



# InstaShare™ Button Solution User Manual

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The illustrations and the images in this guide are for your reference.

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# Introduction

InstaShare Button Solution is a wireless screen sharing solution that allows users to display their notebooks or other personal devices to a presentation display without needing to install software or drivers.



- “InstaShare Button Solution” will hereinafter be referred to as “the product” in this document.
- “InstaShare Button/Buttons” will hereinafter be referred to as “Button”/“Buttons” in this document.
- “Wireless USB Adapter” will hereinafter be referred to as “wireless adapter” in this document.



Your product complies with local wireless regulations and the warranties are valid in the country/region where the product is purchased. Using the product outside the purchased country/region does not guarantee wireless functionality. Any modifications made to the product will void the warranties.

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## Product features

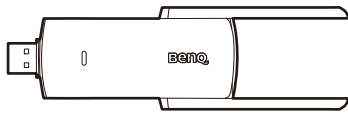
The product is equipped with the following features:

Features	Description
Plug & Play	Simply connect the product to the USB Type-C port, then press the present key to start screen sharing.
No Software and drivers	The product doesn't need any software or driver installation. Just plug and share with your Windows, macOS, Chrome, or any other devices with a full-featured USB Type-C port.
Smart split-screen	Up to nine users can simultaneously project their screen with <b>InstaShare 2</b> . The layout of the screens will automatically adjust to the number of screens being shared.
Touch Back	You can control your personal device by tapping on the interactive display.
Wireless 802.11 ac/n	Better wireless connectivity for smooth presentations.
Ultra HD 4K Video	4K Ultra HD video with stereo sound.
Extended Desktop	Mirror or extend your desktop with Windows or OS X.

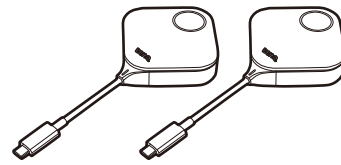


- Check which displays are compatible with InstaShare Button: Go to [www.benq.com](http://www.benq.com) > search "TZY31"(model name) > check out the **Specifications** tab on the product page.
- Touch back is available on Windows & Mac.
- Transmission distance depends on many environmental factors. Stated transmission distance is based on direct line-of-sight.
- According to regulatory restrictions in different regions of the world, Wi-Fi channels cannot be used in countries outside the purchased region.

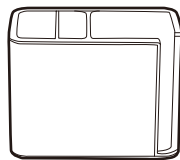
# Package contents



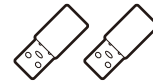
Wireless USB Adapter



InstaShare Buttons



InstaShare Dock



Type-C to Type-A USB Adapters



Quick Start Guide



Regulatory Statements



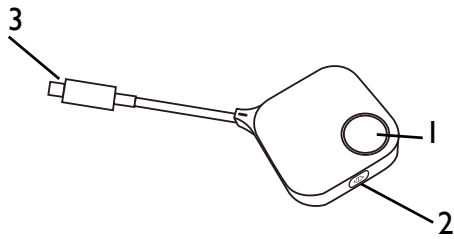
- Available accessories and the pictures shown here may differ from the actual contents and the product supplied for your region.
- Use original accessories to ensure compatibility.
- Always keep the product and accessories out of reach of children.

## Product specifications

InstaShare Button (TWY31)	
Color	Silver
Wireless transmission frame rate (Casting mode)	Up to 60 FPS depending on environment (1080P 60FPS/4K 30FPS)
Wireless transmission frame rate (BYOM mode)	Up to 1080P 30 FPS depending on environment
Button input resolution (Casting mode)	Up to 4K 30 FPS
Button input resolution (BYOM mode)	Up to 720P 30 FPS
Audio rate	Stereo, Radio quality 16bits 48KHz
Wi-Fi standard	IEEE 802.11ac 5GHz, 2T2R MIMO
Authentication protocol	WiFi Standard
Simultaneous connections	9
Wireless security (encryption)	WPA2 Personal (WPA2-PSK)
Wireless range	Max. 15m (between Button and IFP)
Temperature range	Operating: 0°C to +40°C (+32°F to +104°F)
	Storage: -10°C to +60°C (+14°F to +140°F)
Humidity range	Operating: 10% to 80% relative humidity
	Storage: 5% to 90% relative humidity (non-condensing)
Cable	USB Type-C
Power supply	DC 5V±10%, Minimum 0.9A
Power consumption	Max 4.5W Full Loading
Dimensions (WxHxD)	67mm x 67mm x 23.2mm
Wireless USB Adapter (TDY31)	
Color	Black
Wi-Fi standard	802.11 a/b/g/n/ac
Interface	USB 3.0
Wi-Fi band	Dual Band 2.4GHz / 5GHz
MU-MIMO	Yes
Wi-Fi performance	2.4 GHz Band: up to 400 Mbps 5 GHz Band: up to 867 Mbps
External antennas	2
Supported OS	Android
Wireless range	Max. 15m (between Wireless Adapter and IFP)
Security	WPA-PSK/WPA2-PSK WPA/WPA2/WEP
Dimension (LxHxW)	137 x 41 x 12mm
Net weight	0.025 kg
Operation temperature	0°C – 40°C
Operation humidity	10% – 90%
Storage temperature	-40°C – 70°C
Storage humidity	5% – 90%
InstaShare Dock (TCY31)	
Color	Black
Dimension (LxHxW)	150 x 85 x 106 mm
Product material	PC+ABS & Aluminum alloy 6063 & Silica gel
Weight	420 g
InstaShare Button loading quantity	4 pcs

# Overview

## Button



1. **Present key with LED indicator**  
Press to start or stop presenting.
2. **Full-screen key**  
Press to toggle between enlarged view or regular view during split-screen presentations.
3. **USB Type-C connector**  
Connect to a computer or laptop.

