

Firmware Upgrade

The **Firmware Upgrade** sub-menu allows you to check for and execute firmware upgrades for the Receiver (via the **Receiver Firmware Upgrade** sub-menu), Button (via the **Button Firmware Upgrade** sub-menu), Host Button (via the **Host Button Firmware Upgrade** sub-menu), and Multimedia Hub (via the **Multimedia Hub Firmware Upgrade** sub-menu)..

Before checking for a new firmware upgrade for your Receiver or Button, first ensure that the Receiver is connected to a router with access to the Internet. For upgrades to the Button's firmware also ensure that the Button is paired and connected to the Receiver.

BenQ English Logout

Information
WAN
Wireless Network
Pairing
Display
Advanced Setting
System Time
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Password Setup
Firmware Upgrade
Configuration Management
Log Setting
Legal Announcement
Configuration Management
Log Setting
Legal Announcement

Receiver Firmware Upgrade

Current Firmware Versions	25(R)_1.00.00 / 25(T)_1.00.00 / VS25(HT)_1.00.00 / VS25(MT)_1.00.00
OTA	New Firmware Check ☒ Periodical Check
New Firmwares Versions on OTA Server	No newer firmware
Firmware File	☒ From OTA Server ☐ From Local File
Upgrade InstaShow Receiver	Firmware Upgrade

Button Firmware Upgrade

Firmware File	☒ From Receiver (25(T)_1.00.00) ☐ From Local File
Upgrade selected InstaShow button	Firmware Upgrade

Host Button Firmware Upgrade

Firmware File	☒ From Receiver (VS25(HT)_1.00.00) ☐ From Local File
Upgrade selected InstaShow button	Firmware Upgrade

Multimedia Hub Firmware Upgrade

Firmware File	☒ From Receiver (VS25(MT)_1.00.00) ☐ From Local File
Upgrade selected InstaShow multimedia hub	Firmware Upgrade

Warning
Don't power off or press the reset button during the process of firmware upgrading.
Don't close the window during the process of firmware upgrading.

To check if firmware upgrades are available for the Receiver and/or Button click the **New Firmware Check** button in the **Receiver Firmware Upgrade** sub-menu for the device.

Receiver Firmware Upgrade

Current Firmware Versions	25(R)_0.60.00 / 25(T)_1.00.00
OTA	New Firmware Check ☒ Periodical Check
New Firmware Versions on OTA Server	No newer firmware
Firmware File	☒ From OTA Server ☐ From Local File
Upgrade InstaShow receiver	Firmware Upgrade



- To have the Receiver or Button periodically check for firmware upgrades check the **Periodical Check** box in the **Receiver Firmware Upgrade** sub-menu for the device.
- Periodic checks for upgrades can only occur when the Receiver is connected via the WAN port to a router with access to the Internet.

Receiver Firmware Upgrade

If a new firmware upgrade is available the new firmware version will be listed in the **New Firmwares Versions on OTA Server** field.

To perform an OTA upgrade of the Receiver's firmware:

1. Select **From OTA Server** in the **Firmware File** field.
2. Click the **Firmware Upgrade** button in the **Upgrade InstaShow Receiver** field.

The screenshot shows the 'Receiver Firmware Upgrade' interface. It has a table-like structure with the following fields:

Current Firmware Versions	25(R)_0.60.00 / 25(T)_1.00.00
OTA	New Firmware Check ☒ Periodical Check
New Firmware Versions on OTA Server	25(R)_1.10.00
Firmware File	☒ From OTA Server ☐ From Local File
Upgrade InstaShow receiver	Firmware Upgrade



To perform an OTA upgrade ensure that the Receiver is connected to a router with access to the Internet.



When performing any type of upgrade, DO NOT do any of the following:

- Power off or press the reset button on the Receiver or Button.
- Close the browser window of the web management interface.

Failure to follow these warnings will result in firmware upgrade failure and subsequent product failure.

To perform a direct upgrade from an upgrade file located on your local computer follow the steps below:



Before executing a direct firmware upgrade, please contact your BenQ regional office for access to the upgrade files.

