content on the BenQ Board. For details, see Input.	• HDMI • USB-C
Output	These connections allow users to extend the BenQ Board screen to another device. For details, see Output.	• USB-C out • 3.5 mm audio out jack
Device management	This connection allows administrators to configure the BenQ Board settings with their laptop or local management console. For details, see Device Management.	• RS-232

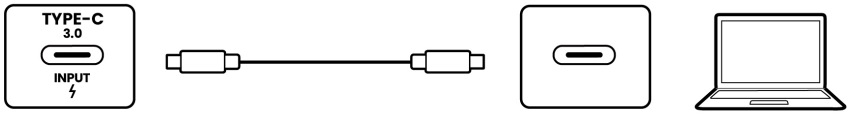
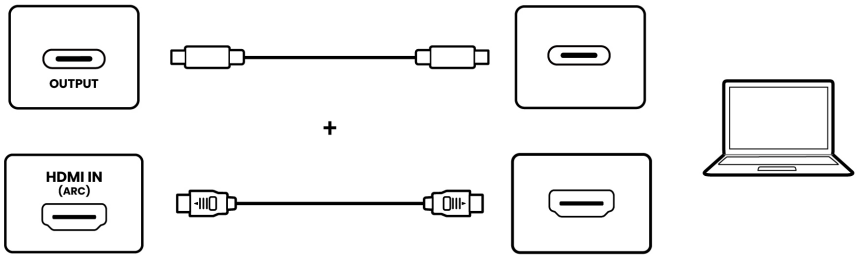
Important

BenQ strongly recommends connecting devices directly to the display for optimal performance. The BenQ Board supports a maximum of up to four USB tiers. The use of additional USB hubs, extenders, and faceplate devices, introduce additional tiers and other external factors such as poor cable quality, radio frequency interference, electrical interference, and such that may affect the touchscreen functionality or cause other issues.

Touch

The touch module of the display supports plug-and-play operation. Users do not need to install additional drivers on their device computer. There are two ways to enable touch connections: using the USB 3.0 Type-C in port and using the USB 2.0 Type-C out port.

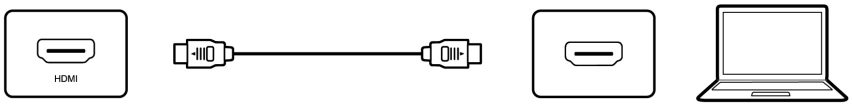


No.	Connection	Configuration
1	USB 3.0 Type-C in port	Connect the input device to the USB 3.0 Type-C in port on the bottom panel. 
2	USB 2.0 Type-C out port	USB 2.0 Type-C out port must be used with the HDMI port on the side panel. 

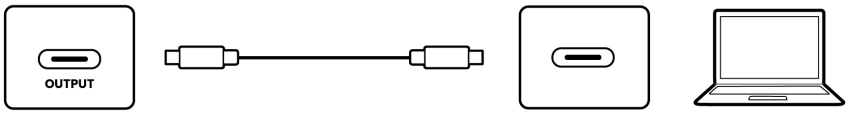
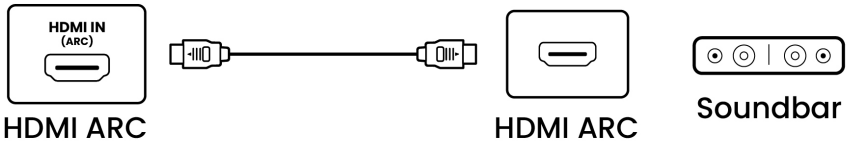
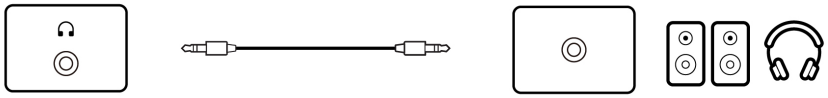
Important

- Avoid blocking the inner sides of the touchscreen frame to ensure a smooth and accurate touch experience.
- If there are issues with the image quality when using a Touch USB connection, use another USB-C to Type-A cable.

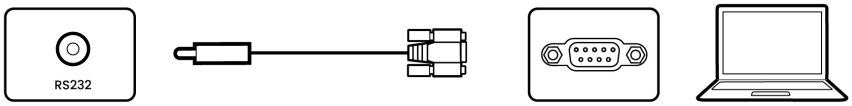
Input

No.	Connection	Configuration
1	HDMI	Connect the input device to any of the **HDMI** ports on the left panel. 

Output

Connection		Configuration
2	USB 2.0 Type-C out	Connect the video, audio, or touch function output device to the USB 2.0 Type-C out port on the left panel. 
2	HDMI	The HDMI port on the left panel can be used to output HDMI ARC audio when the display is connected to a controller and soundbar.  Important: To use the **HDMI** port to output audio, ensure that **HDMI (HDMI ARC)** is selected as the default audio out port. For details, see Display settings.
3	3.5 mm audio out jack	Connect the audio output device to the 3.5 mm audio out jack on the bottom panel. 

Device Management

Connection		Configuration
1	RS232	Connect the management console using the RS-232 port on the left panel. 

USB ports

USB connectors

When connecting devices to the any of the display's USB ports, ensure the following:

- The cable length is recommended to be less than 5 m (16.4 ft) for USB 2.0 slots and 3 m (9.8 ft) for USB 3.0 slots.
- The BenQ Board CP05/CM05 limits the number of USB connections. If all USB slots are occupied and a USB hub is connected to the display, it will not recognize any new USB input devices.

Charging

The USB-C port on the buttom panel of the display supports power delivery 65W.

NFC Sensor

The NFC sensor on the front panel detects the NFC tags from BenQ accessories and mobile devices.

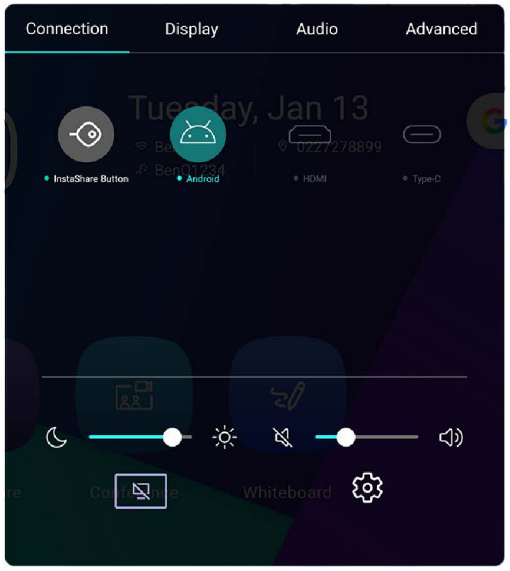
Accessory/Device	NFC Behavior
NFC card	Log in and load the user's account and settings.
Mobile device	Share the device screen using InstaShare 2.