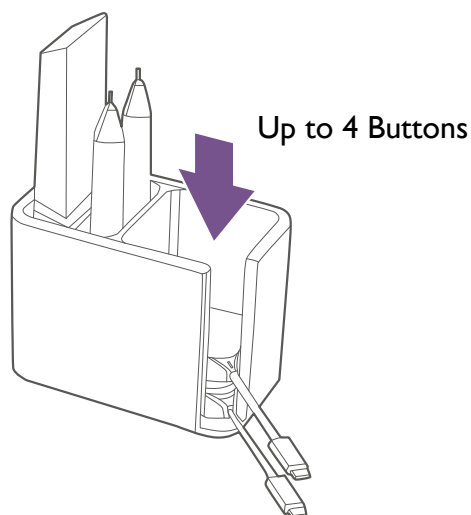
## LED indicator for the Button

Please refer to the table below for detailed indicator and status descriptions for the Button.

LED Behavior	Status description
Solid white	The Button is initializing.
Blinking green	The Button is connecting to the BenQ Board.
Solid green	<ul style="list-style-type: none"><li>• When pairing: The Button is ready for setup.</li><li>• When sharing: The Button is ready for sharing.</li></ul>
Solid blue	<ul style="list-style-type: none"><li>• When pairing: The Button setup is complete.</li><li>• When sharing: The Button is sharing your screen.</li></ul>
Blinking red	<p>An error has occurred. Ensure the following:</p> <ul style="list-style-type: none"><li>• The InstaShare Button mode is enabled on the board.</li><li>• The Button is correctly paired with your board.</li><li>• The Button is within 15m (49ft) of the board.</li></ul>

## Storing Buttons in the InstaShare Dock

You can store up to four Buttons in the InstaShare Dock along with additional accessories such as styluses and remote control.





# Using InstaShare Button Solution

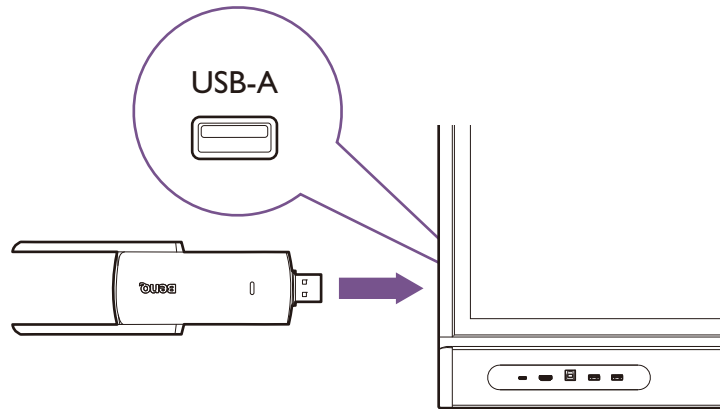
To share content to your BenQ Board from any laptop with InstaShare Button, use one of the options below;

- [Option 1: Download InstaShare Button App for quick connection & BYOM mode \(Recommended\)](#)
- [Option 2: Pair your Button through InstaShare 2](#)


## Option 1: Download InstaShare Button App for quick connection & BYOM mode

### Connecting the wireless adapter


To begin using InstaShare Button, you must first install the wireless adapter to a USB Type-A port on your display. It is recommended that you use a USB 3.0.



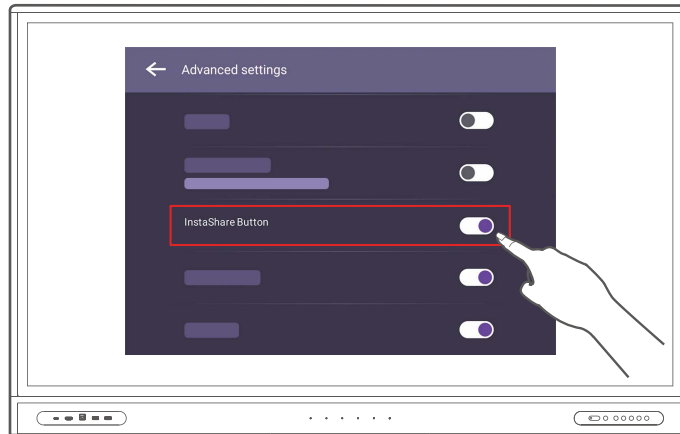
### Enabling InstaShare Button mode

1. On the BenQ Board, tap  > **BenQ App Store**.
2. Download and install the **InstaShare Button** app.



3. Tap  > **Device** > **Advanced Settings**.

#### 4. Enable InstaShare Button.




#### 5. Tap **Restart**.

### Pairing your InstaShare Button

#### 1. On the BenQ Board, tap > **InstaShare Button**.



#### 2. Connect the InstaShare Button to your BenQ Board's front USB-C port.


 If a new firmware version is available, you will receive a notification. Follow the steps on screen to update the firmware.

#### 3. Wait for the dialog box to appear then tap **OK**.

#### 4. Enter a Button name then tap **OK** > **Close**.

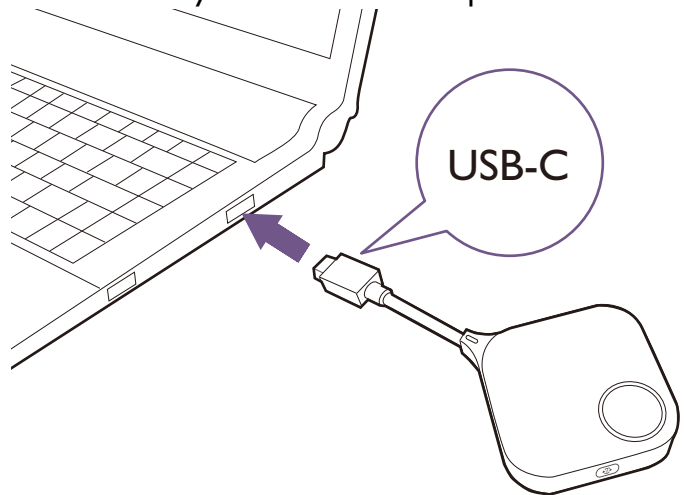
#### 5. Remove the Button from the board.

