tiis ✸ BOARD ™
Your Partner Empower Every Interaction

TIIS BOARD
IFP USER MANUAL

QLED PRO Series
ULTRA Series

PRO ✦ **QLEDT**
Quantum Dot Touch   Interactive Flat Panel

Thai Created.
Thai Used.
Thai Sustainable.

ULTRA
Interactive Flat Panel

Thai Created.
Thai Used.
Thai Sustainable.

tiis ✸ BOARD

• Please read this manual before connecting or using the product.
• Keep this manual for future reference.
• The images and contents in this manual are subject to change without prior notice.

tiis ✸ BOARD ™

Table of Contents

Precautions

Improper installation of the interactive flat panel may be hazardous. For the safety of children in particular, be sure to follow the instructions below.

• When installing the interactive flat panel, always use mounting brackets recommended by the manufacturer.

• Verify that the bracket specifications are sufficient to securely support the weight of the interactive flat panel.

• Ensure that the interactive flat panel does not extend beyond the edges of the mounting bracket during installation.

• Do not place the interactive flat panel on top of cabinets or elevated surfaces, as it may slip and cause damage.

• Never insert any objects between the interactive flat panel and the mounting bracket.

• Do not install the interactive flat panel at a high position unless it is securely fixed.

• Make children aware of the risk of injury if the interactive flat panel tips over or is struck.

• If the installation environment is subject to low or high temperature conditions, do not power on the product immediately.

• If there is a sudden change in the installation environment, we recommend waiting at least 24 hours before turning on the power.

• Using the product immediately after an environmental change may cause internal condensation, which can lead to fire, electric shock, or other hazards.

• To prevent fire, always keep the interactive flat panel away from open flames or heat-generating devices.

Important Safety Instructions

Improper handling of electricity may result in personal injury or property damage. This interactive flat panel has been designed and manufactured with safety as a top priority; however, improper use may cause electric shock or fire.
To prevent potential hazards, please follow the instructions below when installing, operating, or cleaning the product.

For your safety and to ensure the longevity of the interactive flat panel, be sure to observe the following precautions.

1. Before use, we recommend reading this manual thoroughly.

2. Keep this manual in a safe place for future reference.

3. Carefully observe all warnings and instructions provided on the product and in this manual.

4. Operate the product only according to the instructions described in this manual.

5. Use only attachments and accessories specified by the manufacturer. The use of improper accessories may result in accidents.

6. This product must be connected only to the power supply type specified on the label. If you are unsure about the type of power supply available, consult the manufacturer or your local power utility provider.

7. During lightning storms or when the product will not be used for an extended period, unplug the power plug and disconnect the cable from the outlet to provide additional protection.

8. Ensure that cables are not pinched, twisted, or damaged. Pay particular attention to cables at plugs, power outlets, and the interactive flat panel connection points.

9. When the main power plug or power cord serves as the disconnect device, it must remain readily operable at all times.

10. Do not overload wall outlets, power strips, or extension cords, as this may result in fire or electric shock.

11. Never insert objects, water, or other liquids into the product through ventilation openings or slots. High voltage inside the product may cause electric shock or short circuits.

12. If any damage occurs, including power cord damage, liquid ingress, exposure to moisture, dropping of the product, or abnormal operation, refer all servicing to qualified service personnel.

Important Safety Instructions

13. In the following situations, unplug the power cord and immediately contact qualified service personnel.

    · The power cord or plug is damaged

    · Liquid or foreign objects have entered the product

    · The product has been exposed to rain or water

    · The product does not operate normally

    · Controls not described in this manual have been adjusted improperly

    · The product has been dropped, the cabinet has been damaged, or abnormal operation occurs

14. If replacement of any parts is required, be sure to contact the manufacturer.

15. If self-repair is attempted, use only parts specified by the manufacturer. Unauthorized parts may cause fire or electric shock, and the manufacturer is not responsible for any issues arising from unauthorized repairs.

16. After any self-repair attempt, the product must be inspected by qualified service personnel before use.

17. When installing the interactive flat panel on a wall or ceiling, follow the installation methods recommended by the manufacturer.

18. Use only CE-, UL-, or GS-certified mounting brackets recommended by the manufacturer.
The use of non-recommended brackets may result in serious injury or product damage.

19. When moving the product, avoid sudden stops, excessive force, or uneven floor surfaces, as these may cause the interactive flat panel to tip over or fall.

20. Before moving the product, ensure that the power cord is disconnected. Do not apply force to the screen while moving the product.

21. Do not use this product in bathrooms, kitchens, laundry rooms, swimming pools, or other humid environments, or in locations where water or liquids may splash.

22. Before cleaning the interactive flat panel, always unplug the power cord. Clean gently using a soft, dry cloth.

23. Insufficient ventilation may cause overheating or shorten the product's lifespan. Do not block ventilation openings or slots.

Important Safety Instructions

24. Do not place the product in an enclosed space. Ensure sufficient clearance around the interactive flat panel: at least 10 cm on the top, bottom, left, and right sides, and at least 2.5 cm at the rear.

25. Do not use the product near radiators, stoves, heaters, or other heat-generating devices.

26. The display panel used in this product is made of glass and may break if subjected to impact. If the glass is broken, exercise caution to avoid injury from fragments.

· When writing on the screen, use only the pen provided by the manufacturer.

· Damage caused by using pens other than the supplied pen, or by hard or sharp objects, is not covered by the manufacturer's warranty.

27. The display panel is a high-precision product. Due to its characteristics, a small number of inactive pixels may be present; this does not affect product performance.

28. For safety, connect the interactive flat panel to a main power outlet with a protective earth (ground) connection.

Operating Environment and Maintenance

1. Environmental Protection

· Do not dispose of the interactive flat panel with general household waste.

· This product must be disposed of at designated recycling facilities.

· For detailed recycling instructions, contact your local authorities or the manufacturer.

2. Operating Environment

· Do not use the product in excessively hot or cold locations.

· When used in low-temperature environments, image persistence may occur; this will recover once **the** temperature returns to normal.

· Do not expose the product to direct sunlight, low temperatures, high temperatures, or high humidity, as this may cause deformation or performance degradation.

· *Recommended environmental conditions:*

   - Operating temperature: 0°C to 40 °C

   - Operating humidity: 20% to 80% (non-condensing)

   - Storage temperature: −15°C to 45°C

   - Storage humidity: 10% to 80%

   - Atmospheric pressure: 86 to 106 kPa

3. Image Retention Notice

· Displaying static images for extended periods may cause permanent image retention.

· Avoid displaying static images for long durations, and do not set brightness or contrast excessively high.

· Turn off the power when the product is not in use.

· Using the display in portrait mode is not recommended.

· Image retention is not a product defect and is not covered under warranty.

4. Cleaning and Maintenance

· Always unplug the power cord before cleaning.

· Clean gently using a soft, dry cloth.

· Do not use alcohol, thinner, benzene, or other hazardous substances.

Front Control Panel
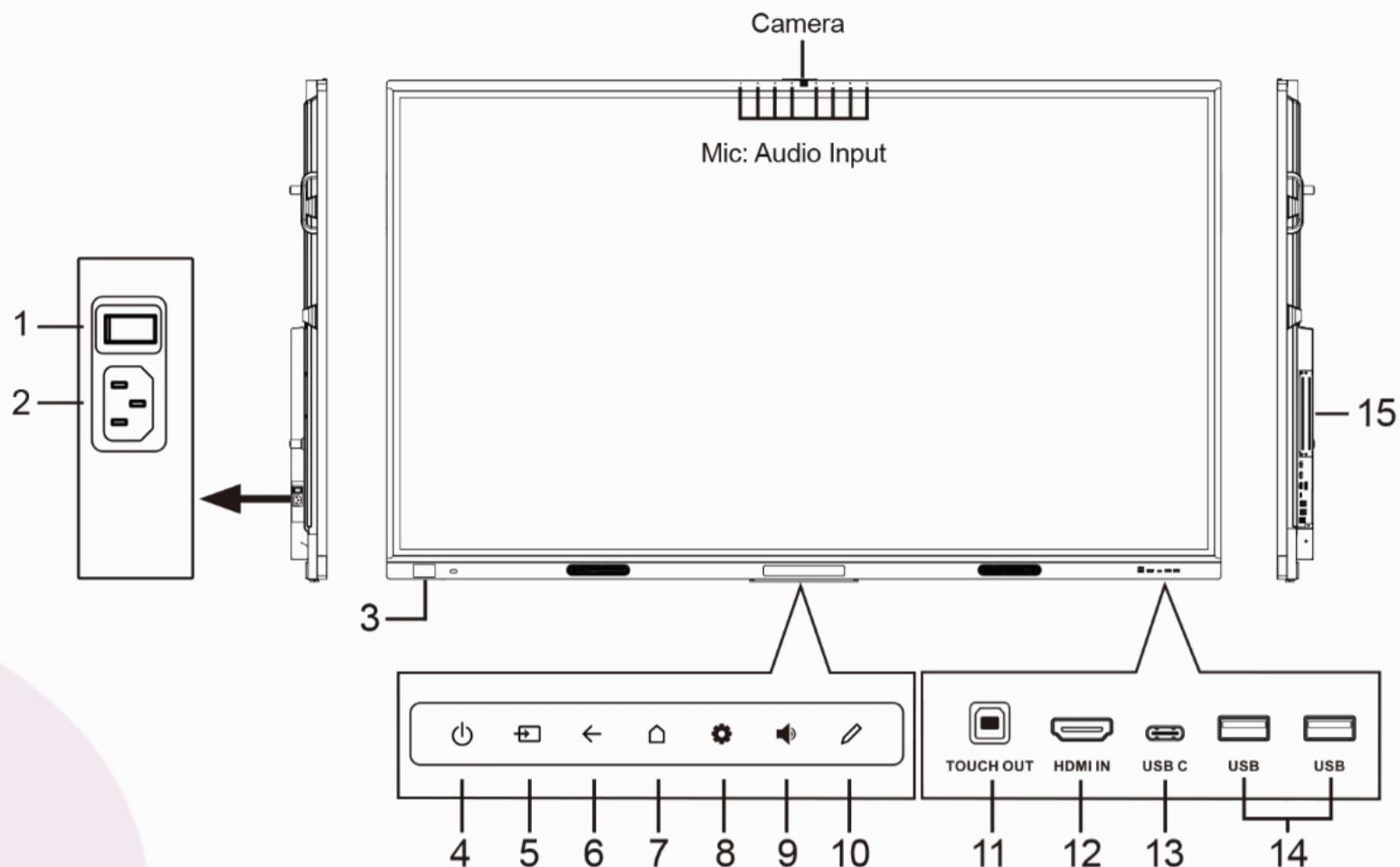
| 1	*Power Switch*	*Press (I) to turn the power ON. Press (O) to turn the power OFF.*
2	*AC IN*	*Connect the AC power cord to the product and a wall outlet. (AC 100–240V, 50/60Hz)*
3	*NFC*	*NFC can be used for authentication when a password is required.*
4	⏻	*Turns the IFP power ON or OFF.*
5	⮥	*Displays the external input source menu.*
6	←	*Returns to the previous menu.*
7	⌂	*Returns to the Home screen.*
8	⚙	*Opens the Settings menu.*
9	🔊	*Press briefly to display the volume adjustment bar. Press and hold to activate mute mode.*
10	✎	*Activates the annotation function.*
11	*TOUCH OUT*	*Connect a cable here to control touch input on an external device from the IFP.*
12	*HDMI IN*	*Connects video and audio signals from an external device.*
13	*USB-C*	*Connects USB Type-C devices.*
14	*USB (3.0/2.0)*	*Connects USB devices.*
15	*OPS PC*	*Insert and connect an OPS PC.*

Side / Rear Ports
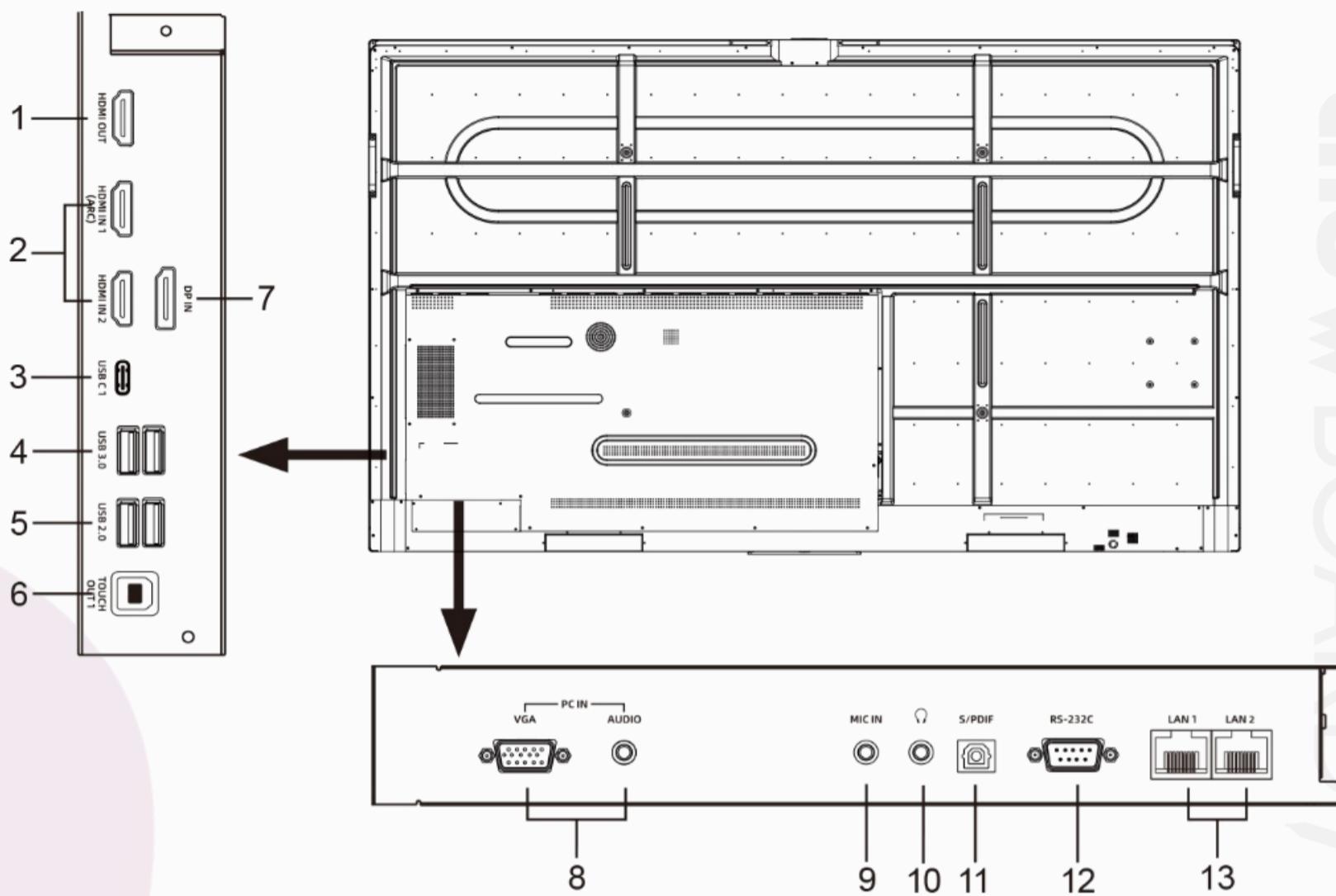
1	HDMI OUT	Connects an external device to output video and audio from the screen.
2	HDMI IN 1/2	Connects external devices.
3	USB-C	Connects USB Type-C devices. (Used for input and maintenance purposes)
4	USB 3.0	Connects USB 3.0 devices.
5	USB 2.0	Connects USB 2.0 devices.
6	TOUCH OUT	Connect a cable here to control touch input on an external device from the interactive flat panel.
7	DP IN	Connects an external device via DisplayPort.
8	PC IN	Connects video and audio signals from a PC.
9	MIC IN	Connects a microphone.
10	🎧	Connects headphones.
11	S/PDIF digital Audio Output	Connects a digital audio sound system.
12	RS 232C	Used for remote control, service, and other purposes.
13	LAN 1/2	Connects to an external network or router.