Settings

The Settings menu allows users to configure their BenQ Board settings. There are three ways to open the menu:

- Gesture: Swipe up from the bottom edge of the screen. For details, see Gestures.

Connection settings



Menu item	Description
Input source	Switch to a different input source. For details, see Switching the input source.
Brightness	Adjust the slider to increase or decrease the display brightness.
Volume	Adjust the slider to increase or decrease the display volume.
Blank screen	Turn the screen blank while keeping the sound and all applications running. For details, see the following topics: • Switching to blank screen
Android settings	Open the Android settings menu. For details, see Android settings.

Switching the input source

1. Connect an input source to the display.
   For details, see Connections.
2. Open the **Settings** menu.
3. Select an input source.

Tip

To quickly go to the Home screen, press the button on the pen holder (requires setup in OSD display setting).

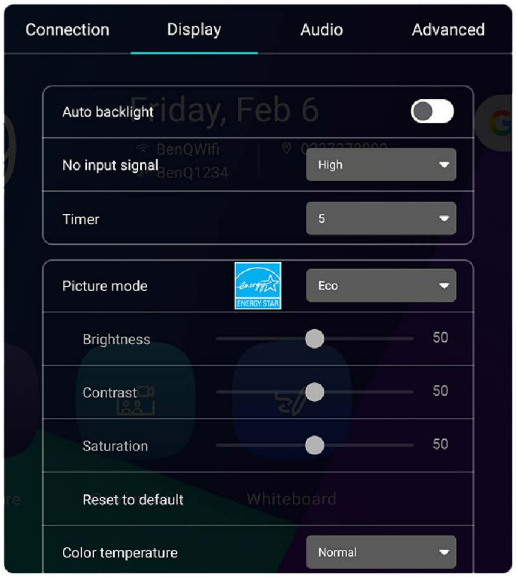
Switching to blank screen

Method	Description
Settings menu	1. Open the **Settings** menu. 2. Tap .

Tip

Tap the screen to exit the blank screen.

Display settings



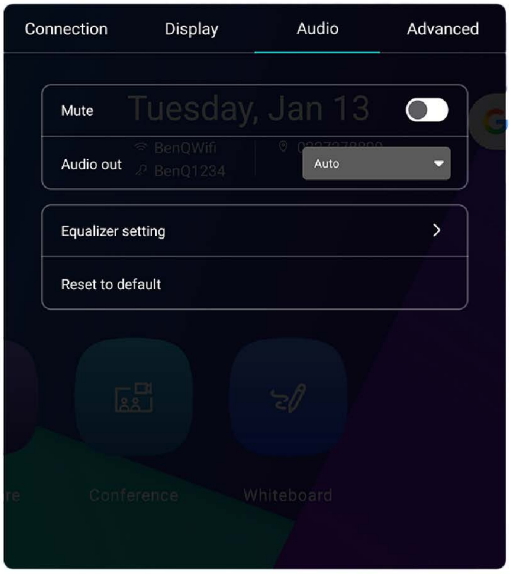
Menu item	Description
Auto backlight	When this setting is enabled, the display automatically adjusts the backlight depending on the brightness of the room.
No input signal	This mode conserves display power when the connected input source is either asleep or disconnected. • **Off**: Always keep the screen on. • **Low**: Enter sleep mode after five minutes. • **High**: Power off the display after five minutes.
Timer	Select a preset power save mode timer. Not available when **No input signal** is off.
Picture mode	Select from the following preset picture modes or set a custom mode to adjust the sliders for brightness, contrast, hue, sharpness, and saturation. • **Eco** • **Pantone** • **M-book** • **High-detail** • **ePaper** • **DICOM** • **Custom1** • **Custom2**
Color temperature	Select from the following preset modes: • **Normal** • **Cool** • **Warm**
Eye care	Select on or off. When this is on, color temperature is automatically designated.
Custom source names	Set a custom source name for each input source. For details, see Setting an input source name.

Menu item		Description
Advanced settings	**Aspect ratio**	Select from the following options: • **16:9** • **Pixel-to-pixel (PTP)**
	EDID	Select an EDID setting to ensure minimal HDMI dropout when there is a mismatch between the maximum resolutions of the display and the input source. • **EDID 1.4**: Use 4K (3840 × 2160) @ 30Hz • **EDID 2.0**: Use 4K (3840 × 2160) @ 60Hz • **EDID 2.0 (YUV420)**: Use 4K (3840 × 2160) @ 60Hz
	HDMI CEC	When this setting is enabled, users are able to control the display and all HDMI-connected devices with a single remote control.
	HDMI ARC	When this setting is enabled, the display sends its audio back to the soundbar or audio and video receiver.
	Pixel shift	When this setting is enabled, the display dynamically shifts the pixels on screen to prevent burn in when displaying static images.
	Dynamic contrast ratio (DCR)	When this setting is enabled, the display dynamically adjusts the backlight based on the lightest and darkest items shown on screen.
	Auto-switch source	When this setting is enabled, the display detects and switches to the new input source when it is connected to the display, and automatically reverts to the default Android screen when the source is disconnected.
	Type-C Output Resolution	Select the desired output resolution for the display: • **720x480** • **1920x1080** • **3840x2160x60Hz** • **Auto**
	Type-C Out	Enable or disable output port.
	Type-C Out Sound	When this setting is enabled, other displays connected to the BenQ Board through Type-C will also receive the audio and video from the connected input source.
	Dual Screen	Enable dual screen when displaying content on two screens simultaneously.
Advanced settings	**Power button**	Assign specific functions to the Power button's short press for quick access: • **Sleep mode** • **Home** • **Screenshot**

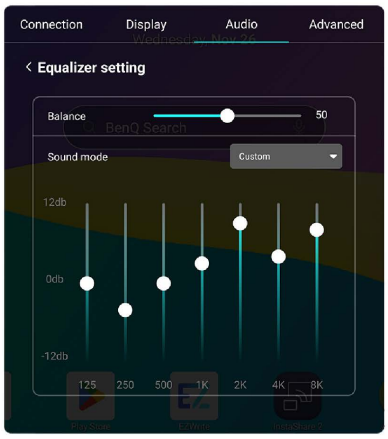
Setting an input source name

1. Tap **Custom source names**.
2. Tap an input source.
3. Enter a new name.
   - Maximum length: 20 characters
   - Supported characters: This field supports all characters. Special characters count as two characters.
4. Tap **Save**.