1. Select **From Local File** and then click the **Select File** button in the **Firmware File** field.

The screenshot shows the 'Receiver Firmware Upgrade' interface with the 'From Local File' option selected. The fields are:

Current Firmware Versions	25(R)_0.60.00 / 25(T)_1.00.00
OTA	New Firmware Check ☒ Periodical Check
New Firmware Versions on OTA Server	No newer firmware
Firmware File	☐ From OTA Server ☒ From Local File Select Image
Upgrade InstaShow receiver	Firmware Upgrade

2. Navigate to and select the firmware upgrade file.

3. Click the **Firmware Upgrade** button in the **Upgrade InstaShow Receiver** field.

Receiver Firmware Upgrade	
Current Firmware Versions	25(R)_0.60.00 / 25(T)_1.00.00
OTA	New Firmware Check ☒ Periodical Check
New Firmware Versions on OTA Server	No newer firmware
Firmware File	☐ From OTA Server ☒ From Local File 25(R)_1.10.00 Select Image
Upgrade InstaShow receiver	Firmware Upgrade



When performing any type of upgrade DO NOT do any of the following:

- Power off or press the reset button on the Receiver or Button.
- Close the browser window of the web management interface.

Failure to follow these warnings will result in firmware upgrade failure and subsequent product failure.

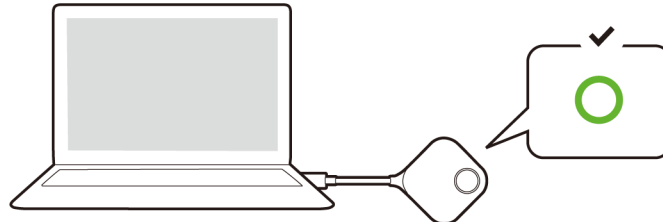
Button Firmware Upgrade / Host Button Firmware Upgrade



The following instructions can be applied to both Buttons and Host Buttons.

To upgrade the Button/Host Button's firmware using an upgrade file located on your local computer follow the steps below:

1. Connect the Button/Host Button you want to upgrade to the laptop running the web management interface and then wait for the Button's LED indicator to light up green.



2. Select **From Local File** in the **Firmware File** field and then click the **Select Image** button.

Button Firmware Upgrade	
Firmware File	☐ From Receiver (25(T)_1.00.00) ☒ From Local File Select Image
Upgrade selected InstaShow button	☐ 20:51:F5:1D:33:D6 Firmware Upgrade

Host Button Firmware Upgrade	
Firmware File	☐ From Receiver (VS25(HT)_1.00.00) ☒ From Local File Select Image
Upgrade selected InstaShow button	☐ 20:51:F5:1D:33:D6 (VS25(HT)_0.51.00) Firmware Upgrade

3. Navigate to and select the firmware upgrade file.

4. Select the Button you want to upgrade and then click the **Firmware Upgrade** button in the **Upgrade Selected InstaShow Button** field.

Button Firmware Upgrade	
Firmware File	☐ From Receiver (25(T)_1.00.00) ☒ From Local File (25(T)_1.00.00) Select Image
Upgrade selected InstaShow button	☒ 20:51:F5:1D:33:D6 Firmware Upgrade

Host Button Firmware Upgrade	
Firmware File	☐ From Receiver (VS25(HT)_1.00.00) ☒ From Local File (VS25(HT)_1.00.00) Select Image
Upgrade selected InstaShow button	☒ 20:51:F5:1D:33:D6 (VS25(HT)_0.51.00) Firmware Upgrade



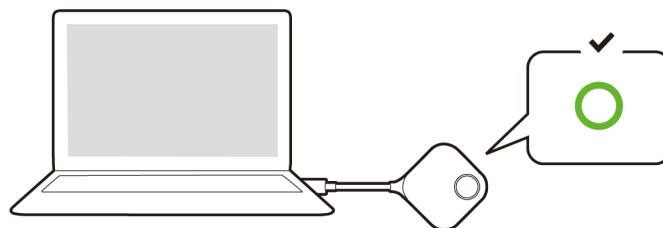
When performing any type of upgrade DO NOT do any of the following:

- Power off or press the reset button on the Receiver or Button.
- Close the browser window of the web management interface.

Failure to follow these warnings will result in firmware upgrade failure and subsequent product failure.

To upgrade the Button/Host Button's firmware directly from your Receiver via the connection between the Button and Receiver.