Remote Control
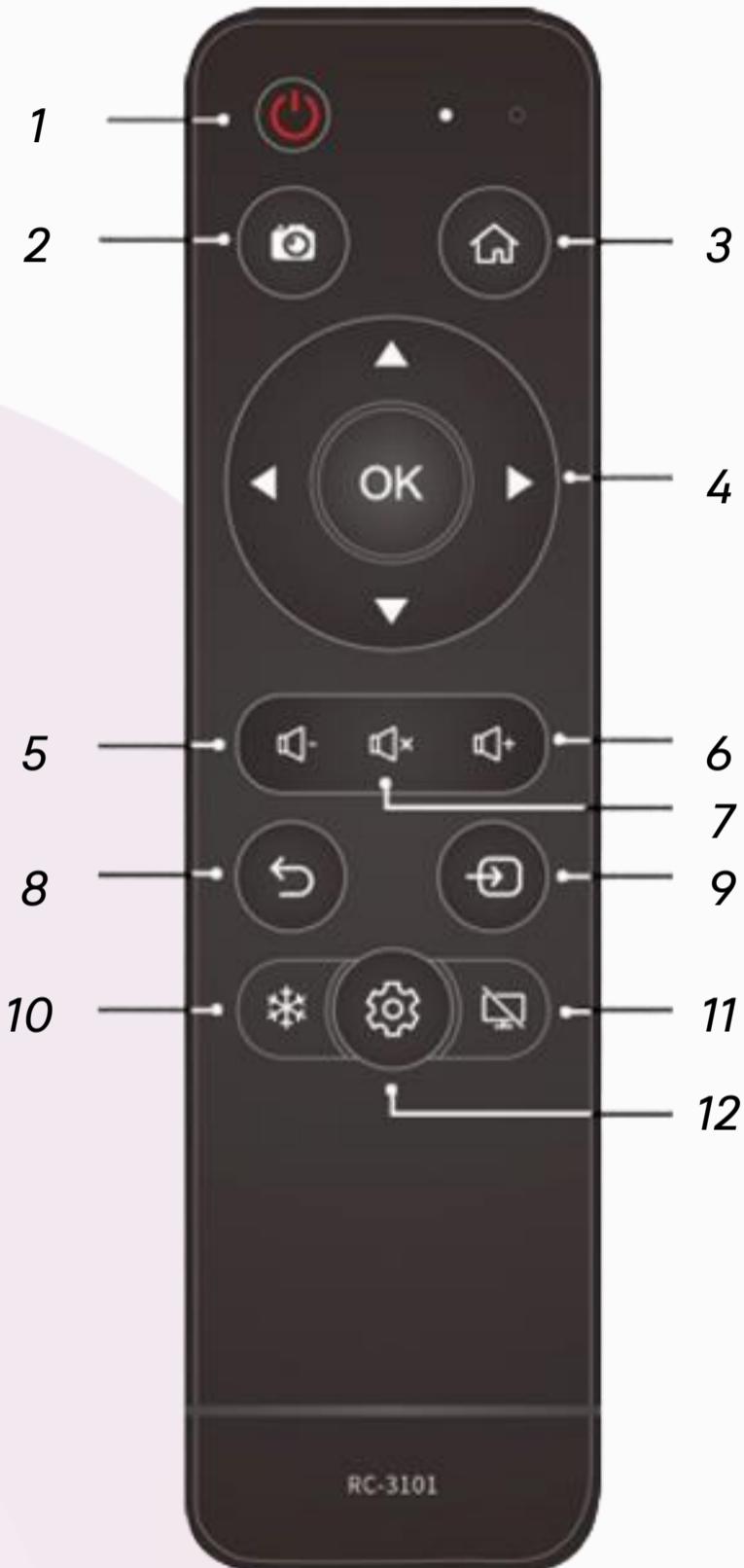
1	Power	Turns the power ON or OFF.
2	Screenshot	Captures the screen and saves it to the device.
3	Home	Returns to the Home screen.
4	Direction Keys	Adjusts direction using the buttons.
5	Volume Down	Decreases the volume.
6	Volume Up	Increases the volume.
7	Mute	Mutes the sound.
8	Back	Returns to the previous menu.
9	Input Source	Displays the external input menu.
10	Freeze	Freezes the currently displayed content.
11	Screen OFF	Turns off the screen while audio continues to play.
12	Settings	Opens or closes the Settings menu.

RC-3101

• This manual is written based on remote control operation.
• Depending on the operating mode, the functions of some buttons may vary.
• The remote control requires non-rechargeable batteries. Please check the battery insertion orientation.

Installation

1. Installation Considerations

⚠ **Caution:** The installation environment must meet the specified conditions to ensure optimal product performance.

Ambient Lighting

• If sunlight or strong light shines directly onto the front of the product, image contrast may be significantly reduced or the image may appear faded.

Ambient Temperature

• Install the product in a well-ventilated location where hot air does not accumulate, and ensure that the ambient temperature is maintained at or below 35°C (95°F).

2. Product Dimensions

Screen Size	55 inch	65 inch	75 inch	86 inch
Width (mm)	1,271 mm	1,490 mm	1,714 mm	1,959 mm
Height (mm)	791 mm	915 mm	1,043 mm	1,180 mm
Depth (mm)	83 mm	84 mm	84 mm	84 mm
Weight (kg)	26 kg	40 kg	50 kg	86 kg

Installation

3. Unpacking Instructions

✏ *Images may differ from the actual product.*
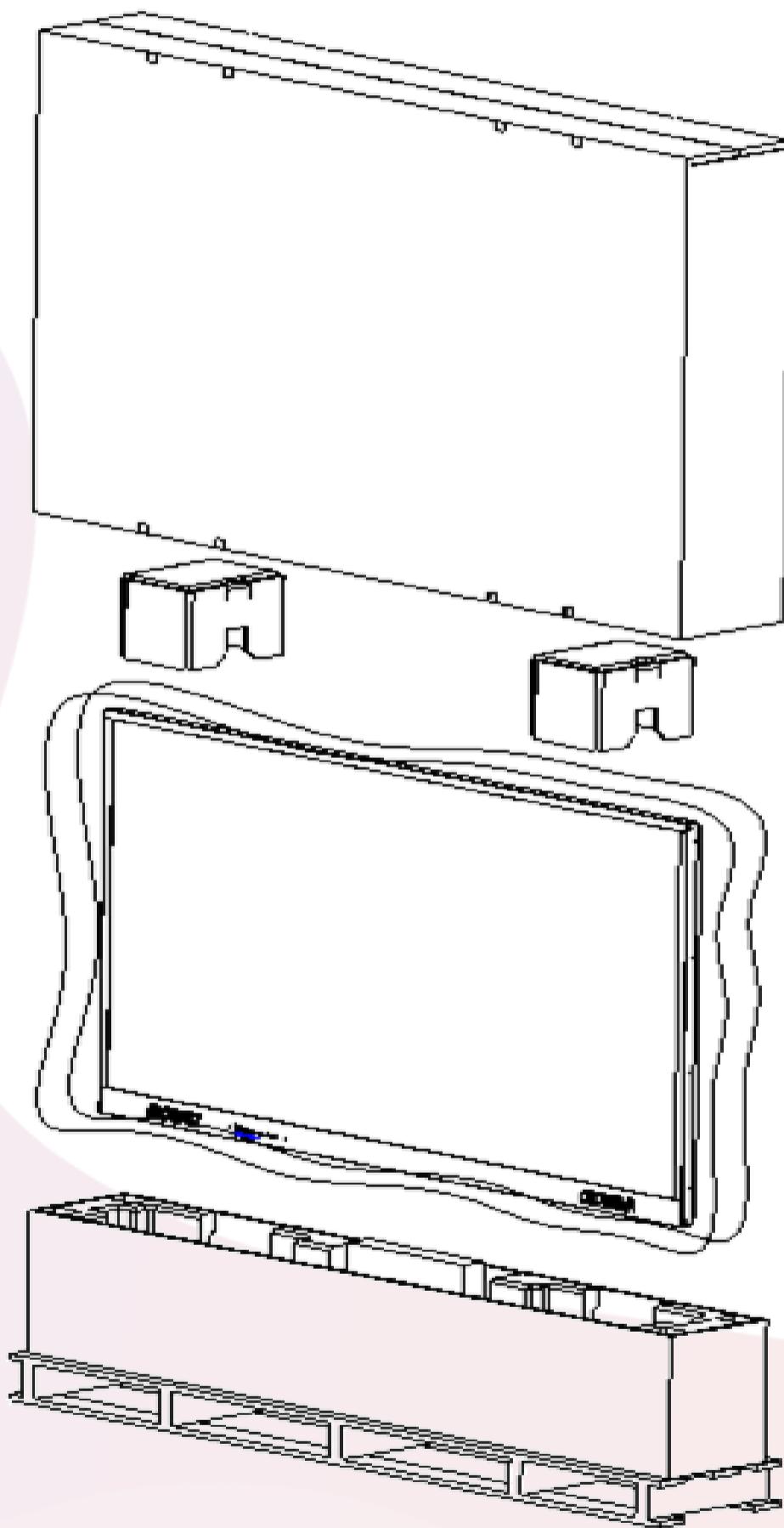
① *Remove the outer packaging box.*

② *Remove the top foam padding.*

③ *Pull down or remove the protective plastic film covering the product.*

④ *Two or more people should remove the product from the packaging.*

## 4. Handling Instructions

🖉 *Images may differ from the actual product.*

When Moving the Product

• Correct Method

When transporting the product, at least four people must support it to ensure safe handling.
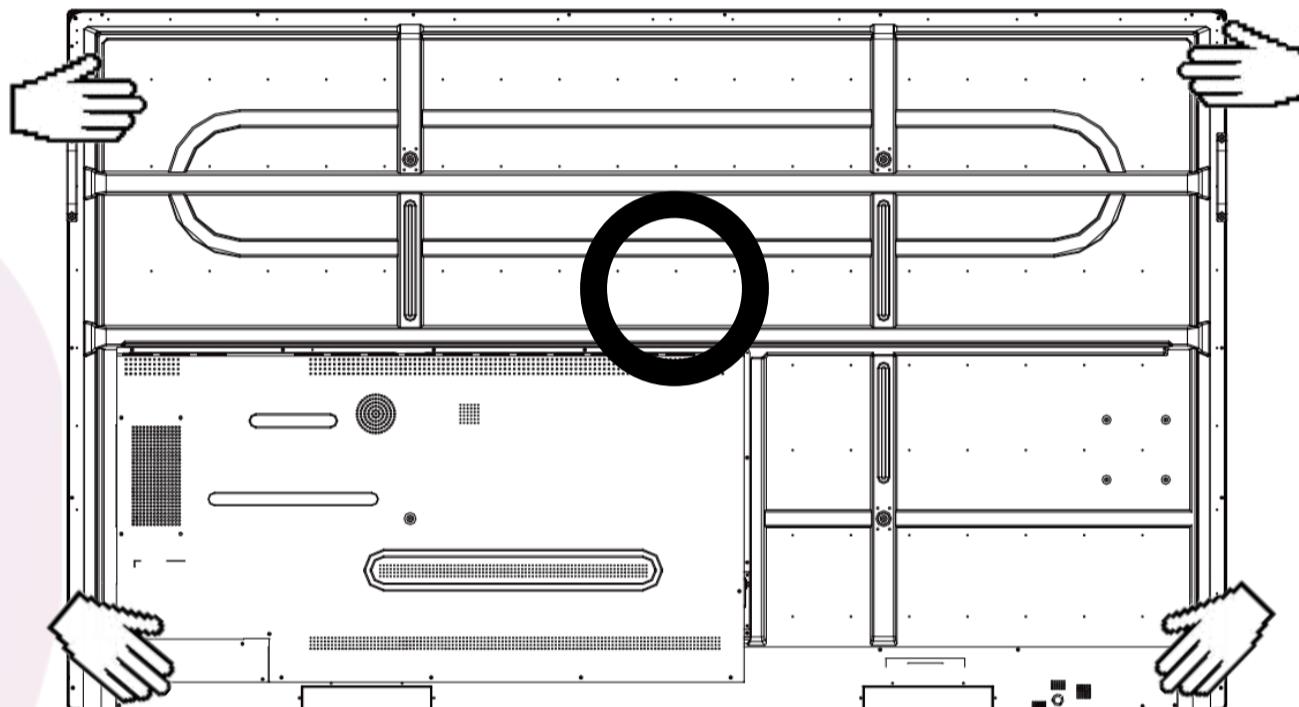
• Incorrect Method

Do not hold or lift the product by any part of the front screen when moving it.