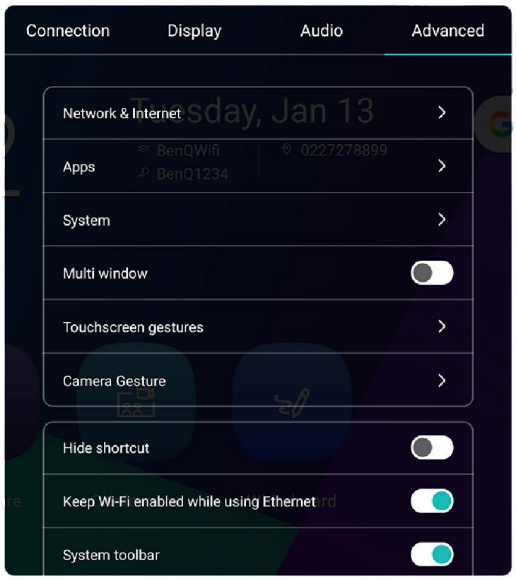
Audio settings



Menu item	Description
Mute	Mute all sounds from the display. Note: Balance and sound mode are unavailable when the display audio is set to mute.
Audio out	Select from the following audio output options: • **Auto** • **Speaker** • **Arc** • **Arc + Speaker**

Menu item	Description
Equalizer setting	Adjust the audio frequencies to enhance your listening experience. • **Balance**: Move the slider to adjust the audio output balance. • **Sound mode**: Select from the following preset sound modes. - **Standard** - **Cinema** - **News** - **Sports** - **Custom** Note: The **Custom** sound mode allows you create and save your own equalizer settings by adjusting the frequency sliders to your preference. 
Reset to default	Reset the display audio to its default settings.

Advanced settings



Menu item	Description	
Network & Internet	Use either Ethernet or Wi-Fi to connect the display to the internet. For details, see the following topics: • Connecting to the internet • Configuring proxy settings • Installing a Wi-Fi certificate	
Apps	Manage the applications installed on the display. For details, see BenQ apps.	
System	Modify system settings such as the display language and time, or reset the display to its default factory settings. For details, see the following topics: • Configuring language settings • Setting the display time • Performing a factory reset	
Multi window	Select to enable or disable the multi-window feature for enhanced multitasking.	
Touchscreen gestures	Customize actions for five-finger swipe gestures.	
	Slide Shrink	• **No Operation** • **Off screen** • **Home** • **Recents** • **Screenshot** • **EZW6** • **Source**
	Slide Spread	
	Slide Right	
	Slide Left	

Menu item	Description
Camera Gesture	Interact with the BenQ Board using hand gestures detected by the integrated camera. • **Camera Gesture**: enable or disable the camera gesture functionality. • **Camera Gesture Tips**: Activate this toggle to display helpful on-screen guidance and tips for performing camera gesture correctly.
Keep Wi-Fi enabled while using Ethernet	This setting is enabled by default and allows users to enable the Ethernet and Wi-Fi connections at the same time. When this setting is disabled, connecting to the internet using one method automatically disables the other.
System toolbar	When this setting is enabled, users can access the sidebar. For details, see Sidebar.
Bottom USB-C Charging only	When this setting is enabled, the display enforces 65-watt charging for the bottom USB-C port. For details, see USB ports.
Floating tool gesture	When this setting is enabled, users can use the Floating Tool gesture to access the Floating Tool. For details, see the following topics: • Floating Tool • Gestures
Power & sleep	The display powers off or enters sleep mode after being inactive for a specified period of time. For details, see Configuring power off and sleep settings.
Boot logo and animation	Customize the image and animation shown when booting up the display. For details, see Configuring the boot logo and animation.
Display locks	Enabling any of the settings listed on this screen locks the input functionality of their respective hardware components. For details, see Configuring the display locks.
InstaShare Button mode	When this setting is enabled, users can use their InstaShare Button with the BenQ Board without using the InstaShare 2 app. The mode appears as one of the input sources in the **Connection** settings menu. For details, see the following topics: • Enabling the InstaShare Button mode • Switching the input source
Launch InstaShare Button mode on startup	When this setting is enabled and the BenQ Board is powered on, the board automatically switches to InstaShare Button mode three minutes after startup.
Display orientation (55 inch models only)	Select the preferred display orientation to optimize your viewing experience. Options include: • **Auto** • **Portrait** • **Landscape**
Active pen guide	View the instructions for using the active pen. You can also enable or disable **Lift pen to activate annotation tool** for a more intuitive user experience while taking notes or drawing.
Show apps in landscape	When this setting is enabled, all apps will be displayed in landscape mode.

Menu item	Description
Accessories	Configure the default microphone and camera settings for the display. For details, see the following topics: • Setting the default camera • Setting the default microphone • Microphone sharing
Startup settings	Configure the startup and shutdown behavior and controls for the display. For details, see Configuring startup and shutdown settings.
Power schedule	Set a recurring schedule to automatically power on and power off the display at specific times during the week. For details, see Setting a power schedule.
Log export	Export the system logs for monitoring and troubleshooting. For details, see Exporting system logs.
System update	Manually update the BenQ Board firmware. For details, see Updating the firmware.
USB cloning	Export the display settings to a USB drive so they can be cloned to other displays of the same model. For details, see the following topics: • Exporting display settings • Importing display settings
Google Play app filters	When this setting is enabled, users are able to access more apps on the Google Play Store.
About	View device details including the device name, model, serial number, and firmware version.

Connecting to the internet

Menu item	Description
Ethernet	1. Ensure that the Ethernet cable is connected to the display. For details, see Connections. 2. Open the **Settings** menu. 3. Tap **Advanced** > **Network & internet**. The Network & internet menu appears. 4. Tap **Ethernet**. 5. Enable the Ethernet connection.
Wi-Fi	1. Open the Settings menu. 2. Tap **Advanced** > **Network & internet**. The Network & internet menu appears. 3. Tap **Internet**. 4. Enable **Wi-Fi**. The list of available networks appears on screen. 5. Select a network. 6. Enter the Wi-Fi password.

Configuring proxy settings

1. Ensure that the display is connected to a local area network.
   For details, see Connecting to the internet.
2. Open the **Settings** menu.
3. Tap **Advanced** > **Network & internet**.
   The **Network & internet** menu appears.
4. Tap **Ethernet**.
5. Configure any of the following settings:
   - DHCP or Static IP
     - **IP address**: Enter a fixed IP address.
     - **Default gateway**: Enter the IP address of the default gateway.
     - **Netmask**: Enter the netmask to subdivide the IP address.
     - **DNS 1**: Enter an IP address for the primary DNS server.
     - **DNS 2**: Enter an IP address for the secondary DNS server.
   - Proxy settings
     - **Proxy**: Select between None, Manual, and Proxy Auto-Config.
     - **Proxy hostname**: Enter a host name for the proxy.
     - **Proxy port**: Specify the port to use.
     - **Bypass proxy for**: Specify one or more addresses.