### Sharing your screen

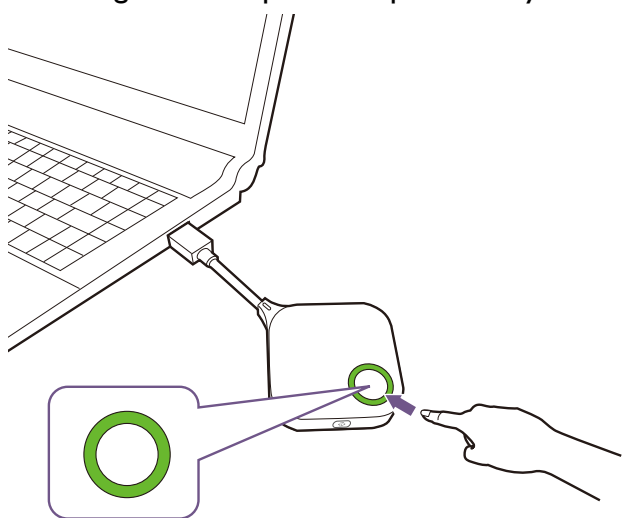
 Ensure that your laptop supports video output and power delivery via USB Type-C port (Display Port Alternate Mode on USB Type-C).

#### 1. On the BenQ Board, tap > **InstaShare Button**.

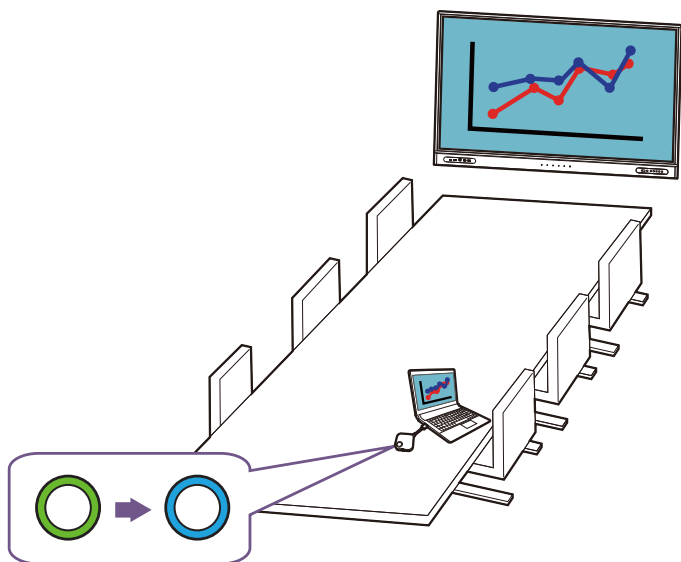
2. Connect the InstaShare Button to your device's USB-C port.



3. Wait for the LED to turn solid green then press the present key.



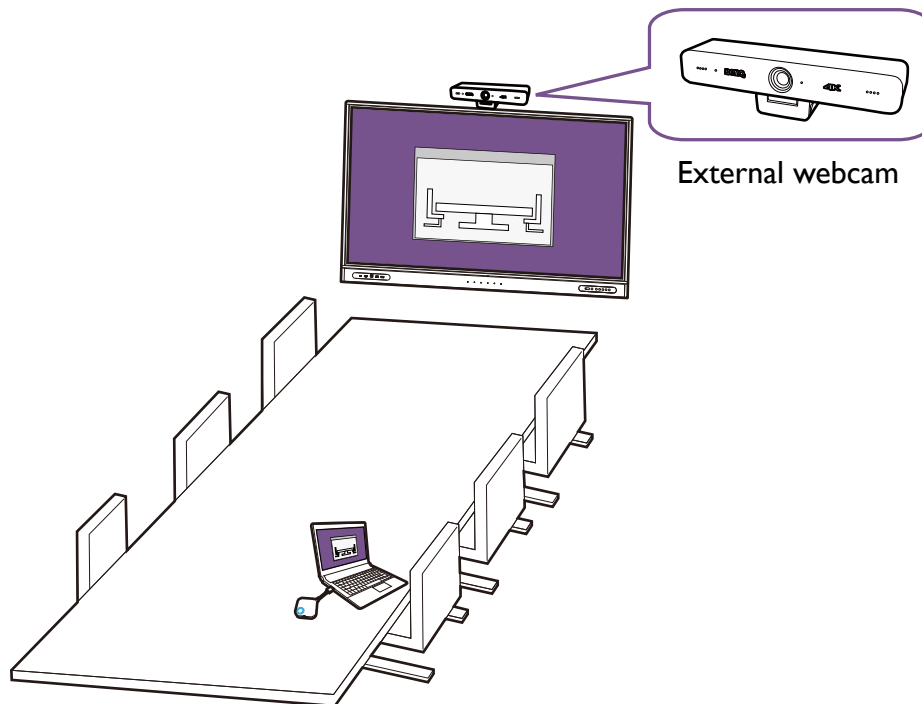
4. The LED turns blue, and your laptop screen is shared on the BenQ Board.



Press  on the side of the InstaShare Button to toggle between the full-screen and split-screen modes.


## Bring your own meeting (BYOM): Using the webcam, speakers and microphone of your BenQ Board

When a Button is connected to a device and presenting, the device will also be able to make use of any combination of the display's speakers, microphone, or webcam (connected externally). Users can switch between the audio/video channels of either their device or BenQ Board based on what is suitable for their setting.



## Updating InstaShare Button firmware through BenQ Board

If a new firmware version is available, you will receive a notification when you connect the button to your BenQ Board.