Also, ensure that the product does not twist and remains level at all times.
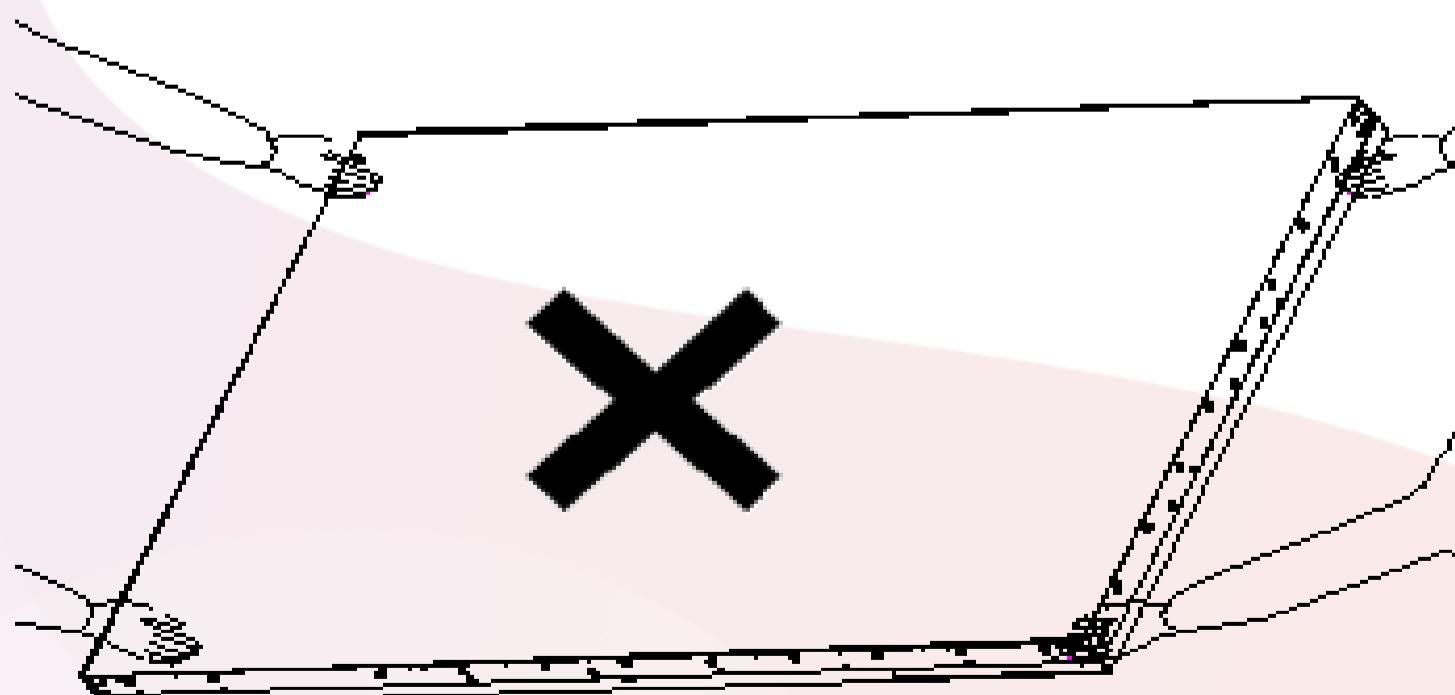
Installation

When Moving the Product

· **Correct Method**

Avoid laying the product flat on the floor whenever possible.

If it must be laid down, first prepare a clean, flat, and soft cushion with no debris.

Slowly place the product horizontally onto the cushion to prevent impact or damage.

쿠션
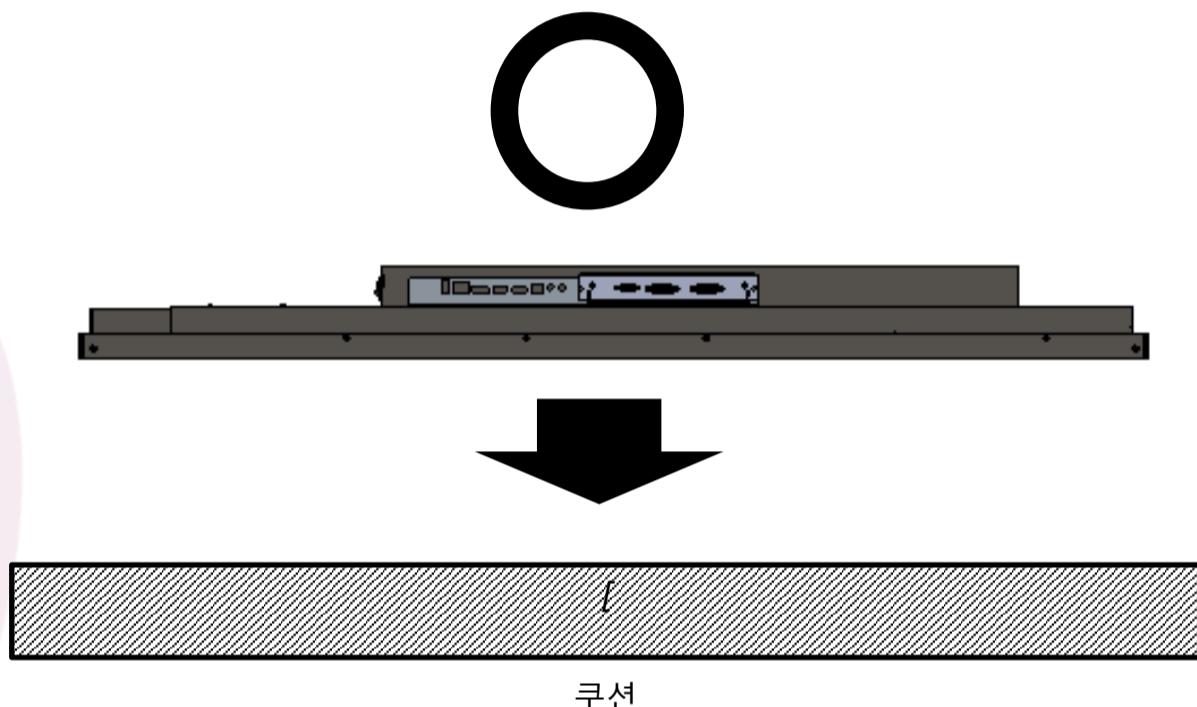
· **Incorrect Method**

Tilting the product starting from one side or corner may damage the internal structure.
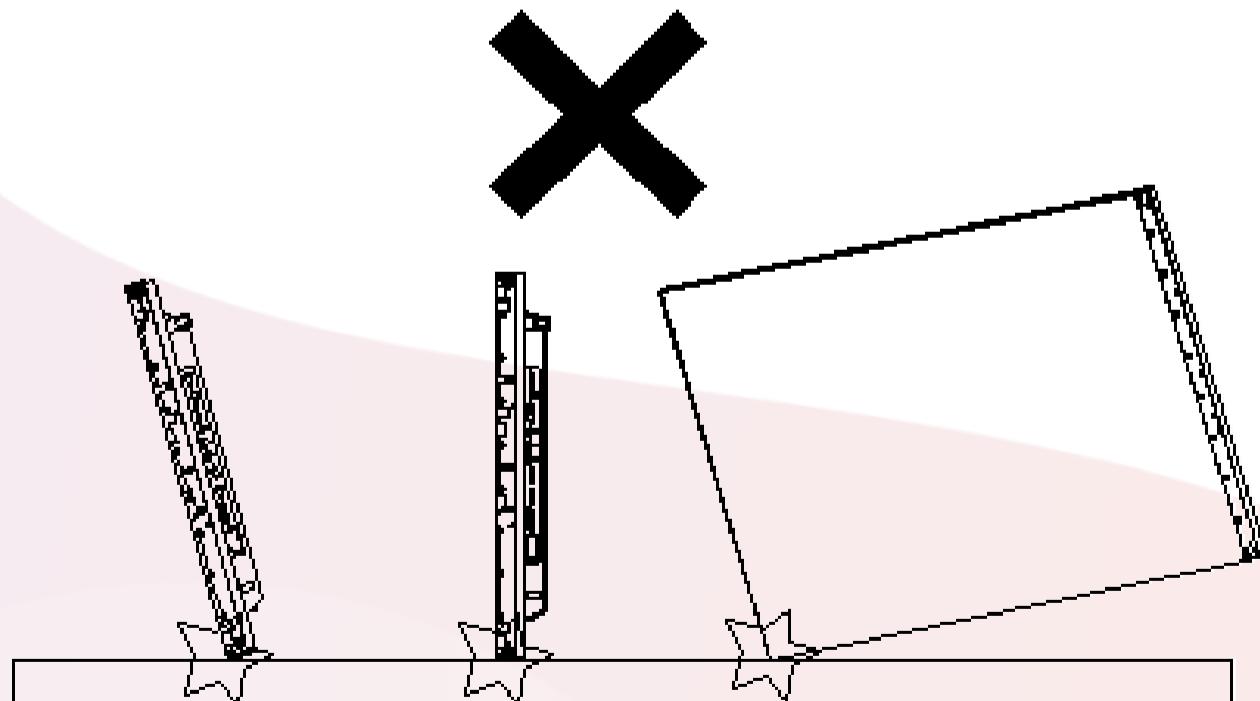
Installation

5. Wall-Mount Installation Checklist

For precautions related to installing the wall-mount bracket, refer to the instruction manual provided with the bracket.

Wall-mount installation must be performed by qualified service personnel.

✎ Wall-Mount Specifications (VESA Standard)

· **55 inch** : 400 x 400 mm, M8 screws, 4 pcs (maximum length: 25 mm)

· **65 inch** : 600 x 400 mm, M8 screws, 4 pcs (maximum length: 25 mm)

· **75 / 86 inch** : 800 x 600 mm, M8 screws, 4 pcs (maximum length: 25 mm)

⚠ **Warning**: The manufacturer is not responsible for product damage or personal injury resulting from user-installed wall mounting.

6. Wall Installation Requirements

Install the product using a wall-mount bracket on a solid, vertical wall or mounting structure.

When installing on a wall or cabinet, ensure sufficient ventilation by maintaining the minimum distance from the wall as shown in the illustration.

Keep the ambient temperature at or below 35°C (95°F).

Maintain a clearance of at least 50 cm on all sides.
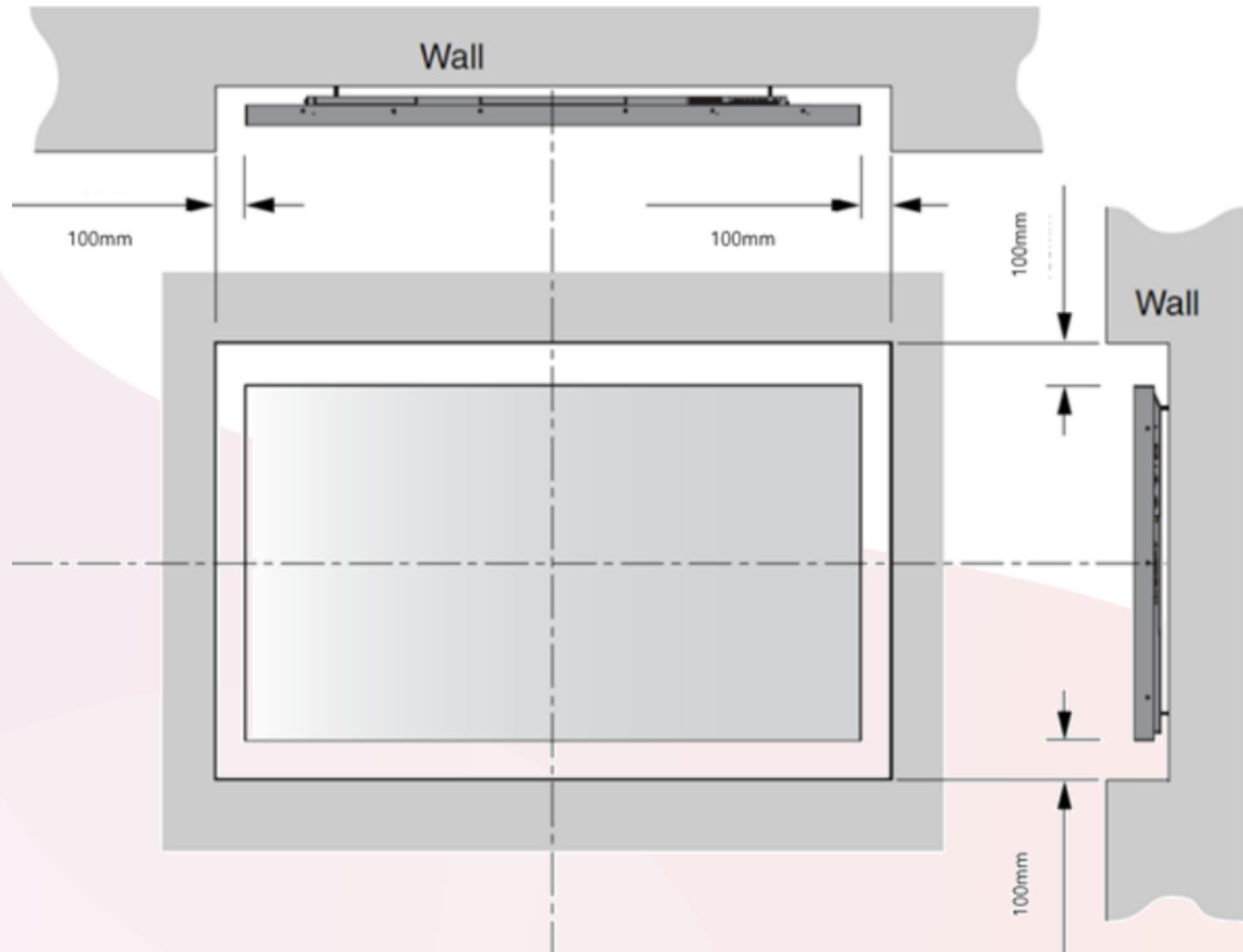
Wi-Fi Module Installation
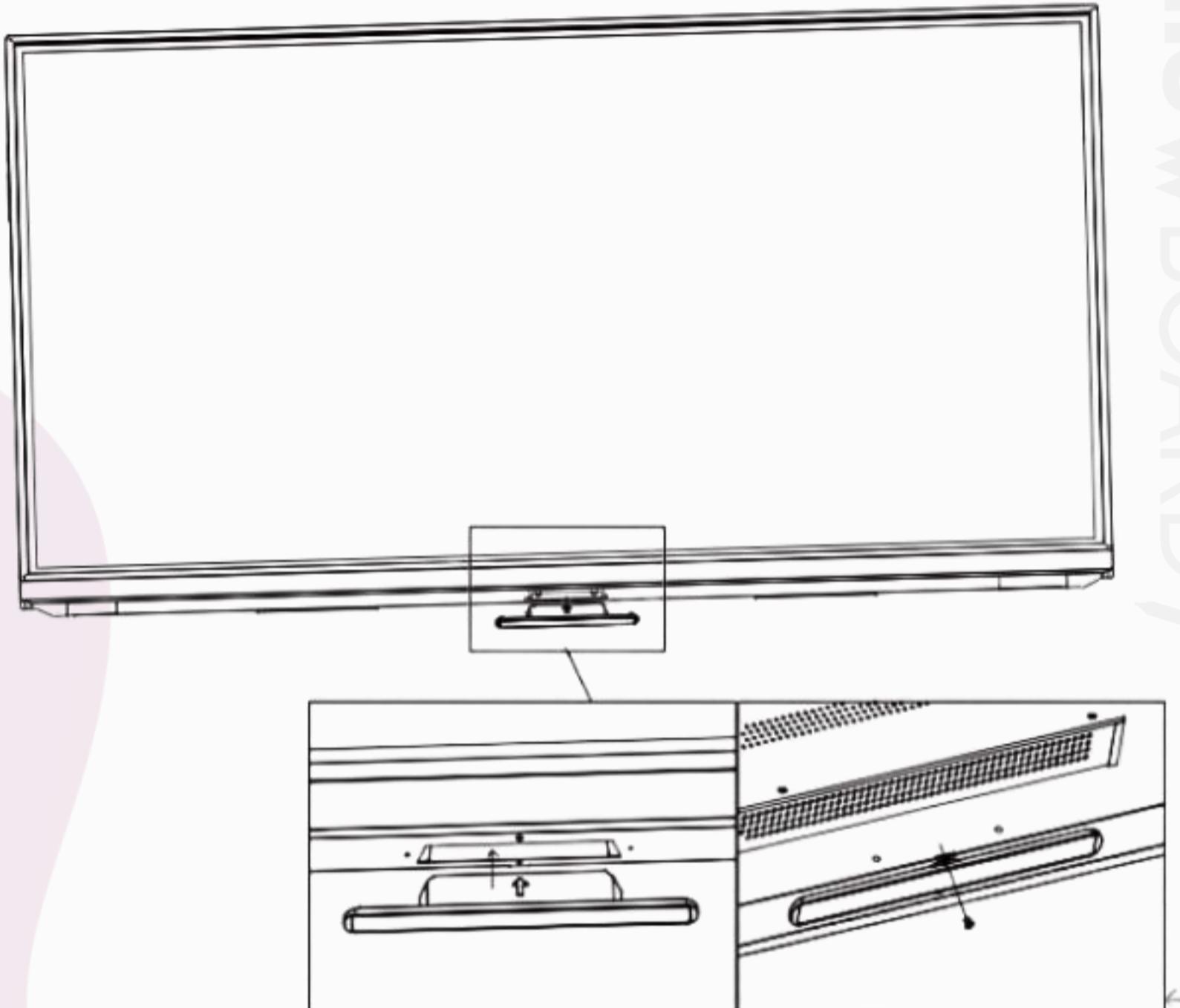
- The Wi-Fi module is removable.
- When inserting the Wi-Fi module, make sure the arrow mark is facing upward.
- After inserting the Wi-Fi module, be sure to tighten the fixing screw to ensure safe operation.