Installing a Wi-Fi certificate

1. Ensure that the display is connected to a local area network.
   For details, see Connecting to the internet.
2. Open the **Settings** menu.
3. Tap **Advanced** > **Network & internet**.
   The **Network & internet** menu appears.
4. Tap **Internet**.
5. Scroll to the bottom of the screen, and then tap **Network preferences**.
6. Tap **Install certificates**.
   The Android file browser appears.
7. Tap ☰ and then locate the Wi-Fi certificate file.
8. Tap the file, and then enter a name for the certificate.
9. Tap **OK**.

Configuring language settings

1. Open the **Settings** menu.
2. Tap **Advanced** > **System**.
   The System menu appears.
3. Tap **Languages & input**.
4. Perform one or more of the following actions:

Action	Steps
Change the display language	1. Tap Languages. 2. Select a language from the list. Tip: Tap **Add a language** to add a language to the list.
Set the language for each app	1. Tap **App Languages**. 2. Select an app from the list. 3. Select a language from the list.

Setting the display time

1. Open the **Settings** menu.
2. Tap **Advanced** > **System**.
   The System menu appears.
3. Tap **Date & time**.
4. Perform one or ore of the following actions:

Action		Steps
Set the time	Automatic	Enable **Set time automatically**.
	Manual	1. Disable **Set time automatically**. 2. Tap **Date**. 3. Specify the date, and then tap **OK**. 4. Tap **Time**. 5. Specify the time, and then tap **OK**.
Set the time zone	Automatic	1. Enable **Set time zone automatically**. 2. (Optional) Enable **Use location to set time zone**.
	Manual	1. Disable **Set time zone automatically**. 2. Tap **Time zone**. 3. Select a region and a time zone.
Set the time format	Automatic	Enable **Use locale default**.
	Manual	1. Disable **Use locale default**. 2. Enable or disable **Use 24-hour format**.

Performing a factory reset

Warning

Performing a factory reset erases all data from the display and restores all the original device settings. Make sure to back up all important files, settings, and data before proceeding with the following steps.

1. Open the **Settings** menu.
2. Tap **Advanced** > **System**.
   The System menu appears.
3. Tap **Reset options**.
4. Tap **Erase all data (factory reset)**.
5. Tap **Erase all data**.

Configuring the display locks

1. Open the **Settings** menu.
2. Tap **Advanced** > **Display locks**.
3. Enable or disable any of the following locks:

Menu item	Description
Keypad lock	Prevent users from using any of the buttons on the display control panel.
Remote control lock	Prevent users from using the remote control with the display.
Touchscreen lock	Prevent users from using the display touchscreen.

Tip

In case touchscreen lock is enabled, touch and hold the screen with five fingers for 6 seconds to disable.

Enabling the InstaShare Button mode

1. Open the **Settings** menu.
2. Tap **Advanced**.
3. Enable **InstaShare Button mode**.
4. Tap **Restart**.
   The display restarts and adds InstaShare Button as an input source in the **Connection** settings menu.

Setting the default microphone

1. Open the **Settings** menu.
2. Tap **Advanced** > **Accessories**.
3. Under **Microphone**, select one of the following options:

Menu item	Description
Auto	The built-in microphone array is used by default. When a new external microphone is connected to the display, it is automatically set as the default microphone.
Disabled	The microphone functionality is disabled.
Built-in mic array	The built-in microphone array is used even when other external microphones are connected to the display.
Other	All external microphones connected to the display appear in the drop-down list. Select a microphone to use it as the default.

Setting the default camera

1. Open the **Settings** menu.
2. Tap **Advanced** > **Accessories**.
3. Under Webcam, select one of the following options.

Menu item	Description
Disabled	The camera functionality is disabled.
Other	All external cameras connected to the board appear in the drop-down list. Select it to use it as the default camera.

Microphone sharing

Microphone sharing allows the slot-in PC or devices that are connected either through USB-C or Touch USB to use the BenQ Board microphone as an audio input source. Enable or disable this setting in **Settings** > **Advanced** > **Accessories**.

Important

Disable microphone sharing to prevent issues during the following scenarios:
- When using UPDD gestures on macOS devices
- When using an external device to record system audio

Configuring startup and shutdown settings

1. Open the **Settings** menu.
2. Tap **Advanced** > **Startup & shutdown**.
3. Configure any of the following settings:

Menu item	Description
Startup source	Set a default input source that will be automatically loaded when the display is powered on.
Wake-on-LAN	When this setting is enabled, administrators can remotely power on the display through the local area network (LAN).
Source wake up	When this setting is enabled and the display is powered off, it automatically powers on the display when a user connects an external input source.
Standby after startup	When this setting is enabled, the display enters sleep mode after the display is powered on.
Power switch	Select the default power-on behavior of a powered-off display once it is connected to a power source. • **Off**: Keep the display powered off. • **On**: Automatically power on the display. • **Last**: Remember the last power-on status and apply that to the display.
Power off reminder	When this setting is enabled, the power off countdown appears before the display powers off. This only applies to when the display is following a power schedule or power off timer.
Slot-in OPS startup	Select when to power on the slot-in PC. • **Source selected**: Power on when selected as an input source. • **Board startup**: Power on when the display is powered on.

Configuring power off and sleep settings

1. Open the **Settings** menu.
2. Tap **Advanced** > **Power off & sleep**.The display will enter sleep mode or power off when there is no touchscreen activity detected within the specified time period.
3. Set the power off timer.
4. Set the sleep timer.

Setting a power schedule

1. Open the **Settings** menu.
2. Tap **Advanced** > **Power schedule**.
3. Select a weekday.
4. Set the startup and shutdown times.
5. Select a startup source.
6. Tap **OK**.
   The schedule is added to the list and is enabled by default.

Important
Make sure to check for conflicts when setting a schedule. If there are two or more overlapping power schedules, the display will apply all of them.

Configuring the boot logo and animation

1. Open the **Settings** menu.
2. Tap **Advanced** > **Boot logo and animation**.
3. Perform one or more of the following tasks.

Action	Steps
Disable boot logo	Toggle to enable or disable boot logo.
Change boot animation	1. Connect a USB drive containing the boot animation file to the display. **Note** The boot animation file must follow this format: • Maximum resolution: 1920 × 1080 • File name: bootanimation.zip 2. Tap **Change boot animation**.
Restore boot animation	1. Tap **Restore boot animation**. A confirmation message appears. 2. Tap **OK**.