1. On the BenQ Board, tap  > **InstaShare Button**.
2. Connect the InstaShare Button to your BenQ Board's front USB-C port.
3. Tap **Update Now**. The BenQ Board installs the update then displays a confirmation message.
4. Tap **Close**.

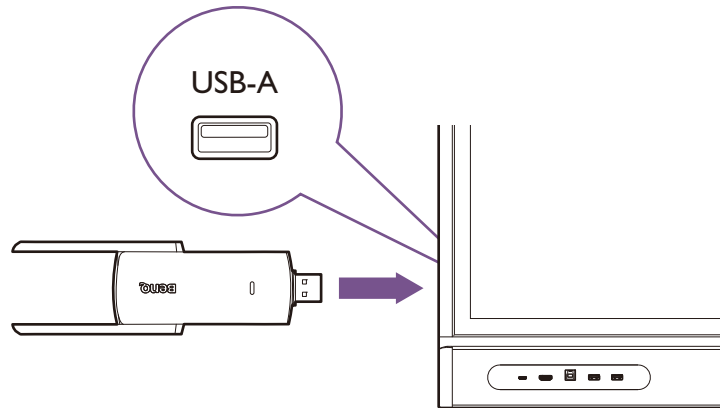


You can also run the firmware upgrade tool on a Windows device. See [Upgrading InstaShare Button firmware on Windows device on page 21](#) for details.

## Option 2: Pair your Button through InstaShare 2

### Connecting the wireless adapter

To begin using InstaShare Button, you must first install the wireless adapter to a USB Type-A port on your display. It is recommended that you use a USB 3.0.

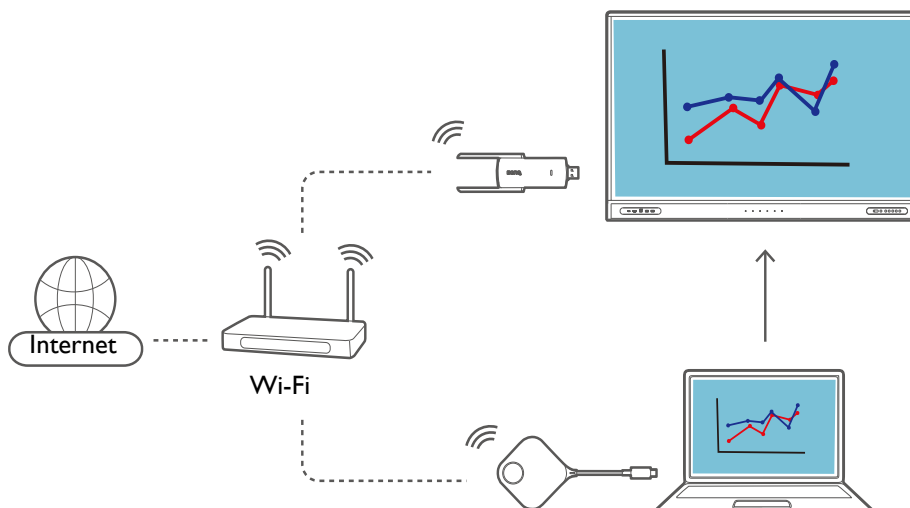


### Pairing a Button to the wireless adapter

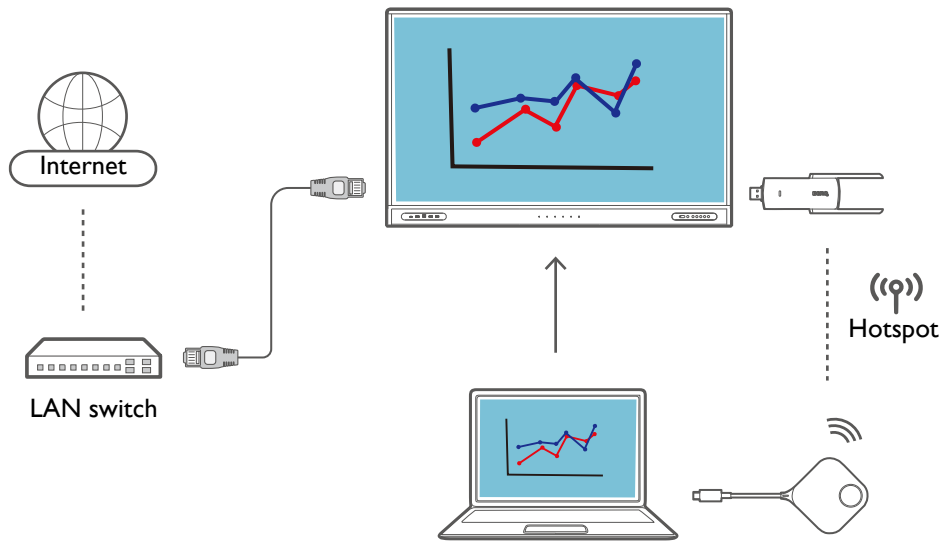
Depending on your Internet environment, you can pair your Button and wireless adapter through Wi-Fi or Hotspot mode.

Find the connection mode that best suits you:

**A. Wifi mode:** With a Wi-Fi router, you can connect your wireless adapter and Button to the same Wi-Fi to enjoy a stable casting experience. See [Pairing a Button to the wireless adapter through Wi-Fi](#) for details.