OPS PC Installation
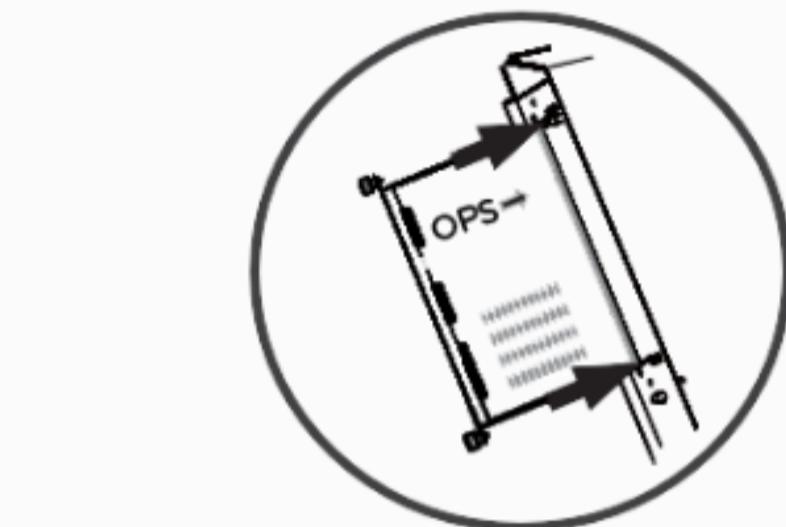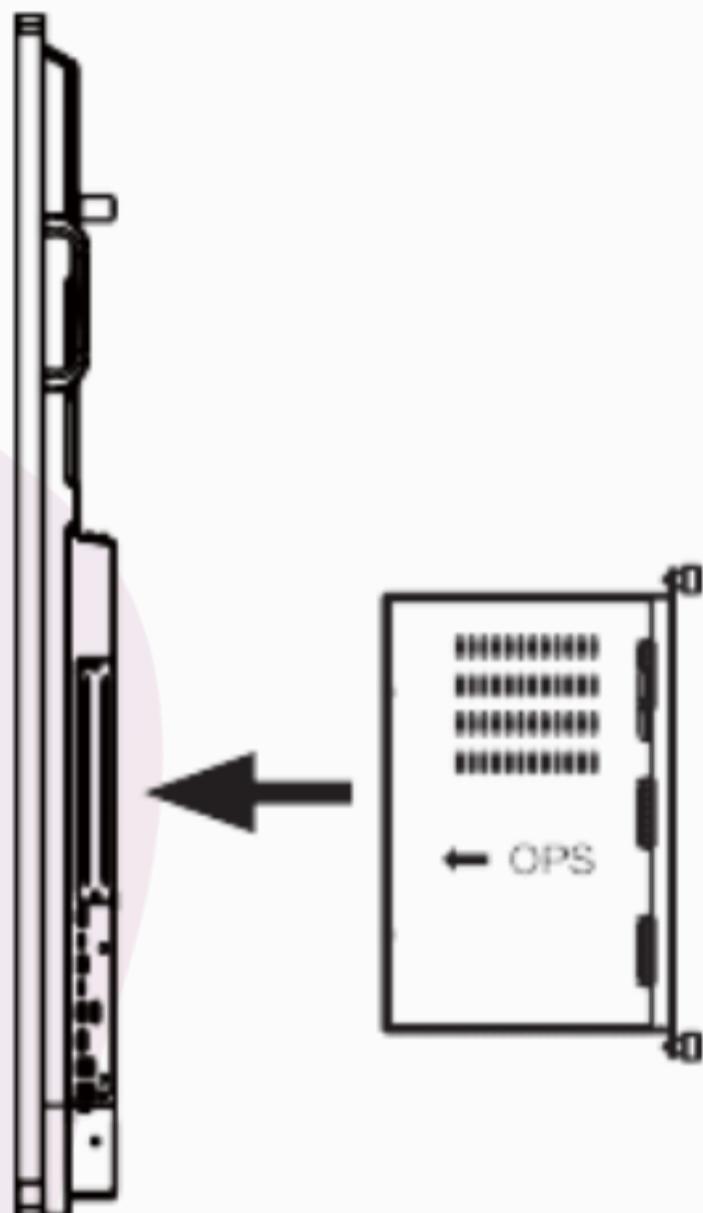
Insert the OPS PC into the slot along both guide rails.
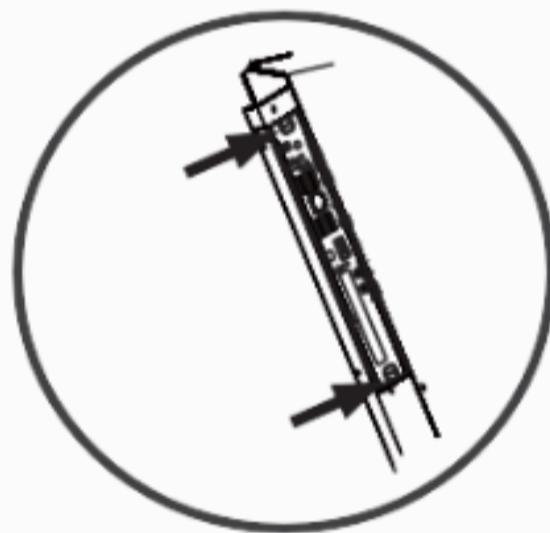
After inserting the OPS PC,

secure it using the two supplied screws on the side frame.

· *Always* **turn off** *the power before connecting or disconnecting the OPS PC.*

· *Hot plug is not supported.*

Precautions Before Connection

• *Before connecting external devices to the interactive flat panel, make sure that both*

 the interactive flat panel and the external devices are powered off.

• *Verify that the plugs on both ends of the cable are of the correct type before connecting them*

to the ports on the interactive flat panel.

• *Ensure that all plugs are fully and securely inserted into the ports.*

• *Loose connections may cause display or color issues.*

• *Images of external devices may vary depending on the model.*

• *Refer to the user manuals of the external devices as well.*

Front   TOUCH OUT   HDMI IN   USB C   USB   USB

USB cable

HDMI cable

Type C cable

USB cable

USB cable

USB

HDMI

PC, etc.

HDMI devices

USB Type C devices

USB devices
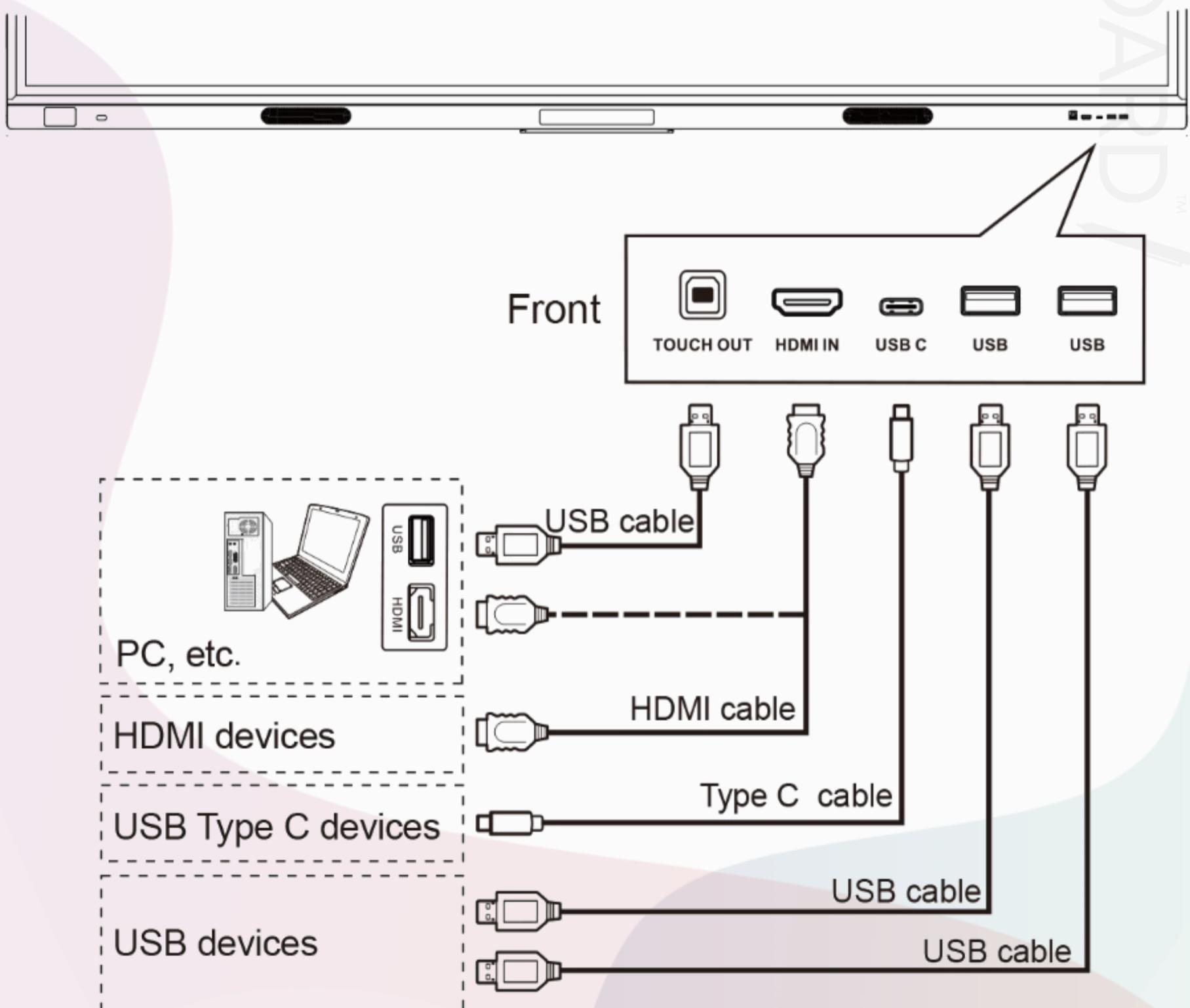
External Device / Port Connection
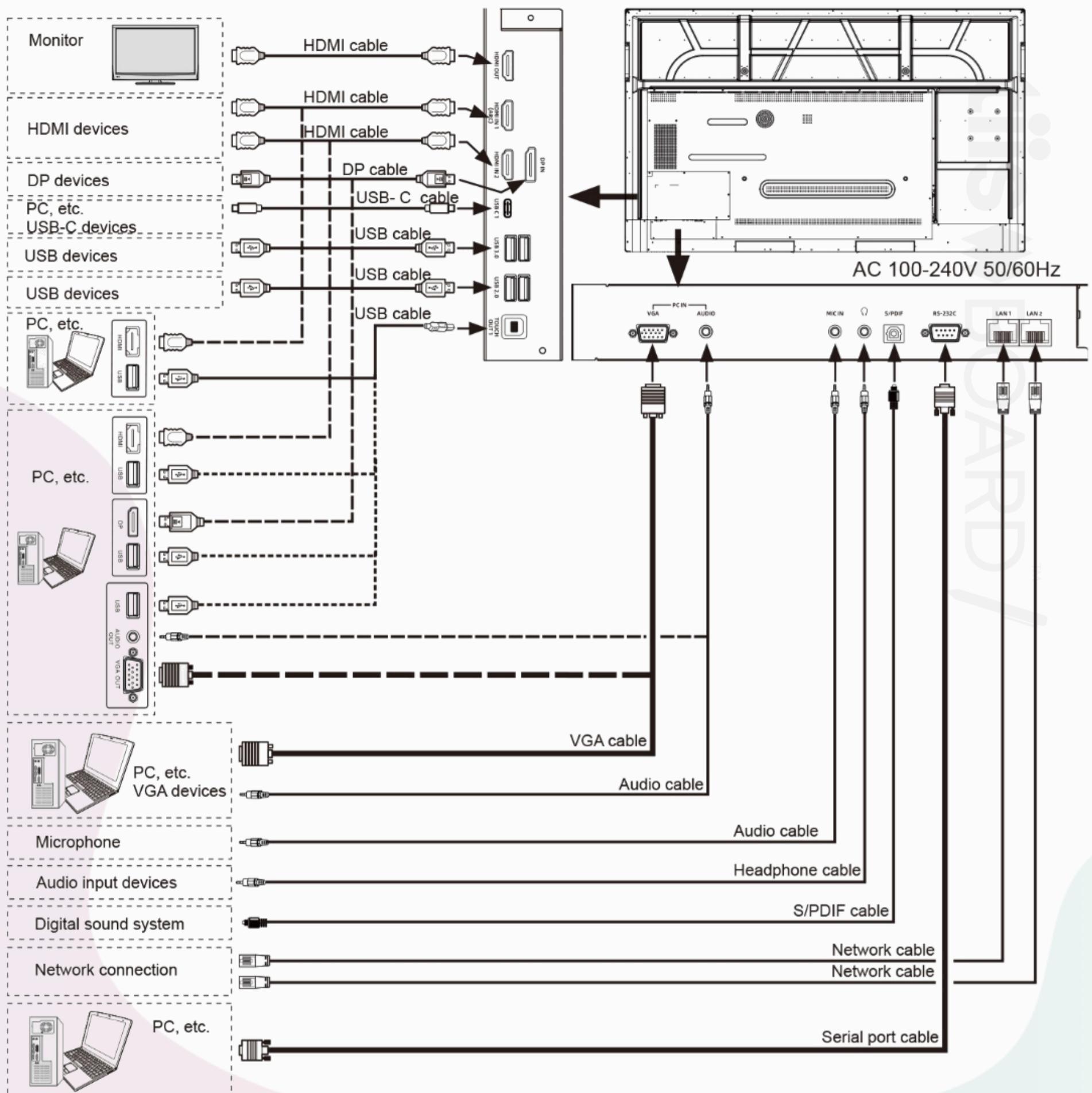
- To use the touch-out function, connect a USB cable between the PC and the USB port on the interactive flat panel.
- The PC can be connected using a VGA cable, HDMI cable, or DP cable.
- Select the appropriate connection method depending on the device.