Exporting system logs

1. Connect a USB drive to the display.
2. Open the **Settings** menu.
3. Tap **Advanced** > **Log export**.
4. Enter a file name.
5. Tap **OK**.
   The system logs are exported as "xbug_log/[file name].zip" in the USB drive.

Updating the firmware

Warning

- The firmware update requires a system restart. Make sure to save all important data before proceeding.
- The update process may take a few minutes to complete. Ensure that there are no interruptions. Do not power off the device or disconnect from the internet to prevent permanent damage to the display.

1. Open the **Settings** menu.
2. Tap **Advanced** > **System update**.
3. Tap **Update system**.
   The system downloads and updates the firmware and then restarts automatically.

Exporting display settings

1. Connect a USB drive to the display.
1. Open the **Settings** menu.
2. Tap **Advanced** > **USB cloning** > **Export settings**.
   A confirmation message appears.
3. Tap **OK**.
   The settings are exported as "benq/Settings.json" to the USB drive.

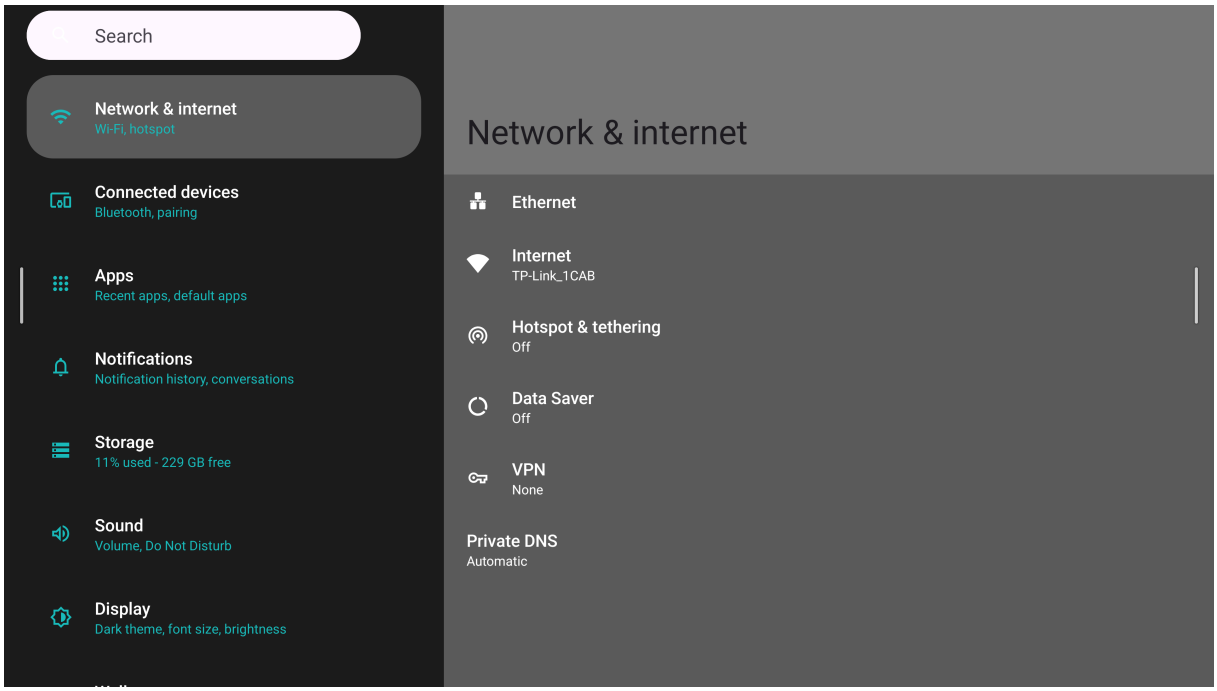
Importing display settings

1. Connect the USB drive containing the settings file to the display.
1. Open the **Settings** menu.
2. Tap **Advanced** > **USB cloning** > **Import settings**.
   The file selection window appears.
3. Select the settings file, and then tap **OK**.
   The display imports the settings.
4. Restart the display.

Android settings

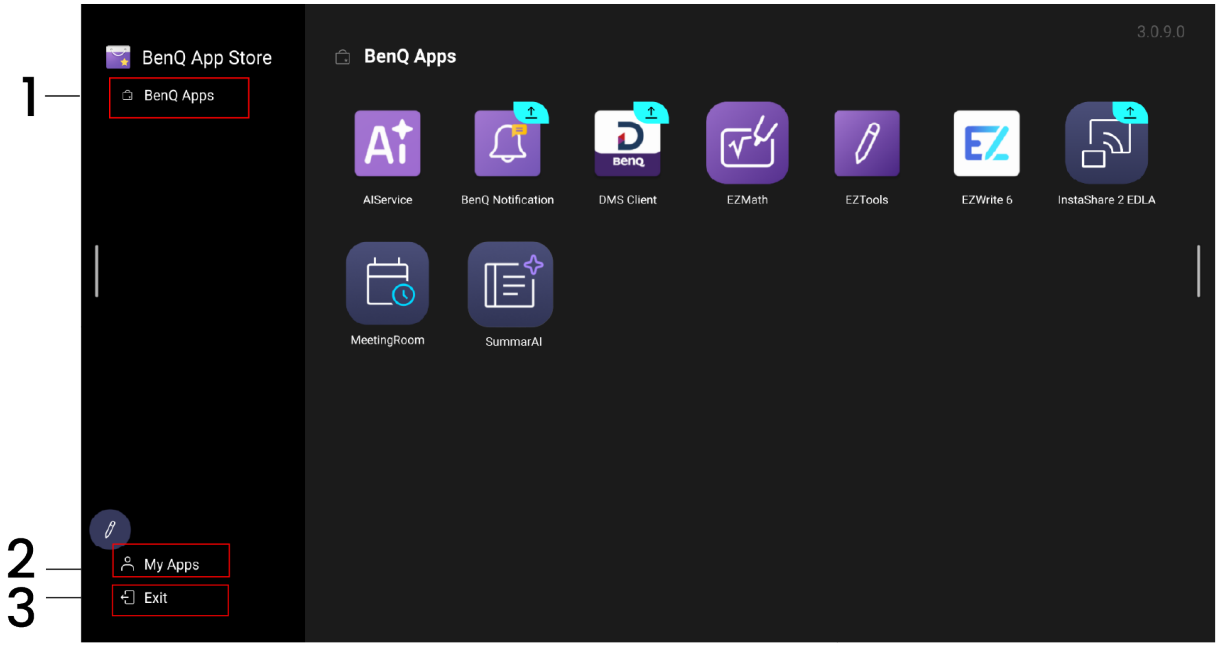
The Android settings menu combines all the miscellaneous device settings including factory reset, network and internet, Bluetooth connections, and app permissions.