1. Connect the Button you want to upgrade to a laptop and then wait for the Button to link up with the Receiver and the LED indicator to light up green.



2. Select **From Receiver** in the **Firmware File** field.

Button Firmware Upgrade	
Firmware File	☒ From Receiver (25(T)_1.00.00) ☐ From Local File
Upgrade selected InstaShow button	☐ 20:51:F5:1D:33:D6 Firmware Upgrade

Host Button Firmware Upgrade	
Firmware File	☒ From Receiver (VS25(HT)_1.00.00) ☐ From Local File
Upgrade selected InstaShow button	☐ 20:51:F5:1D:33:D6 (VS25(HT)_0.51.00) Firmware Upgrade

3. Select the Button you want to upgrade and then click the **Firmware Upgrade** button in the **Upgrade Selected InstaShow Button** field.

The first screenshot, titled "Button Firmware Upgrade", shows the "Firmware File" section with two radio buttons: "From Receiver (25(T)_1.00.00)" (selected) and "From Local File". Below this, the "Upgrade selected InstaShow button" section shows a red box around the "20:51:F5:1D:33:D6" MAC address and the "Firmware Upgrade" button.

The second screenshot, titled "Host Button Firmware Upgrade", shows the "Firmware File" section with two radio buttons: "From Receiver (VS25(HT)_1.00.00)" (selected) and "From Local File". Below this, the "Upgrade selected InstaShow button" section shows a red box around the "20:51:F5:1D:33:D6 (VS25(HT)_0.51.00)" MAC address and the "Firmware Upgrade" button.



When performing any type of upgrade DO NOT do any of the following:

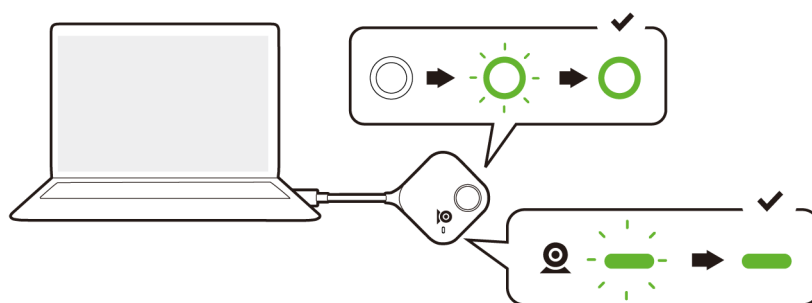
- Power off or press the reset button on the Receiver or Button.
- Close the browser window of the web management interface.
- The button of Firmware Upgrade becomes gray out when the version in Button is newer than the version in Receiver.

Failure to follow these warnings will result in firmware upgrade failure and subsequent product failure.

Multimedia Hub Firmware Upgrade

To upgrade the Multimedia Hub's firmware using an upgrade file located on your local computer follow the steps below:

1. Connect the Multimedia Hub to a power source. See [Connecting the Multimedia Hub on page 29](#) for more information.
2. Connect the Host Button to the laptop running the web management interface and then wait for both the Button LED indicator and the Multimedia LED indicator to light up green.

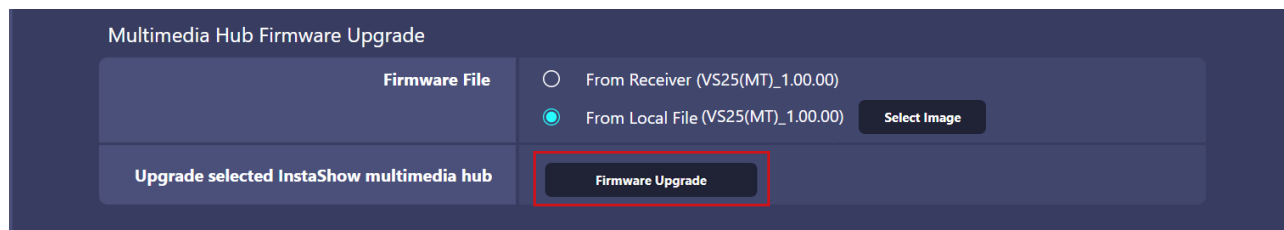


3. Select **From Local File** in the **Firmware File** field and then click the **Select Image** button.

The screenshot shows the "Multimedia Hub Firmware Upgrade" section. The "Firmware File" section has two radio buttons: "From Receiver (VS25(MT)_1.00.00)" and "From Local File" (selected). A red box highlights the "From Local File" radio button and the "Select Image" button next to it. Below this, the "Upgrade selected InstaShow multimedia hub" section shows a grayed-out "Firmware Upgrade" button.