(Applicable only for PC, HDMI, or DP signal input.)

- Touch Out Port 1 supports HDMI 1, HDMI 2, DP, and VGA connections.
- **Note**: Before using headphones, adjust the volume level in advance to prevent hearing damage caused by excessive sound levels.

Basic Operation
Turning the Screen On and Off

1. Plug the power cord into an AC wall outlet.

2. Press the power switch on the rear of the interactive flat panel.

3. The interactive flat panel will enter standby mode. Wait until the power indicator lights up.

4. When the power indicator is on, press the Power button to turn on the screen.

   - **Note**: Wait a few seconds before pressing the Power button. Pressing it too quickly may cause malfunction.

5. Press the Power button again to turn off the screen and return the display to standby mode.

6. To completely turn off the power, switch off the power switch on the rear of the interactive flat panel.

Basic Operation – Initial Setup

1. When the interactive flat panel is powered on for the first time, the initial setup screen appears as shown below.

2. Select the desired language and complete the setup by following the on-screen instructions.
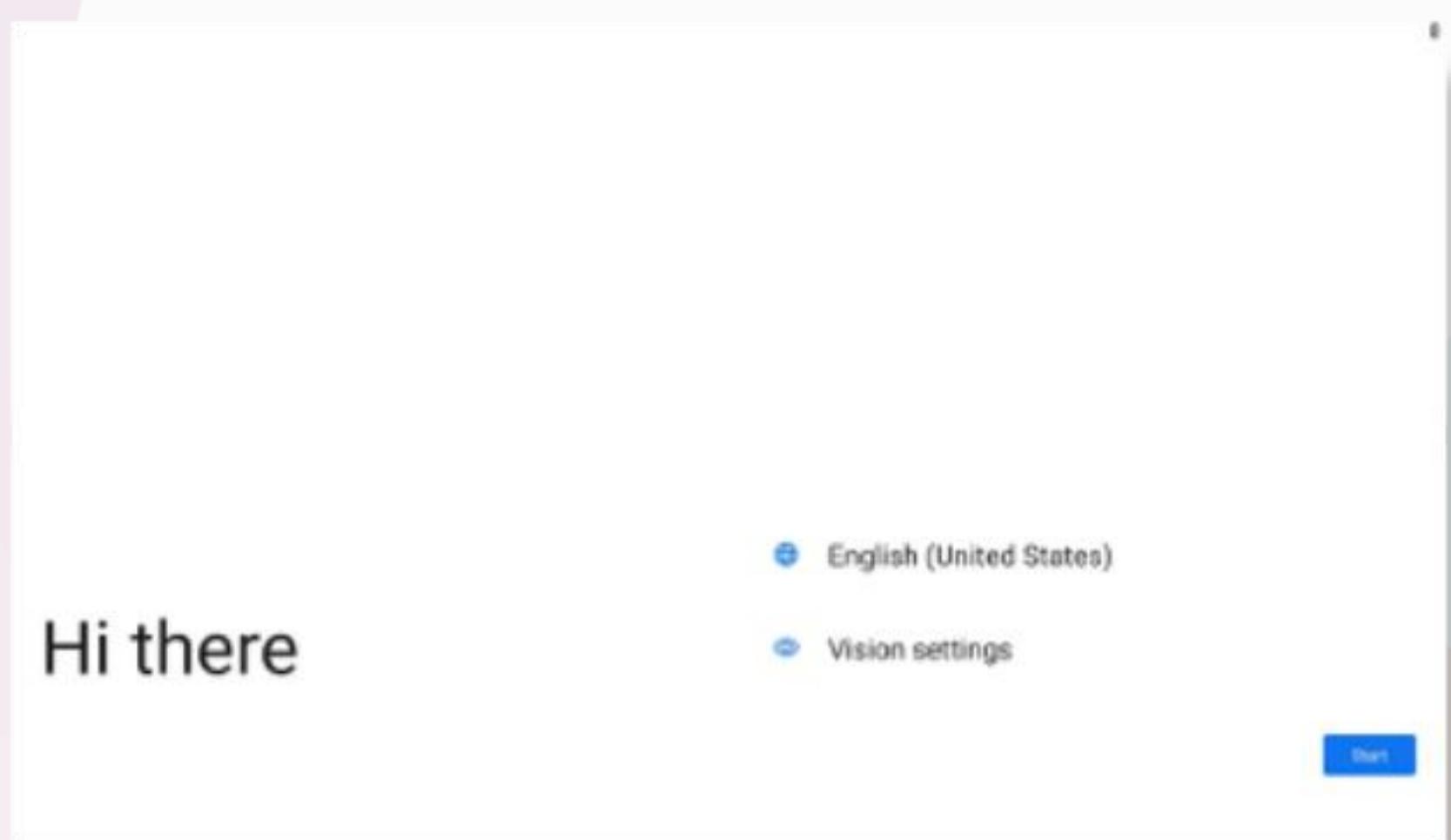
'Settings'

• This is the main Home screen displayed after the interactive flat panel boots up.

• Select the "**Settings**" menu.
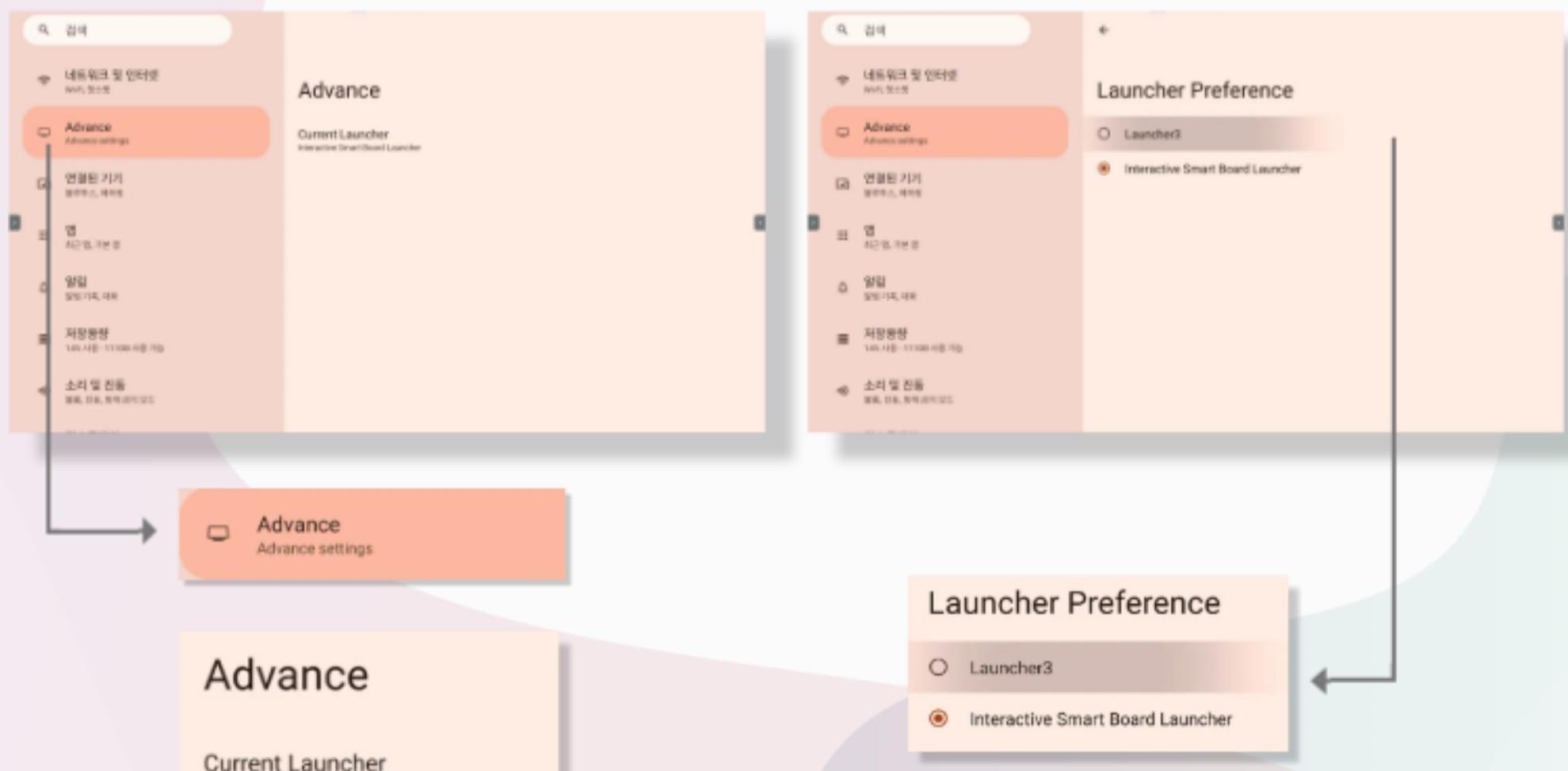
• Enter the Advanced menu.

• You can check the current launcher in the "**Current Launcher**" section.

• **First**: Use the Google Launcher.

• **Second**: Use the interactive flat panel launcher.

Basic Operation
Sidebar

'Sidebar'

• The sidebar is always positioned on both sides of the interactive flat panel screen.

• Touch the sidebar to expand it vertically, as shown below.

Expand / Hide Sidebar

Go to Android Home

Back

Running Apps List

Multi Window

External Input

Annotation

Basic Operation
Home Screen Page Layout

'Home Screen'

The main page displayed after the interactive flat panel boots up.

Swipe right on the Home screen

Displays the All Apps page.
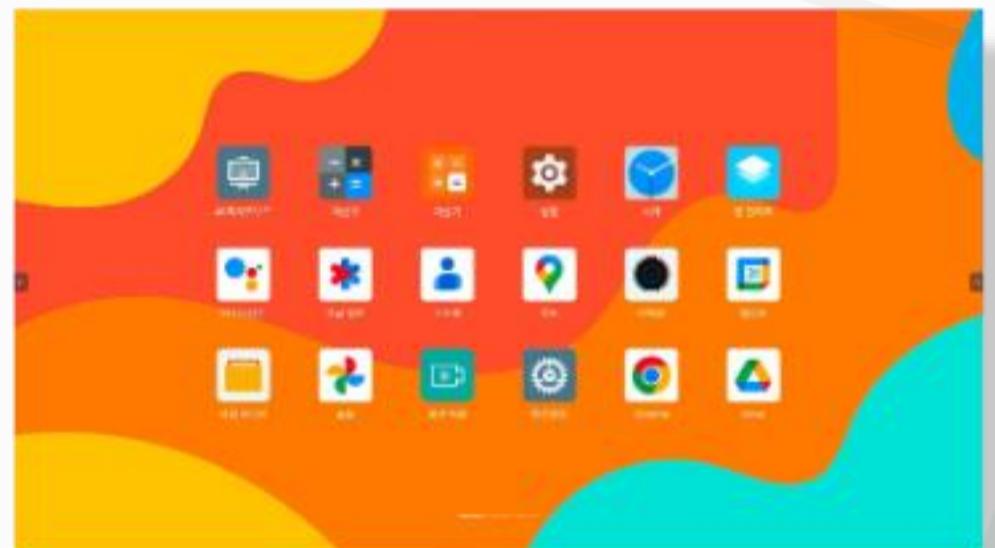
Swipe left on the screen

Opens the EShare (Mirroring) page.

'Settings Pop-up Menu'
Swipe up from the bottom left or
bottom right of the screen.

Wi-Fi Connection

Hotspot Connection

User Settings Menu

Close

Volume Control

Brightness Control
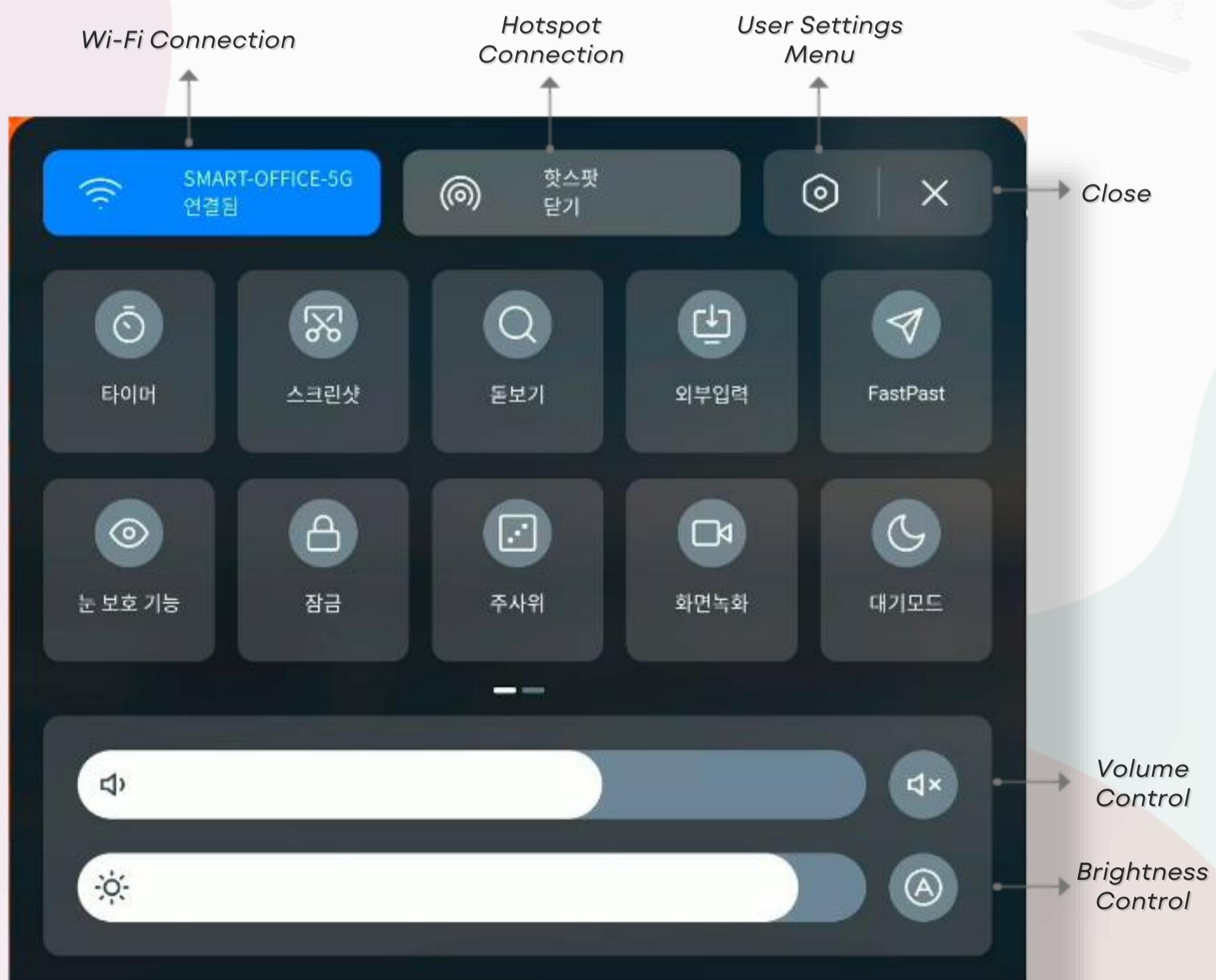
Basic Operation
External Input Pop-up Menu