To access these settings from the Home screen, tap on the taskbar, and then tap **Settings** .



BenQ App Store

The BenQ App Store contains all the BenQ-developed apps as well as third-party partner apps designed for the BenQ Board.



1. App lists: View and browse apps categorized by **Education**, **Corporate**, and **BenQ Apps**.
2. **My Apps**: Manage your installed apps by updating, uninstalling, or enabling auto-updates.
3. **Exit**

BenQ apps

	AMS Files Users can log in to AMS and access their personalized workspace and linked cloud storage accounts on any BenQ Board.
	DMS Client DMS Client links with DMS Cloud so the BenQ Board can be managed from a single console.
	EZWrite 6 EZWrite 6 is a powerful interactive whiteboard that turns the BenQ Board into a limitless canvas for teaching and collaboration.
	EZTools The EZTools library activates all of EZWrite's essential functionalities.
	InstaShare 2 Users can wirelessly share content and control other device screens using the InstaShare 2 host app on the BenQ Board.
	InstaShare Button Activate the InstaShare Button mode to enjoy stable wireless screen sharing with just a click of a button.

	BenQ Notifications Receive real-time announcements related to the BenQ Board and other installed applications.
	X-Sign Broadcast Send scheduled announcements and real-time alerts through the BenQ Board.
	MeetingRoom An intuitive room booking solution that works seamlessly with BenQ smart displays.
	SummarAI AI meeting transcription and smart summaries for classrooms and conference rooms.

Installing an app

1. Ensure that the board is connected to the internet.
2. Log in as a local or AMS administrator.
3. Tap on the taskbar.
4. Tap **BenQ App Store**.
5. On the left menu, tap any of the app libraries.
   The available apps are listed.
6. Tap the app to download.
7. Tap **Download**.
   The system automatically downloads and installs the app.
8. Restart the board.

Updating an app

1. Ensure that the board is connected to the internet.
2. Log in as a local or AMS administrator.
3. Tap on the taskbar.
4. Tap **BenQ App Store**.
5. On the left menu, tap any of the app libraries.
6. The available apps are listed.
7. Tap the app to update.
8. Tap **Update**.
9. The system automatically downloads and installs the update.
10. Restart the board.

Updating all apps

1. Ensure that the board is connected to the internet.
2. Log in as a local or AMS administrator.
3. Tap on the taskbar.
4. Tap **BenQ App Store**.
5. On the left menu, tap **My Apps**.
6. Tap **Update All**.
7. The system automatically downloads and installs all available updates.
8. Restart the board.

Auto-update apps

1. Ensure that the board is connected to the internet.
2. Log in as a local or AMS administrator.
3. Tap on the taskbar.
4. Tap **BenQ App Store**.
5. On the left menu, tap **My Apps**.
6. Enable **Auto-update apps** on the upper right corner.
7. The system automatically downloads and installs the update.

Rolling back an app to an older version

Note

Only BenQ-developed apps and core Google apps can be rolled back to an older version.

1. Log in as a local administrator.
2. Tap on the taskbar.
3. Tap **Settings** .
4. Tap **Apps**.
5. Tap the app from the list.
6. Tap > **Uninstall updates**.

Uninstalling apps

Note

Only third-party apps can be uninstalled from the BenQ Board.

1. Log in as a local or AMS administrator.
2. Tap on the taskbar.
3. Tap BenQ App Store.
4. On the left menu, tap **My Apps**.
5. Tap **Uninstall**.
6. Select the apps to uninstall.
7. Tap **Confirm**.
8. Tap **Uninstall**.

Eye-Care solutions

The BenQ Board Pro CP05 and BenQ Board Master CM05 are Eyecomfort certified.

Flicker-free and low blue light

The BenQ Board Pro CP05 and BenQ Board Master CM05 feature a TÜV-certified flicker-free and software low blue light screen that is designed to prevent eye strain caused by extended use. The display maintains a stable backlight with a DC dimmer that eliminates the primary cause of flickering. Software-based Low Blue Light reduces eye strain by adjusting the screen's color temperature to a warmer tone, effectively lowering the intensity of blue light emitted during use. The default display settings meet the TÜV standards.

Germ-resistant solutions

The BenQ Board Pro CP05 and BenQ Board Master CM05 touchscreen, front control panel and pens are all treated with nano-ionic silver, an antimicrobial agent that prevents the spread of germs. The screen ensures 99.9% protection against common germs, as certified by TÜV.

Appendix

Supported input resolutions

Resolution	Input Source	
	USB-C	HDMI 2.0
640 × 480 @ 60Hz	V	V
800 × 600 @ 56Hz	V	V
800 × 600 @ 60Hz	V	V
1024 × 768 @ 60Hz	V	V
1280 × 800 @ 60Hz	V	V
1280 × 1024 @ 60Hz	V	V
1360 × 768 @ 60Hz	V	V
1680 × 1050 @ 60Hz	V	V
1920 × 1080 @ 60Hz	V	V
3840 × 2160 @ 24Hz	V	V
3840 × 2160 @ 25Hz	V	V
3840 × 2160 @ 30Hz	V	V
3840 × 2160 @ 50Hz	V	V
3840 × 2160 @ 60Hz	V	V
480p (60Hz)	V	V
576p (50Hz)	V	V
720p (50Hz)	V	V
720p (60Hz)	V	V
1080p (23Hz)	V	V
1080p (24Hz)	V	V
1080p (25Hz)	V	V
1080p (29Hz)	V	V
1080p (30Hz)	V	V
1080p (50Hz)	V	V
1080p (60Hz)	V	V