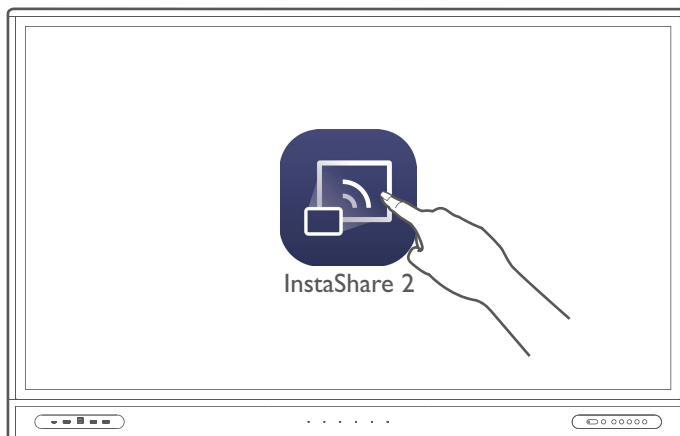


**B. Hotspot mode:** If your IFP is connected to the Internet via Ethernet, use Hotspot mode to link your Button with the wireless adapter. See [Pairing a Button to the wireless adapter through hotspot](#) for details.

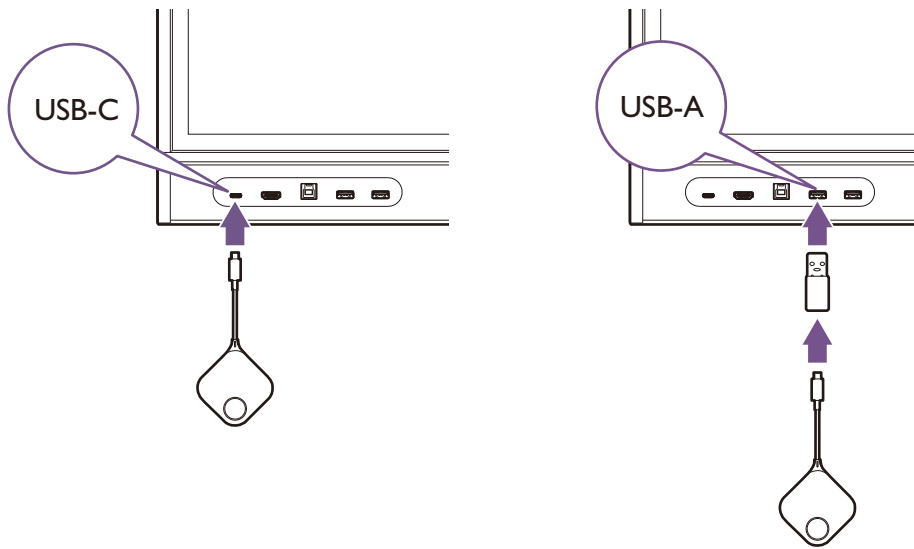


### Pairing a Button to the wireless adapter through Wi-Fi

1. Ensure that the wireless adapter is connected to your display and that the display is powered on.
2. On the display, go to **Settings** (⚙️) > **Network** > **Wi-Fi**.
  - a. Touch the network's name to connect to the network.
  - b. Key in the Wi-Fi password and press **Connect**.
3. Launch the **InstaShare 2** app on the display.

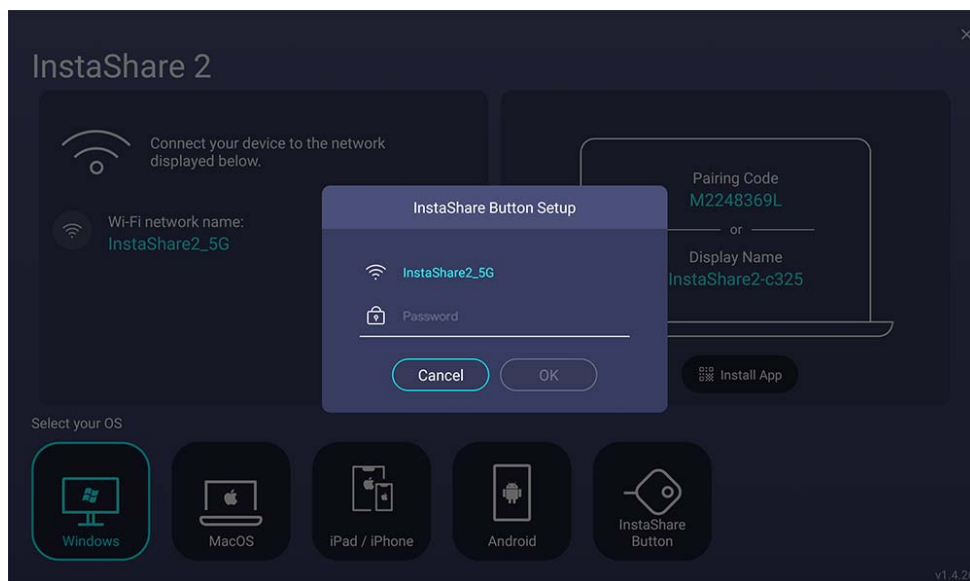


4. Connect a Button to either a USB Type-C port or USB Type-A port (using the supplied Type-C to Type-A USB adapter) on your display. A setup window will launch.



RP02 series models and VC01A only support pairing through the USB Type-A port.

5. Key-in the Wi-Fi password again and tap **OK**.

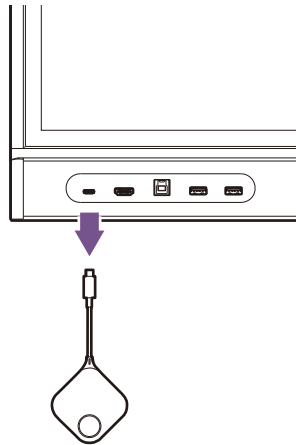


6. Specify a name for the Button, then tap **OK**.

- Once the pairing process is complete, a confirmation window will appear on the display and the LED on the Button will turn blue.