'External Input Pop-up Menu'
*Swipe up from the bottom center of the
screen.*

You can change the external input source.
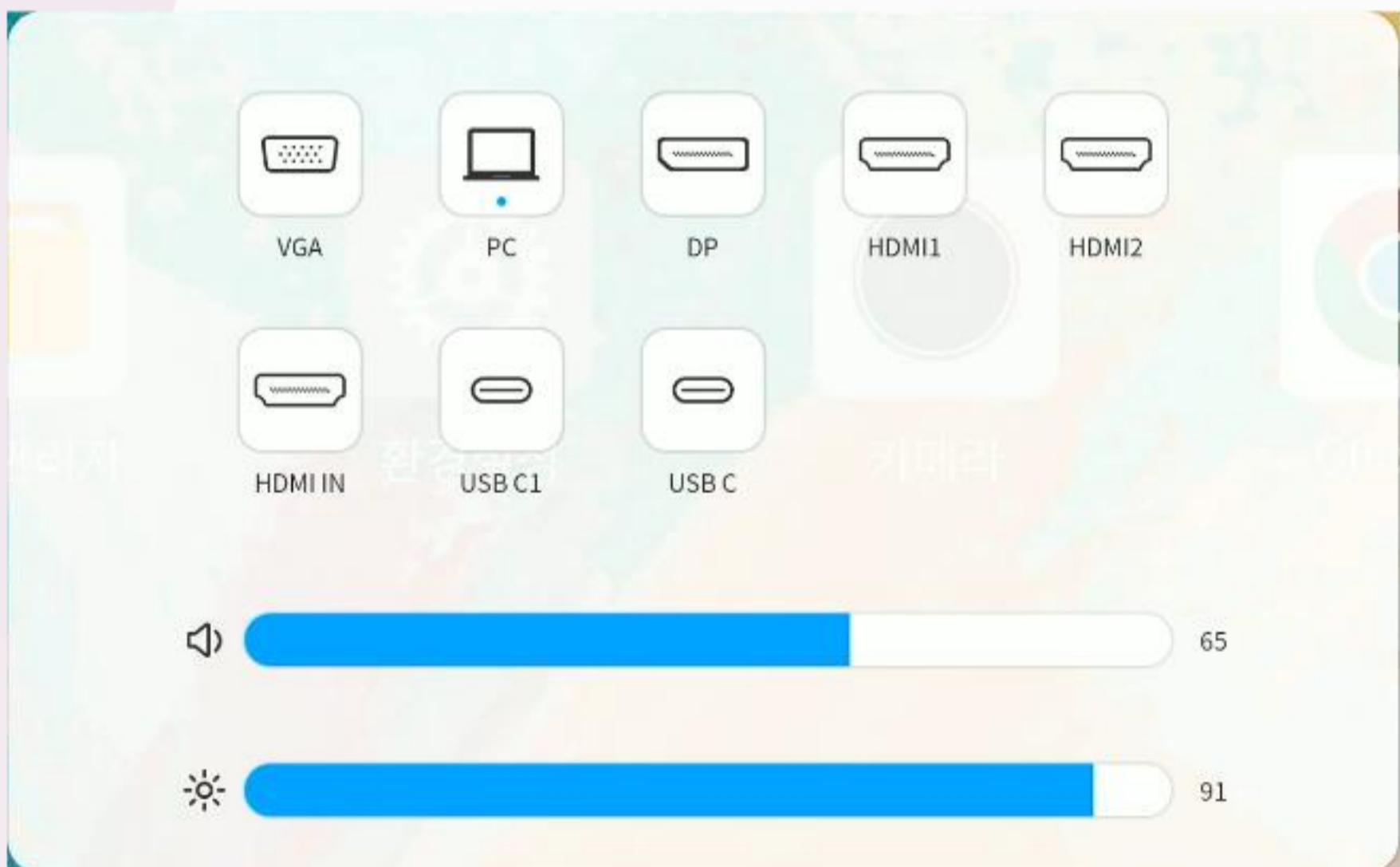
You can also adjust the volume and brightness.

Settings – Display
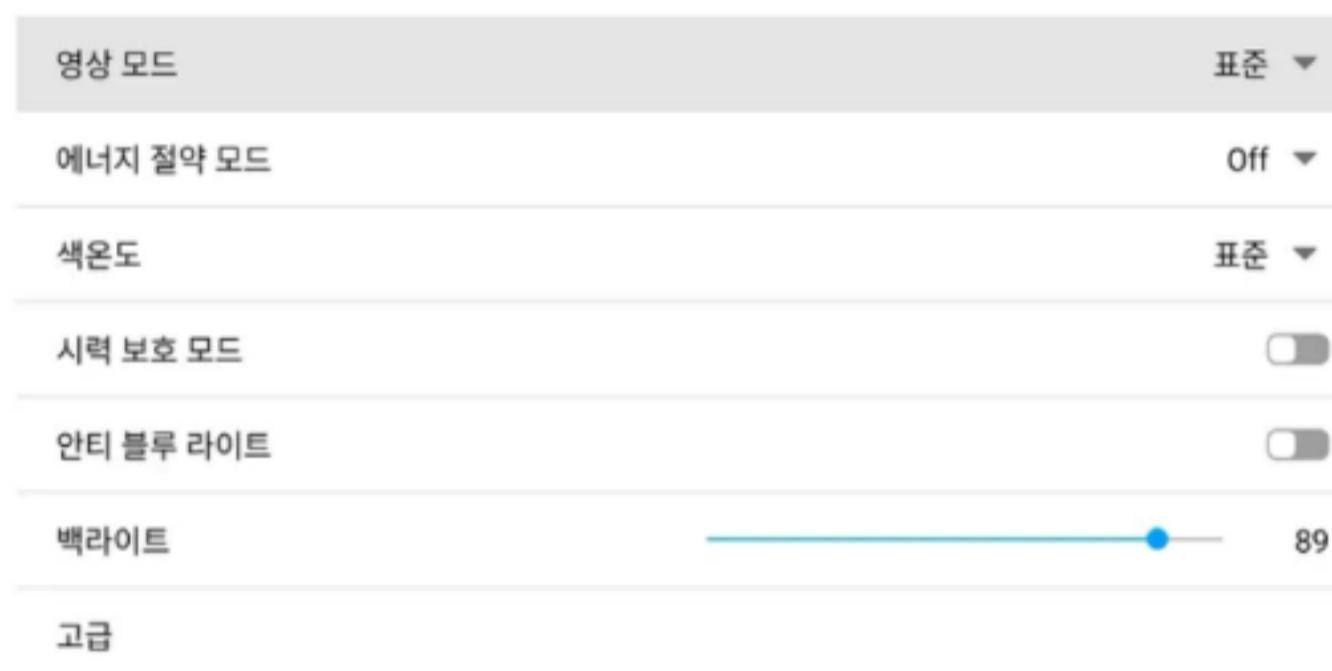
Picture Mode	Select the desired picture mode. If User is selected, brightness, contrast, sharpness, and color levels can be adjusted as desired.
Energy Saving Mode	Reduces backlight brightness to activate energy saving mode.
Color Temperature	Selects the color temperature.
Eye Care Mode	If there is no touch input for 3 seconds or the screen is touched, the backlight brightness is automatically reduced. When a touch signal is detected, the brightness returns to normal after 10 seconds.
Anti Blue Light	Reduces blue light emission.
Backlight	Adjusts the screen backlight level.
Advanced	Allows advanced settings such as screen contrast, brightness, sharpness, color, color temperature, white balance, color gamut, and text enhancement according to user preference.

Settings – Sound
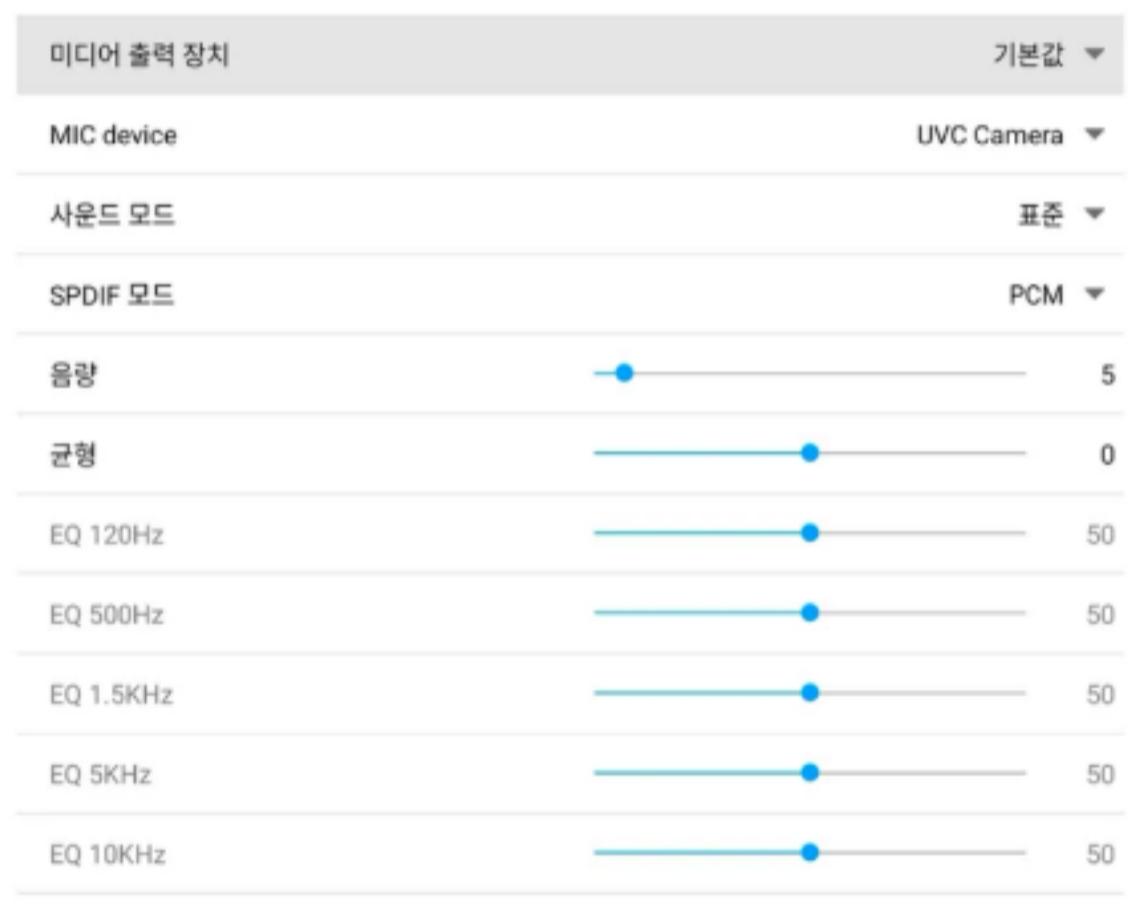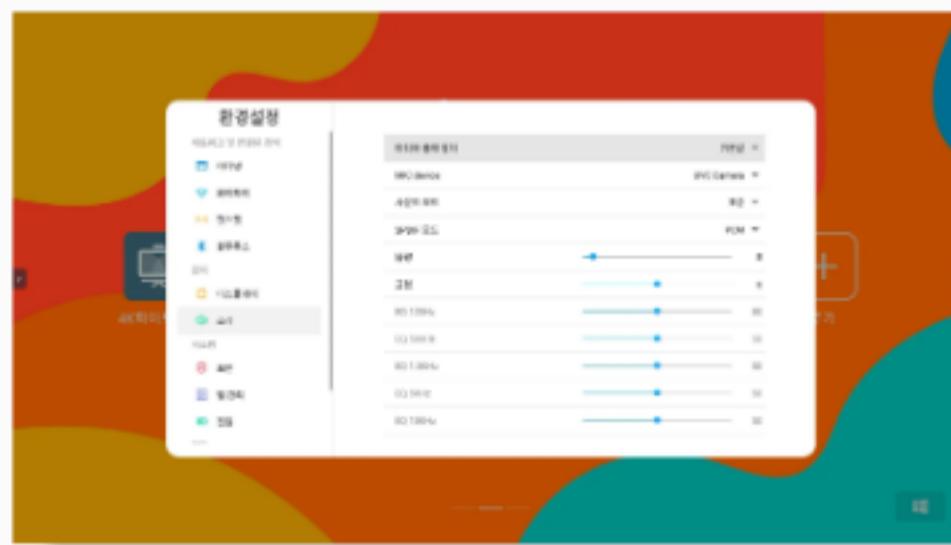
Audio Output Device	Selects the audio output device.
MIC device	Selects the connected microphone device.
Sound Mode	Selects a sound mode. If User mode is selected, custom sound settings can be adjusted.
SPDIF Mode	Digital audio output mode. Select RAW or PCM to output the corresponding format.
Volume	Adjusts the volume level.
Balance	Adjusts the left and right speaker balance.

System – Security

비밀번호 변경	Change Password	Sets the password. (The default initial password is 0000.)
앱 잠금	App Lock	Locks applications.
NFC 설정	NFC Settings	Configures NFC-related functions.
암호화 및 사용자 인증 정보	Encryption	Configures encryption and credential-related functions.
사용자	User	Manages user accounts.
앱 설치/제거 잠금 잠금 해제됨	App Install / Uninstall Lock	Restricts app installation and uninstallation.
터치 잠금 잠금 해제됨	Touch Lock	Enables or disables touch functions.
키패드 잠금 잠금 해제됨	Keypad Lock	Enables or disables the physical buttons on the interactive flat panel.
IR 잠금 잠금 해제됨	IR Lock	Enables or disables remote control functions. (Enabled by default.)
네트워크 잠금 잠금 해제됨	Network Lock	Enables or disables network functions.
기본 USB 설정	Default USB Settings	Configures default USB settings.
Android 설정	Android Settings	Opens Android system settings.