Supported media formats

Video

File Extension	Codec Details		
	Video	Audio	Maximum Resolution
.3gp/.3GP2	MPEG-4	MPEG-2 Layer 2/3, AAC-LC, PCM	1080p @ 60 fps, 60 Mbps
	H.263		1080p @ 60 fps, 60 Mbps
.avi	MPEG-4	MPEG-2 Layer 2/3, AAC-LC, PCM	1080p @ 60 fps, 60 Mbps
	H.263		1080p @ 60 fps, 60 Mbps
	H.264		4K @ 90 fps, 160 Mbps
.flv/.f4v	MPEG-4	MPEG-2 Layer 2/3, AAC-LC, PCM	1080p @ 60 fps, 60 Mbps
	H.263		1080p @ 60 fps, 60 Mbps
	H.264		4K @ 90 fps, 160 Mbps
.mkv	MPEG-4	MPEG-2 Layer 2/3, AAC-LC, PCM	1080p @ 60 fps, 60 Mbps
	H.264		4K @ 90 fps, 160 Mbps
	VP8		1080p @ 60 fps, 40 Mbps
	VP9		4K @ 90 fps, 120 Mbps
	H.265		4K @ 90 fps, 160 Mbps
.mov	MPEG-4	MPEG-2 Layer 2/3, AAC-LC, PCM	1080p @ 60 fps, 60 Mbps
	H.263		1080p @ 60 fps, 60 Mbps
	H.264		4K @ 90 fps, 160 Mbps
.mp4	H.265	MPEG-2 Layer 2/3, AAC-LC, PCM	4K @ 90 fps, 160 Mbps
	MPEG-4		1080p @ 60 fps, 60 Mbps
	H.263		1080p @ 60 fps, 60 Mbps
	H.264		4K @ 90 fps, 160 Mbps
.mpg/.mpeg	MPEG-4	MPEG-2 Layer 2/3, AAC-LC, PCM	1080p @ 60 fps, 60 Mbps
	H.264		4K @ 90 fps, 160 Mbps
.webm	VP9	MPEG-2 Layer 2/3, AAC-LC, PCM	4K @ 90 fps, 160 Mbps
	VP8		1080p @ 60 fps, 60 Mbps
.ts	H.265	MPEG-2 Layer 2/3, AAC-LC, PCM	4K @ 90 fps, 160 Mbps
	MPEG-4		1080p @ 60 fps, 60 Mbps
	H.264		4K @ 90 fps, 160 Mbps

Audio

File	Format	Audio Codec	Supported Range
.aac	AAC	AAC	Sample rate: 7.35kHz ~ 48kHz Bit rate: Up to 960 kbps
.flac	FLAC	FLAC	Sample rate: 8kHz ~ 48kHz Bit rate: Maximum value will approach PCM
.mp3	MPEG Audio Layer 3	MPEG-2 Layer 2/3	Sample rate: 8kHz ~ 48kHz Bit rate: Up to 320 Kbps
.ogg	Vorbis	Vorbis	Sample rate: No limitation Bit rate: VBR
.opus	OPUS	OPUS	Sample rate: 8kHz ~ 48kHz Bit rate: Up to 510 kbps
.wav	WAV	PCM	Sample rate: 8kHz ~ 96KHz Bit rate: Up to 10 Mbps

Photo

File	Format
.bmp	BMP
.gif	GIF
.jpeg/jpg	JPEG
.png	PNG

Troubleshooting

Connection	Configuration
The board is not displaying images.	• Ensure that the board is powered on. For details, see Powering on the display. • If displaying content from a wired input source, ensure the following: - The input device is powered on and is securely connected to the board. - The input resolution is correct. For details, see Supported input resolutions.
The board is not playing audio.	• Ensure that the board is not on mute and that the volume is set to an adequate level. • If playing audio from an input source, ensure that the input device is powered on and securely connected to the board.
The input image is not displaying normally.	• Ensure that the input resolution is correct. For details, see Supported input resolutions. • If using an HDMI connection, optimize the image by performing the following steps: 1. Open the **Settings** menu. 2. Tap **Display** > **Advanced settings**. 3. Under **EDID**, select EDID 1.4. For details, see Display settings.
The control panel buttons are not working.	Ensure that the keypad lock is disabled. For details, see Configuring the display locks.
The display has unexpectedly shut down.	• Confirm if there was a power outage. • Confirm if the display is following a power or sleep schedule. For details, see the following topics: - Configuring startup and shutdown settings - Configuring power off and sleep settings - Setting a power schedule
The colors on the display are incorrect.	• If displaying content from a wired input source, ensure that the device is securely connected to the board. • Adjust the picture mode and color temperature. For details, see Display settings.
The touchscreen is not responding.	Ensure the following: • The touchscreen lock is disabled. For details, see Configuring the display locks. • The pen or finger is touching the screen at an appropriate angle. • The appropriate touch driver is installed and enabled on the connected device.
The touch positioning is incorrect.	Ensure the following: • The pen or finger is touching the screen at an appropriate angle. • The appropriate touch driver is installed and enabled on the connected device.

Connection	Configuration
There is image dithering or random lines are appearing on the display.	• If displaying content from a wired input source, ensure that the input device is securely connected to the board. For details, see Connection. • Ensure that there are no other electronic equipment or power tools are placed around the display that may affect the input signal.
The image shown on the display has no color or the color is weak.	• Adjust the brightness and contrast of the display. For details, see Display settings. • If displaying content from a wired input source, ensure that the input device is securely connected to the board. For details, see Connections.
The display is showing images but no sound.	• Ensure that the board is not on mute and that the volume is set to an adequate level. • If displaying content from a wired input source, ensure that the input device is securely connected to the board. For details, see Connections.
The sound coming from the soundbar is not playing evenly.	• Adjust the sound balance. For details, see Audio settings. • Ensure the following: - The input device is securely connected to the board. - The input device is using one sound channel.
Touchscreen anomalies or unintended touch actions occur.	When environmental humidity is low, static electricity can build up on the screen surface or the human body. This may cause touch anomalies, jumping cursors, random lines, or unintended touch actions (ghost touches). Please follow the steps below to discharge static electricity: • **Step 1: Prepare a Slightly Damp Cloth (or Wet Wipe)** 1. Prepare a clean cloth (a microfiber lint-free cloth is recommended) and dampen it with water. 2. Wring it out thoroughly (until it stops dripping). Make sure the cloth or wet wipe is completely free of dripping water. Caution: Water seeping into the screen bezel may cause hardware damage. • **Step 2: Wipe the Screen and Allow Static to Dissipate** Gently wipe the entire screen surface with the damp cloth to conduct away static electricity. Ensure the screen is completely dry before operating the device again. • **Causes of Static Electricity Buildup** - Dry climate or winter conditions - Improper power outlet grounding (high impedance) - Unboxing friction or humidity differences - Wiping the glass surface with a dry cloth

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Product Support

This document aims to provide the most updated and accurate information to customers, and thus all contents may be modified from time to time without prior notice. Please visit the website for the latest version of this document and other product information. Available files vary by model.

Notice for EU customers

The dismantling information is also available on the product's downloads page. The document is provided to give customers clear repairing and recycling instructions in compliance with Commission Regulation (EU) 2019/2021. If you cannot find this information on the website, contact your local customer service representative.
For products that are within the warranty period, contact your local customer service representative.
For out-of-warranty products, BenQ recommends going to a qualified service personnel and obtaining repair parts from BenQ to ensure compatibility.