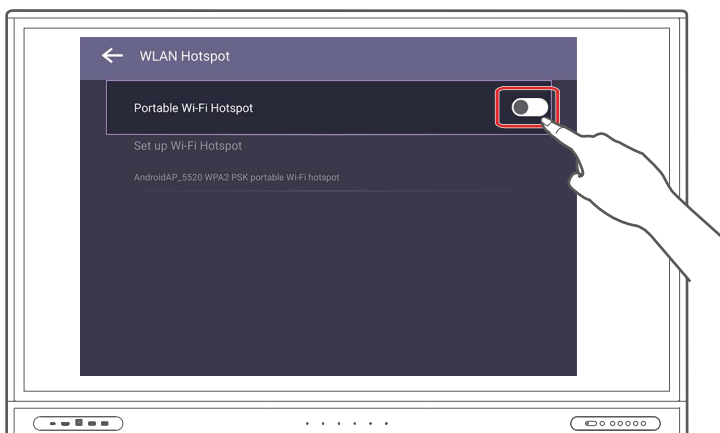
- Remove the Button from the display.



- Repeat the process for additional Buttons.

### Pairing a Button to the wireless adapter through hotspot

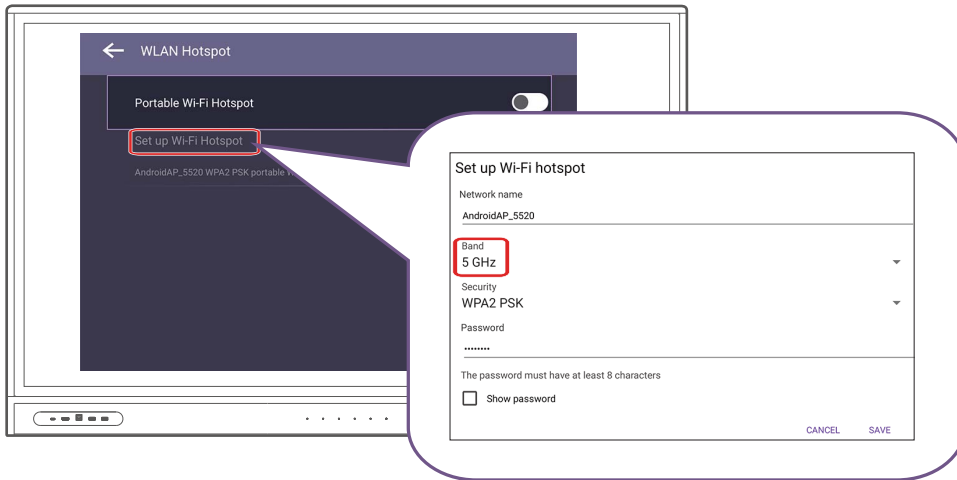
- Ensure that the wireless adapter is connected to your display and that the display is powered on.
- On the display, go to **Settings** (⚙️) > **Network** > **WLAN Hotspot** (📶).
  - Enable **Portable Wi-Fi Hotspot**.



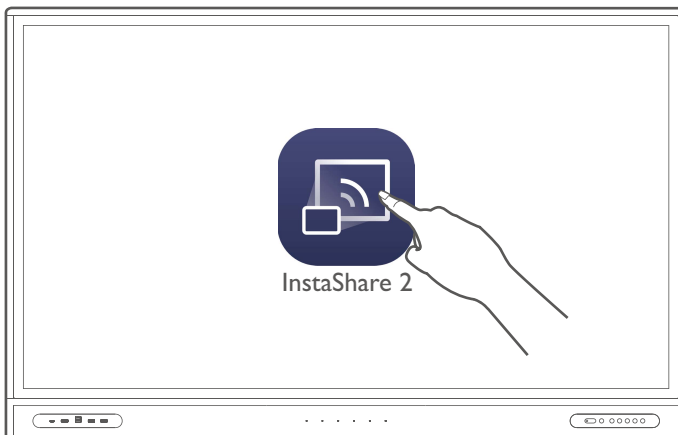


b. Tap **Set up Wi-Fi Hotspot**, then set **Band** to **5 GHz**.

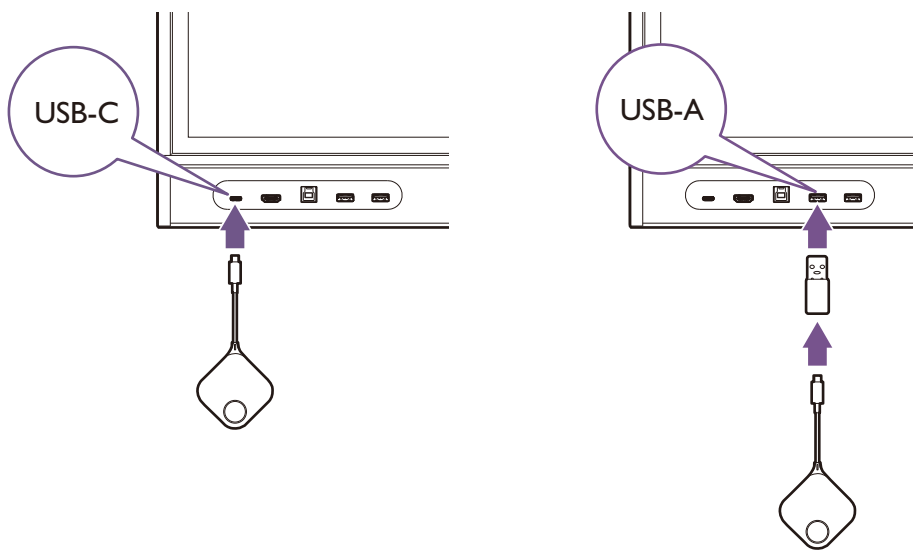
 For RP03, set **Band** to **2.4 GHz**.



3. Launch the **InstaShare 2** app on the display.



4. Connect a Button to either a USB Type-C port or USB Type-A port (using the supplied Type-C to Type-A USB adapter) on your display. A setup window will launch.