System – App Management

· 설치된 앱 목록을 표시합니다.

· 모든 앱을 표시합니다.

[System – Power]

Scheduled Power On / Off	Allows the interactive flat panel to enter standby mode at a specified time or automatically turn on or off at a scheduled time.
Boot Settings	Selects the connected microphone device at startup.
Wake on LAN	Enables or disables the Wake on LAN function.
Motion Detection	Detects motion using the built-in sensor. (Optional)
Standby Transition Timer	Sets the time before the interactive flat panel automatically switches to standby mode.
Auto Standby Mode	Automatically switches the interactive flat panel to standby mode when no signal input is detected for a specified period of time.

Other - See more

자동 외부입력 전환	*Auto External Input Switch*	Automatically switches to the connected external input screen.
온도 보호	*Temperature Protection*	Enables or disables the device temperature protection function.
현재 온도	*Current Temperature*	Displays the current device temperature.
경고 온도	*Warning Temperature*	Sets the temperature at which a warning message is displayed. If the set temperature is exceeded, the power will automatically turn off after 30 seconds.
공기 질량 보호	*Air Quality Protection*	Enables or disables the air quality protection function. (Optional)
HDMI	*HDMI*	Configures HDMI EDID settings. Enables or disables the HDMI CEC function.
날짜 및 시간	*Date & Time*	Sets the date and time.
언어	*Language*	Sets the system language.
키보드 및 입력	*Keyboard & Input*	Configures keyboard and input settings.
Clear browser data	*Clear browser data*	Deletes browser data.
사용자 맞춤 설정	*User Custom Settings*	Allows customization of wallpaper, system sounds, touch tones, privacy settings, floating menu auto-hide, and camera options.

Others – Device

장치 이름 최대 32자	ST-Qera65_0000
장치 모델	QERA_Series
데이터베이스 복사	
시스템 정보	
시스템 업데이트	
초기화	

Device Name	*Displays the device name.*
Device Model	*Displays the device model information.*
Database Backup	*Performs database export or import via USB.*
System Information	*Displays system information.*
System Update	*Performs local updates or online updates.*
Factory Reset	*Resets all settings to the factory default settings.*

Annotation

Pen Thickness

Pen Color

Close Menu

Eraser

Saves as an image file, inserts into the whiteboard, or shares via QR code.

'Annotation' Function
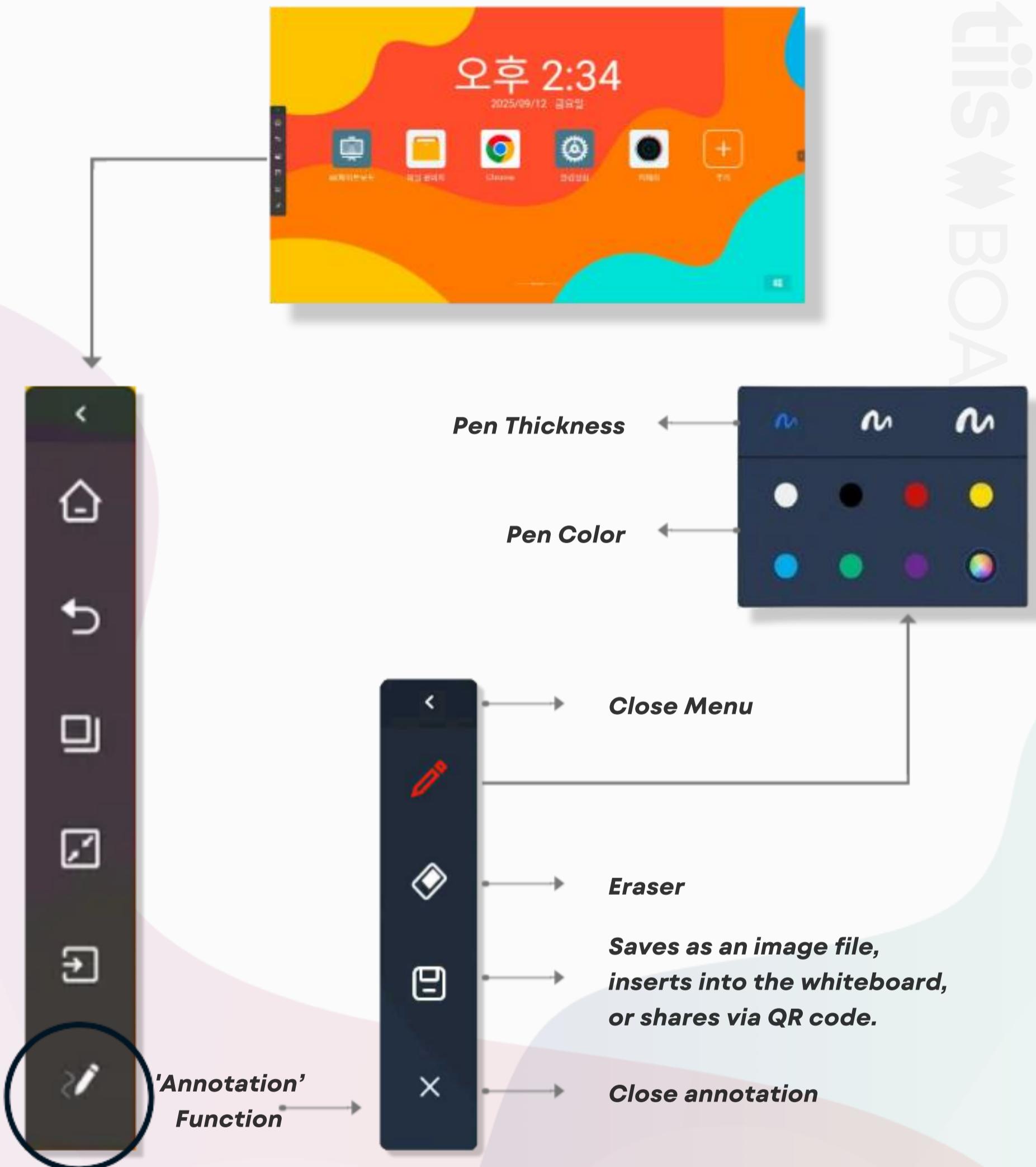
Close annotation

• The annotation function also supports palm rejection (gesture erase).
• When you touch the screen area, the erase icon appears, and moving your finger will erase the content.

Whiteboard – Main Menu
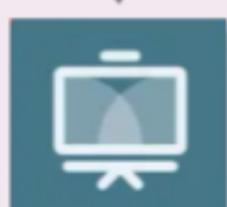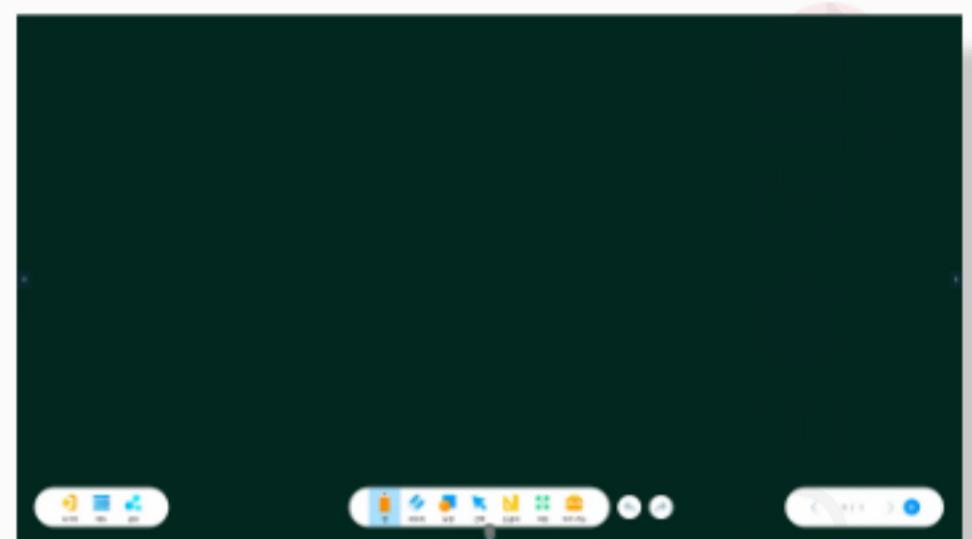
Whiteboard

|		
	Pen	Selects the pen type and adjusts properties such as thickness and color.
	Eraser	Selects the type of eraser to use.
	Shapes	Selects shapes to draw (line, rectangle, 2D, 3D, etc.).
	Select	Selects objects. Selected objects can be resized, moved, or edited.
	Protractor	Selects auxiliary tools such as protractor, triangle, and angle tools.
	Move	Switches to free move mode.
	More Tools	Opens the toolbox. (Split screen, screenshot, gallery, home, table, camera, etc.)
	Undo	Cancels the last action.
	Redo	Cancels the last action.
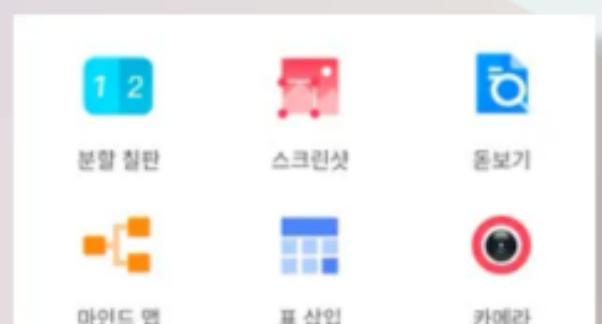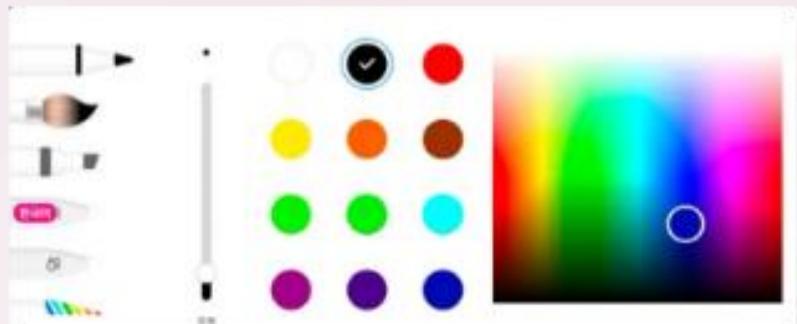
Whiteboard – Left / Right Menu
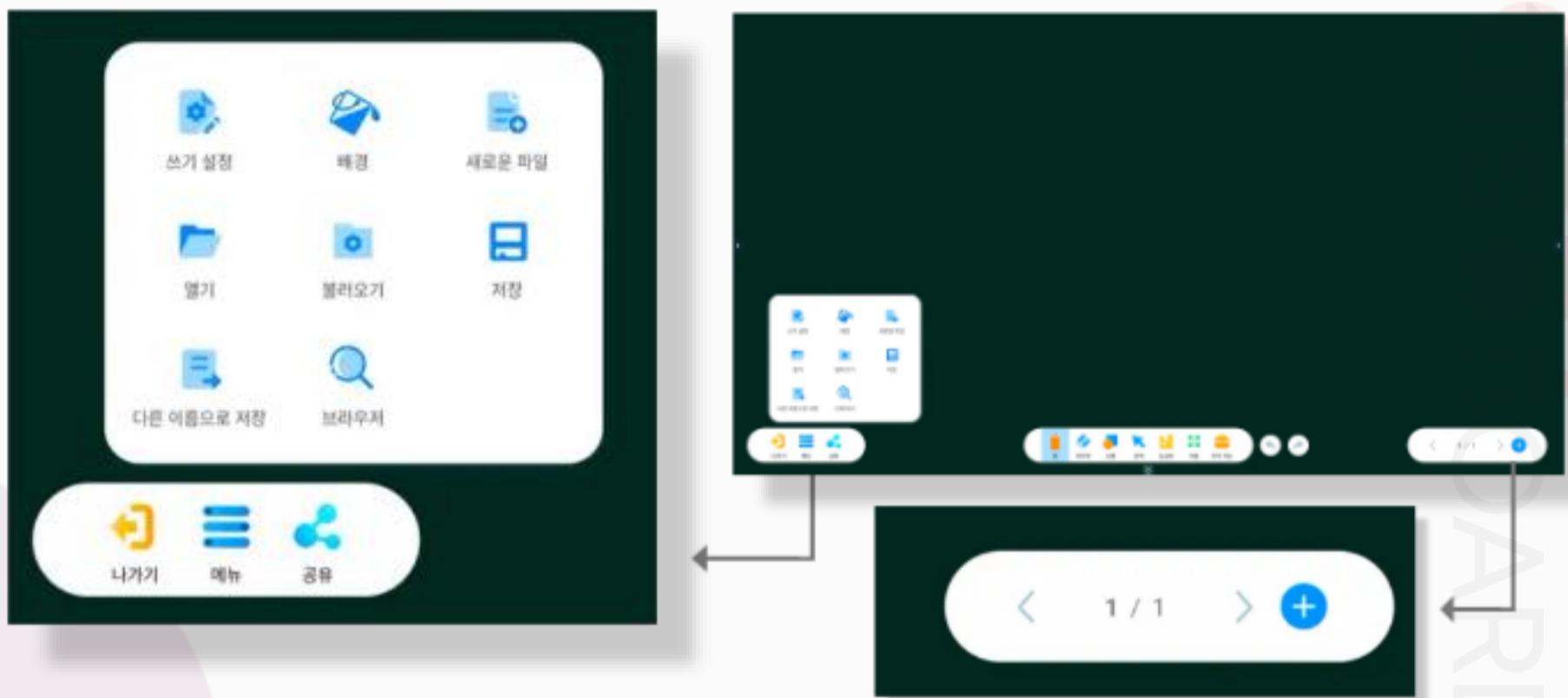
	Exit	Closes the whiteboard.
	Share	Shares the board content via email or QR code.
	Menu	Opens or closes the menu.
	Pen Settings	Configures pen settings and handwriting recognition.
	Background	Changes the background color and style.
	New File	Creates a new file.
	Open	Opens PDF files or native format files (.iwb / .ubc / .svg).
	Import	Imports image or video files.
	Save	Saves the board content in the native format.
	Save As	Saves the board content under a different name. (.jpeg / .png / .pdf / .iwb / .ubc / .svg)
	Browser	Opens the web browser.
	Move Whiteboard	Moves to the previous or next whiteboard page.
	Add Whiteboard	Adds a new blank whiteboard page.

File Manager

1	Storage	Displays file storage locations. (Interactive flat panel device, USB storage, etc.)
2	Search	Searches for files or folders.
3	＋	Creates a new folder.
	▦	Selects grid view layout.
	≡	Selects list view layout.
4	File Type Filter	Filters files by the selected file type.
5	↑↓	Selects the sorting method.
	✓≡	Selects multiple files, selects all files, or clears selection.
6	←]	Closes the file manager.
	⧉	Copies the selected files.
	✂	Cuts the selected files.
	⎗	Pastes the copied or cut files.
	≡]	Renames the selected file.
	🗑	Deletes the selected file.