Important

Do not attempt to disassemble the product yourself unless you are fully aware of the consequences. If you cannot find the dismantling information on your product, contact your local customer service representative for assistance.

Safety warnings and precautions

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

THIS EQUIPMENT MUST BE GROUNDED
To ensure safe operation, the three-pin plug must be inserted only into a standard three-pin power outlet which is effectively grounded through normal household wiring. Extension cords used with the equipment must have three cores and be correctly wired to provide connection to the ground. Wrongly wired extension cords are a major cause of fatalities.
The fact that the equipment operates satisfactorily does not imply that the power outlet is grounded or that the installation is completely safe. For your safety, if you are in any doubt about the effective grounding of the power outlet, please consult a qualified electrician.

The mains plug of the power supply cord shall remain readily operable. The AC receptacle (mains socket outlet) shall be installed near the equipment and shall be easily accessible. To completely disconnect this equipment from the AC mains, disconnect the power cord plug from the AC receptacle.

- Do not place this display on an uneven, sloping or unstable surface (such as a trolley) where it may fall and cause damage to itself or others.
- Do not place this display near water, like a spa or pool, or in a position which will allow the splashing or spraying of water onto the display, like in front of an open window where rain water may enter.
- Do not install this display in a confined space without proper ventilation and air circulation, such as in a closed cabinet. Allow proper space around the display for dissipating heat inside. Do not block any openings and vents on the display. Overheating may result in hazards and electric shock.
- Installation of this display should only be performed by a qualified technician. Failure to install this display properly may cause injuries and damages to the personnels and the display itself. Check the installation regularly and maintain the display periodically to ensure the best working condition.
- Use only the accessories approved or recommended by the manufacturer to mount this display. Using wrong or unsuitable accessories may cause the display to fall and result in serious personal injuries. Make sure that the surface and fixing points are strong enough to sustain the weight of the display.
- To reduce the risk of electric shock, do not remove covers. No user serviceable parts inside. Refer servicing to qualified service personnel.
- To prevent personal injuries, mounting the display or installing desktop stands is required before use.

Important safety instructions

1. Do not use the display near water.
2. Do not block any ventilation openings.
3. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
4. Do not alter the polarized or grounding-type plug. A polarized plug has two blades, one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician to replace your obsolete outlet.

5. Protect the power cord from being snagged, stepped on, or pinched, particularly near the plug and the point where they are connected to the display.
6. Only use attachments and accessories specified by the manufacturer.
7. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the display. Use caution when moving the cart and display to prevent accidents and injuries.

8. Unplug the display during lightning storms or when unused for long periods of time.
9. Refer all servicing to qualified service personnel. Servicing is required when the display has been damaged in any way. These instances may include when:
   - The display is dropped or an object is dropped onto the display.
   - The display is exposed to liquid, rain, or excess moisture.
   - Its power supply cord or plug get damaged.
   - The display fails to operate normally..

Notes on this display

- To prevent the risk of physical injuries, do not attempt to lift the display alone.
- Make sure you have four or more people available to help lift the display or a flat cart to transport the display to its final location.
- Keep the display horizontal as much as possible.
- Clear a floor space before unpacking.

Notes on the LCD panel

- The Liquid Crystal Display (LCD) panel of this display has a very thin protective layer of glass which is liable to marking, scratching, or cracking if struck or exposed to pressure. The liquid crystal substrate is also liable to damage under excessive force or extreme temperatures. Please handle with care.
- The response time and brightness of the LCD panel may vary with the ambient temperature.
- Avoid placing the display in direct sunlight or where direct sunlight or spot lighting will shine onto the LCD panel, as the heat may damage the panel and the external casing of the display, and the bright light will make viewing the display more difficult than necessary.
- The LCD panel consists of individual pixels to display images and is manufactured according to the design specifications. While 99.9% of these pixels work normally, 0.01% of the pixels may remain constantly lit (in red, blue, or green) or unlit. This is a technical limitation of the LCD technology and is not a defect.
- LCD screens, like plasma display panels (PDPs) and conventional cathode ray tube (CRT) screens, are also susceptible to screen burn-in or image retention, which can be found on the screen as visible fixed lines and shades. To avoid such damage to the screen, avoid displaying still images (like on-screen display menus, TV station logos, fixed/inactive text or icons) for more than 30 minutes. Change the aspect ratio from time to time. Fill the entire screen with the image and eliminate the black bars whenever possible. Avoid displaying images in 16:9 aspect ratio over a long period of time, otherwise there may be visible burn marks on the screen as two vertical lines.
- Under certain circumstances, condensation may occur on the inner side of the cover glass, it’s a natural phenomenon and will not affect the operation of the display. This condensation will usually disappear after around two hours of normal operation.

Notes on cleaning the display

Clean the frame when there is sign of malfunction on the touchscreen.

Cleaning the display screen

1. Before cleaning the screen, make sure the display is powered off and the power cord is unplugged.
2. Remove dust or dirt from the screen with a dry lint-free cloth. Make sure to use minimal

force.

Important

Do not use paper towels or any material that may leave streaks or lint on the screen.

3. Moisten a clean, soft, lint-free cloth with 70% isopropyl alcohol.

Warning

- Do not use hazardous chemical or ammonia-based cleaners as this may damage the surface of the screen.
- Do not spray alcohol directly on the screen.
- Do not fully soak the cloth in liquid. If possible, spray the alcohol onto the cloth to distribute the moisture.

4. Gently wipe down the entire surface of the screen.

Safety notice for remote control

- Do not put the remote control in the direct heat and humidity.
- Do not drop the remote control.
- Do not expose the remote control to water or moisture.
- When using the remote control, ensure that are no objects between the remote control and the remote sensor.
- If the remote control will not be used for an extended period, remove the batteries.

Battery safety notice

Using the incorrect type of batteries may cause chemical leaks or explosion. Please note the following:

- Ensure that the batteries are inserted with the positive and negative terminals in the correct direction as shown in the battery compartment.
- Different types of batteries have different characteristics. Do not mix different types of batteries.
- Do not mix old and new batteries. Mixing old and new batteries will shorten battery life or cause chemical leaks from the old batteries.
- When batteries fail to function, replace them immediately.
- Chemicals which leak from batteries may cause skin irritation. If any chemical matter seeps out of the batteries, wipe it up immediately using a dry cloth, and then replace the batteries as soon as possible.
- Due to varying storage conditions, the battery life for the batteries included with the product may be shortened. Replace them within three months or as soon as they fail to function.
- There may be local restrictions on the disposal or recycling of batteries. Follow local regulations or consult a waste disposal provider.