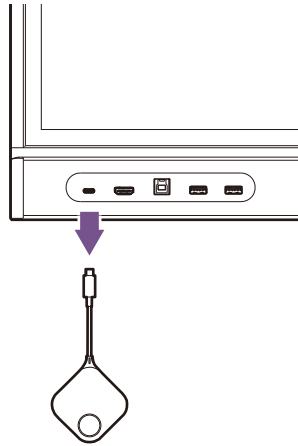


RP02 series models and VC01A only support pairing through the USB Type-A port.

5. Specify a name for the Button, then tap **OK**.
6. Once the pairing process is complete, a confirmation window will appear on the display and the LED on the Button will turn blue.



7. Remove the Button from the display.



8. Repeat the process for additional Buttons.

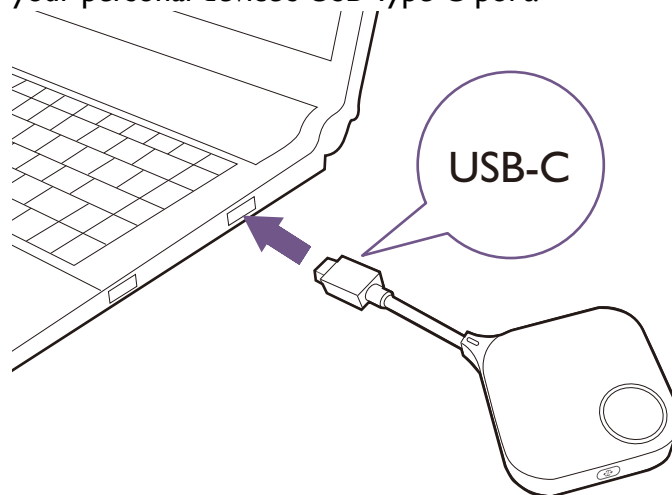
## Sharing your screen



Ensure that your laptop supports video output and power delivery via USB Type-C port (Display Port Alternate Mode on USB Type-C).

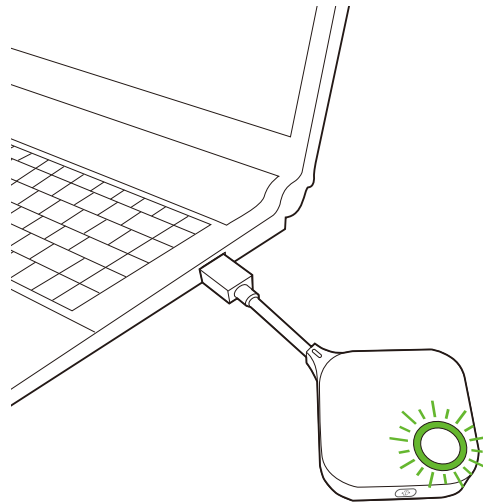
To start a presentation:

1. Ensure that your Button has already been paired to the wireless adapter connected to the display. See [Pairing a Button to the wireless adapter on page 10](#) for more information.
2. Launch the **InstaShare 2** app on the display.
3. Insert a Button into your personal device's USB Type-C port.

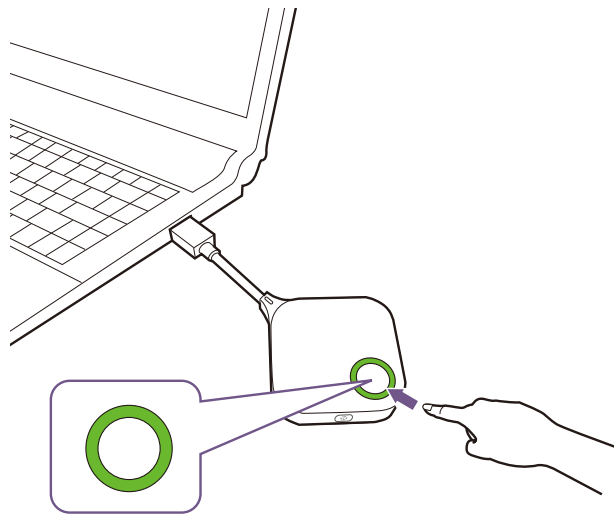


The Button will not work using the supplied Type-C-to-Type-A adapter. The adapter is only for the pairing process.

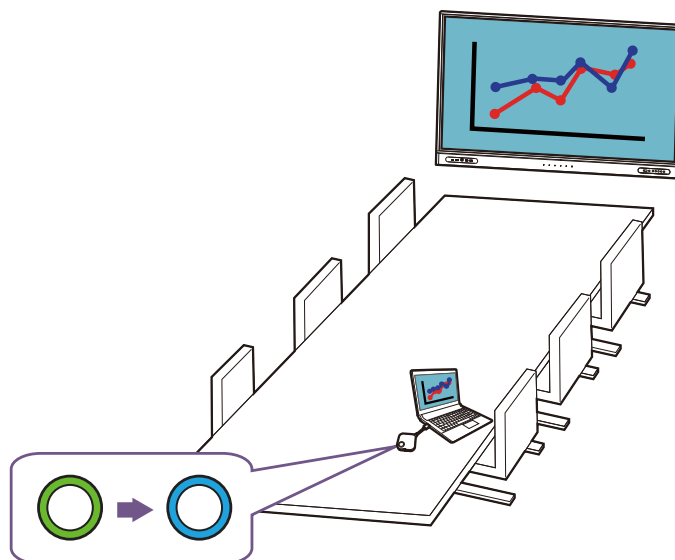
4. The LED on the Button will flash green for about 10 seconds.



5. When the LED turns solid green, press the present key to begin presenting.



Your personal device's screen will be shared on the BenQ smart display and the LED on the Button will turn solid blue.



- Make sure the transmission distance between the Button and wireless adapter is within 15 m and with no obstacles in between.
- The product supports MacBooks and Windows laptops to mirror an extended desktop.