Eshare (Mirroring)

장치 이름:EShare-5930   핫스팟   ⚙ 환경설정

모바일 앱	윈도우 클라이언트	애플 클라이언트
1.QR 코드를 열고 스캔하여 애플리케이션을 설치합니다.	1. www.eshare.app 을(를) 입력하고 스크린 프로젝션 소프트웨어를 다운로드하십시오.	1.무선 핫스팟에 연결합니다.
2.전화를 로컬 핫스팟 또는 동일한 네트워크에 연결하십시오.	2.장치 핫스팟 또는 장치와 동일한 네트워크에 연결하십시오.	2.Iphone 또는 ipad는 airplay를 선택하고 장치 이름을 선택합니다.
3.응용 프로그램을 열고 장치 이름을 선택하십시오.	3.컴퓨터 측 프로젝션 소프트웨어를 열고 장치 이름을 선택하십시오.	3.Apple 컴퓨터는 화면 미러링을 선택하고 장치 이름을 선택합니다.

Swipe left on the Home screen to open the EShare (Mirroring) page.

설정

장치 이름: EShare-5930 ☑ ↻

연결 모드: 장치 이름 ▾

비밀번호: ── ☑ ↻

장치 이름 창:

분할 화면: 4 분할 ▾

디스플레이 모드: 자동 ▾

미러링 장치 이름 표시:

핫스팟 비밀번호 표시:

자동 전체 화면:

부팅 시 자동 시작:

AirPlay 표시:

Miracast:

GoogleCast:

🔒 전송 설정에 대한 관리자 잠금

업데이트 확인

닫기

로그 보기 활동   v7.6.0811.all 인증됨 (ec:74:cd:32:57:47)
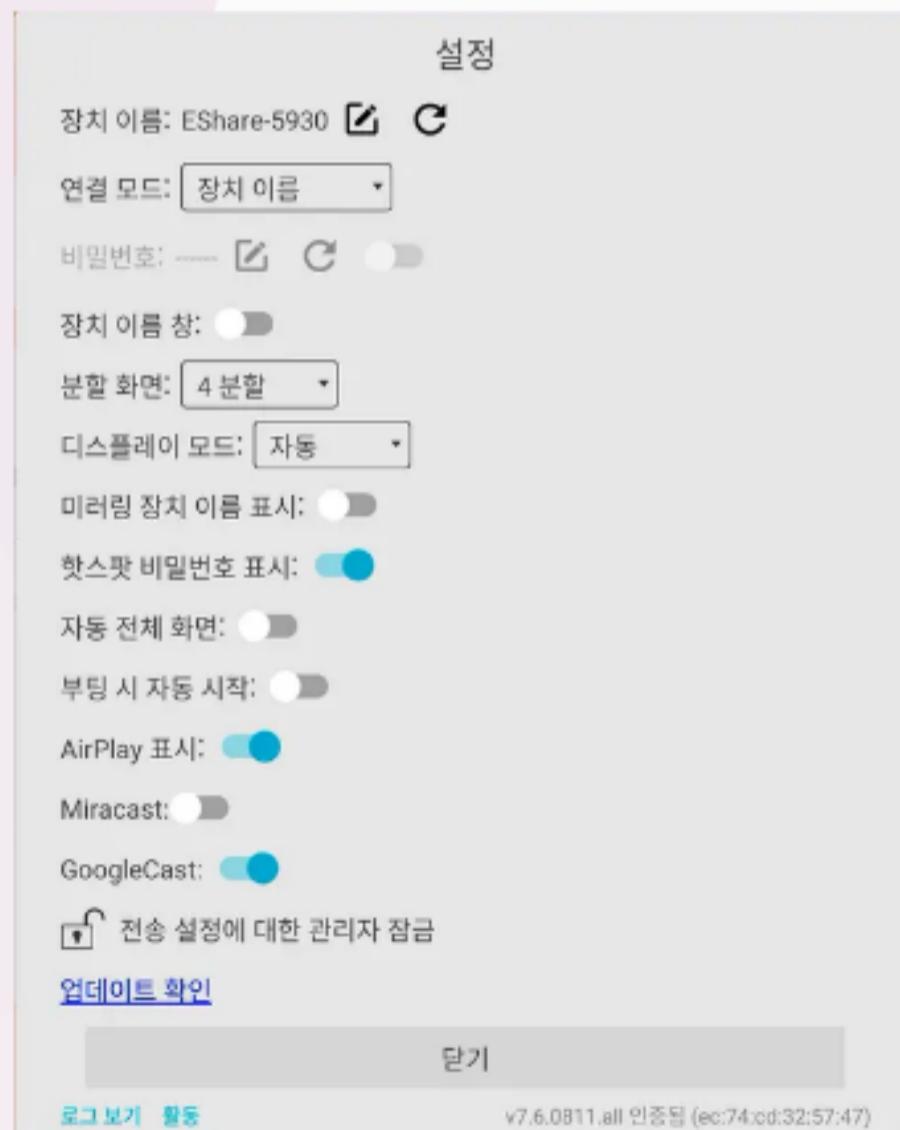
- *Connect the interactive flat panel and the mobile device to the same hotspot or network.*

- *Detailed settings can be configured through the Settings menu.*

CAMERA (Optional)

• You can conduct video conferences using the built-in camera.
(A separate video conferencing application is required.)
• You can capture textbooks or meeting materials using the camera and display them on the screen.

크기

조정

회전

크기
크기조정
회전

Exit

Hz Selection

Annotation

Menu Settings

Camera Selection

Camera

QR Sharing

Screen Split

Resolution Settings

Video Recording

Export Image
to Whiteboard

Select Image to Insert

2-Split Screen

4-Split Screen

Exit Split
Screen Mode
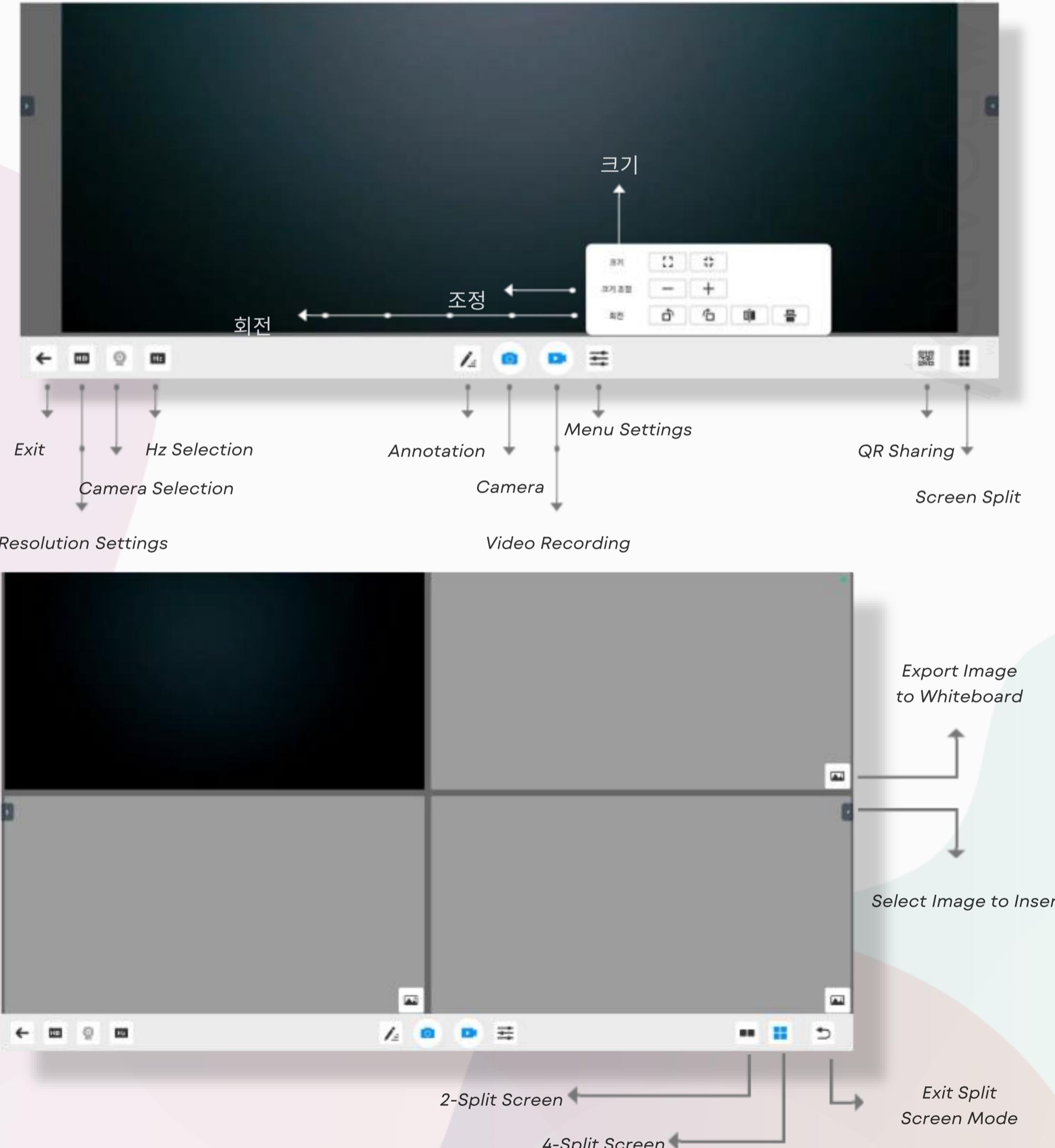
Troubleshooting

If you have additional questions regarding the use of the interactive flat panel after reading this manual, please contact the manufacturer or your authorized dealer. Before contacting the service center, check the symptoms below and try the suggested solutions first.

Remote Control

The remote control does not work.	• Check that the power cord is properly connected. • Make sure the batteries are inserted in the correct orientation. • The batteries may be depleted. Replace the batteries.

Video and Audio

No picture or sound.	• Check that the power cord is properly connected. • Press the POWER button on the interactive flat panel or the remote control. • Make sure no other external input source is connected.
Sound is present, but there is no picture or the picture is too dark.	• Check that the power cord is properly connected. • Adjust the brightness setting in the display settings. • Check the connection of the external input source.
The picture color is abnormal, too dark, or distorted.	• Adjust the color settings in the display menu.
The picture is displayed normally, but there is no sound.	• The sound may be muted. Cancel MUTE mode. • Check that the audio output is correct, or test with another speaker source.
Noise is heard in the audio.	• Wireless transmission devices near the interactive flat panel (e.g., wireless microphones or headsets) may cause interference. • Move such wireless devices away from the interactive flat panel to eliminate noise.

General

Some menu items cannot be accessed.	• Items shown in gray indicate that the function is not available in the current input mode. • Some display menu items may appear differently depending on the connected source.
The remote control does not work in certain situations.	• If a USB storage device is connected while the interactive flat panel is powered on or removed while powered on, the display may not respond to the remote control. • Wait a moment until the remote control becomes operational.
The control buttons do not work.	• Unplug the power cord from the interactive flat panel and wait for a short time. • Reconnect the power cord and turn the product on again.
The interactive flat panel switches to standby mode when an external device or PC enters sleep mode.	• Change the power or sleep settings of the external device or PC.
Moisture (condensation) appears on the screen.	• This may occur due to temperature differences between the screen and the surrounding environment. • When warm air contacts a cold surface, condensation may form. • This phenomenon does not affect normal operation and will disappear after the product has been used for a period of time.

Product Specifications

Screen Size	55 inch	65 inch	75 inch	86 inch
Rated Voltage	100-240V-50/60Hz	100-240V-50/60Hz	100-240V-50/60Hz	100-240V-50/60Hz
Rated Current	3.2 A	3.5 A	4.0 A	5.1 A
Power Consumption	320 W	350 W	400 W	510 W
Standby Power	≤0.5 W	≤0.5 W	≤0.5 W	≤0.5 W
Resolution	3840x2160	3840x2160	3840x2160	3840x2160
Cover Glass	Tempered Glass (3 mm) Etched Anti-Glare	Tempered Glass (3 mm) Etched Anti-Glare	Tempered Glass (3 mm) Etched Anti-Glare	Tempered Glass (3 mm) Etched Anti-Glare
VESA	400 x 400 mm, M8x25	600 x 400 mm, M8x25	800 x 600 mm, M8x25	800 x 600 mm, M8x25
Dimensions (W × H × D)	1,271x791x83 mm	1,490x915x84 mm	1,714x1043x84 mm	1,959x1180x84 mm
Weight	26 kg	40 kg	50 kg	86 kg
Operating Conditions	• Operating temperature: 0°C to 40°C • Storage temperature: −15°C to 45°C • Operating humidity: 20% to 80% • Storage humidity: 10% to 80% (non-condensing) • Atmospheric pressure: 86 kPa to 106 kPa			
I/O Ports				
HDMI OUT	1			
USB C	2			
USB	6			
DP IN	1			
HDMI IN	3			
TOUCH OUT	2			
PC IN	1			
S/PDIF	1			
EARPHONE	1			
LAN	2			
RS-232C	1			
MIC IN	1			
WIFI	802.11 a/b/g/n/ac/ax			
Bluetooth	V5.3			

• Design and specifications are subject to change without prior notice.

• The listed weight and dimensions are approximate. If advance construction is required, please contact the manufacturer for detailed drawings.

• Specifications and appearance may be changed for product improvement.

• Depending on various standby conditions, the standby power consumption of some models may exceed 0.5 W.

RoHS 2 Declaration of Conformity

• This product has been designed and manufactured in compliance with Directive 2011/65/EU (RoHS 2) of the European Parliament and of the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

• As shown in the table below, this product is considered to comply with the maximum concentration values issued by the Technical Adaptation Committee (TAC).

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

RoHS 2 Exemptions and Component Examples

• The homogeneous materials of the components listed above comply with the RoHS 2 Directive and meet the exemption requirements specified in Annex III of the directive.

Examples of Exempted Components

• Copper alloy containing up to 4% lead by weight (excluding CCF and EETL)
  - Turned copper alloy parts (diameter ≤ 500 mm): lead content ≤ 3.5%
  - Copper alloy parts (diameter ≤ 500 mm): lead content ≤ 0.5%
  - Copper alloy parts (diameter > 500 mm): lead content ≤ 1.3%
• Glass of cathode ray tubes (CRT)
• Lead content in glass:
  - Optical glass containing up to 0.2% lead by weight
  - Other glass containing up to 0.4% lead by weight
• High-melting-temperature solders (lead-based alloys containing 85% or more lead by weight)
• Electrical and electronic components containing lead in ceramic materials (e.g., piezoelectric devices), excluding ceramic capacitors.

Index

QLED PRO Series
ULTRA Series

PRO — QLEDT
Quantum Dot Touch — Interactive Flat Panel

Thai Created.
Thai Used.
Thai Sustainable.

ULTRA
Interactive Flat Panel

Thai Created.
Thai Used.
Thai Sustainable.

TIIS BOARD
Interactive White Board
User's Manual