## Split-screen presentations

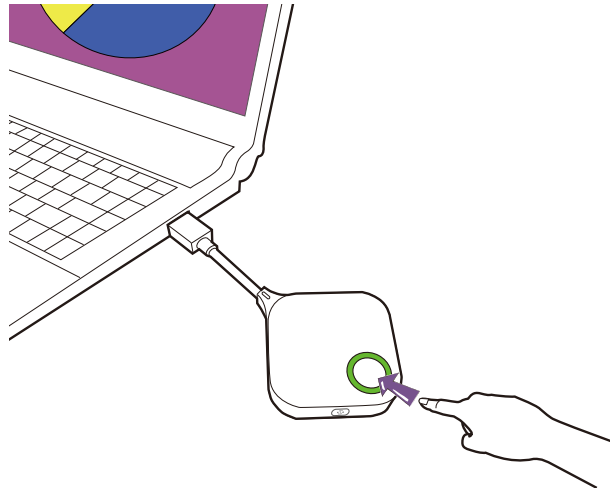
The product allows up to nine users to present simultaneously in a split-screen mode.

### Sharing multiple screens



Ensure that all Buttons have already been paired to the wireless adapter connected to the display. See [Pairing a Button to the wireless adapter on page 10](#) for more information.

1. Launch the **InstaShare 2** app on the display.
2. Press the present key on the Button to start sharing your screen. See [Sharing your screen on page 16](#) for detailed steps.



3. Repeat step 1 for additional screens to be shared. InstaShare 2 will automatically switch to split-screen mode.



The layout of the split-screen presentation will be dictated by the amount of users in the presentation.

## Maximize one window in split-screen mode

Users can maximize their screen by pressing the full-screen key on the Button.



To return to the split-screen presentation, press the full-screen key again.

## Touch back

To use touchback, simply tap on the BenQ smart display to control the connected PC.

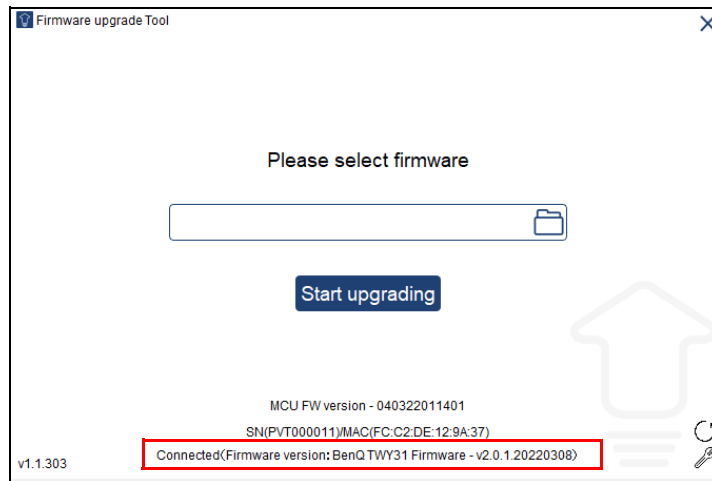


Touchback is only available on Mac & Windows PCs and is not supported during multi-screen sharing.

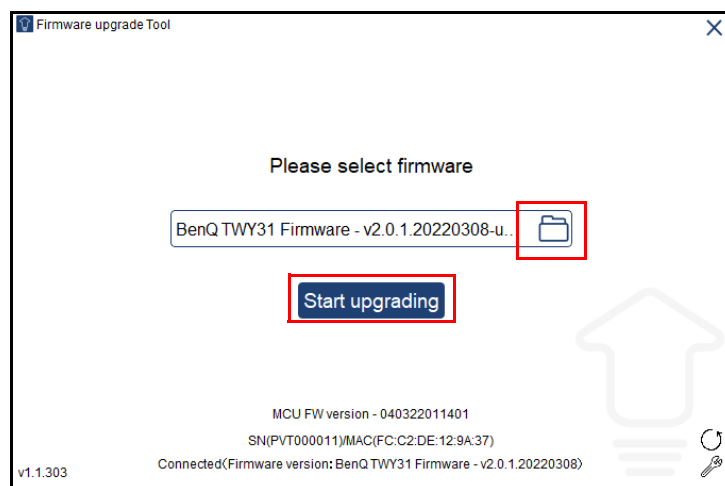
## Upgrading InstaShare Button firmware on Windows device

Users may contact BenQ support to get the latest firmware upgrade tool and firmware package.

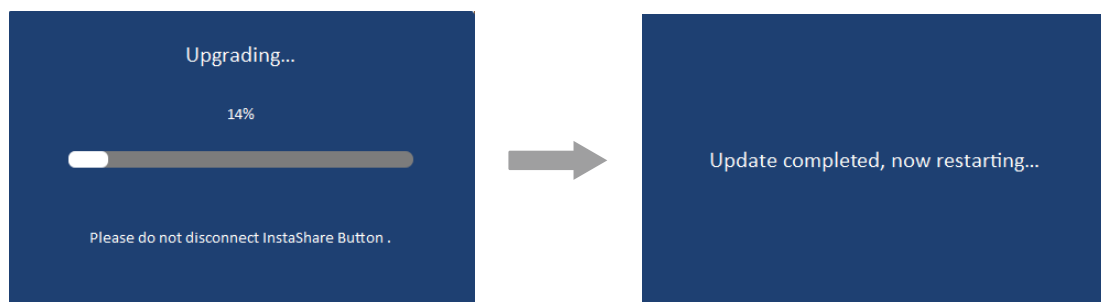
1. Run the firmware upgrade tool ( `EShareUpdateTool_v1.1.303.exe` ) on a Windows device.
2. Insert the Button into the laptop's USB Type-C port. A message with the button's current firmware version will appear.



3. Select the firmware package (do not unzip) and click **Start upgrading**.



4. A window will appear stating that the firmware has successfully updated and will not restart.



5. Remove and re-connect the Button to your laptop to verify the updated firmware version.