4. Navigate to and select the firmware upgrade file.

5. Click the **Firmware Upgrade** button in the **Upgrade Selected Multimedia Hub** field.



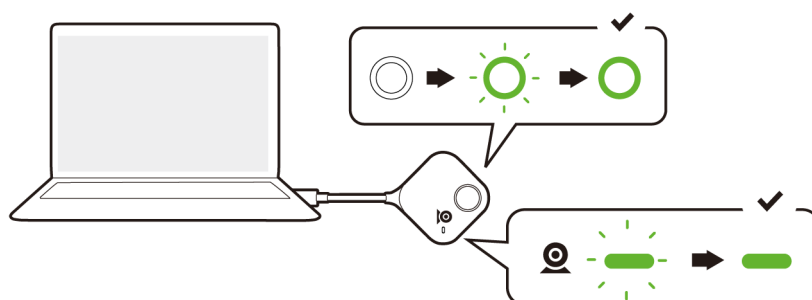
When performing any type of upgrade DO NOT do any of the following:

- Power off or press the reset button on the Receiver, Host Button, or Multimedia Hub.
- Close the browser window of the web management interface.

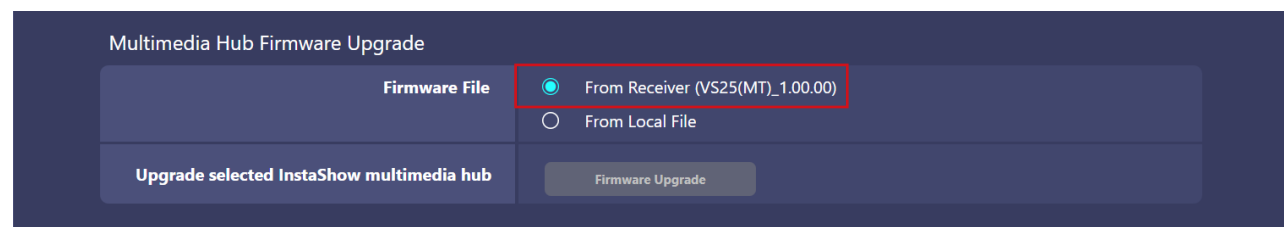
Failure to follow these warnings will result in firmware upgrade failure and subsequent product failure.

To upgrade the Multimedia Hub's firmware directly from your Receiver via the connection between the Multimedia Hub and Receiver.

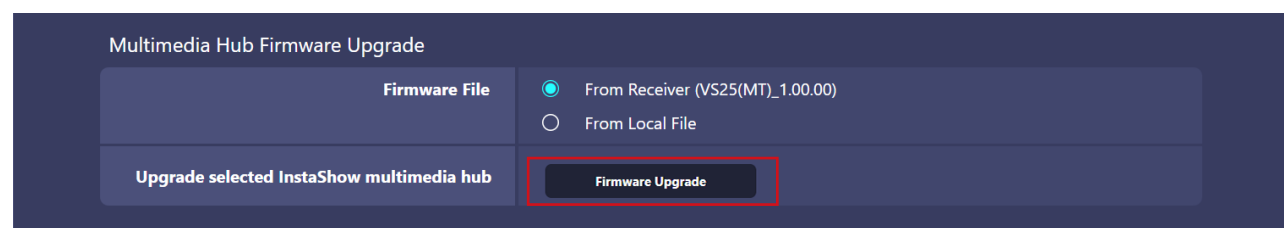
1. Ensure the Receiver has upgraded to the latest firmware.
2. Connect the Multimedia Hub to a power source. See [Connecting the Multimedia Hub on page 29](#) for more information.
3. Connect the Host Button to the laptop running the web management interface and then wait for both the Button LED indicator and the Multimedia LED indicator to light up green.



4. Select **From Receiver** in the **Firmware File** field.



5. Click the **Firmware Upgrade** button in the **Upgrade Selected Multimedia Hub** field.





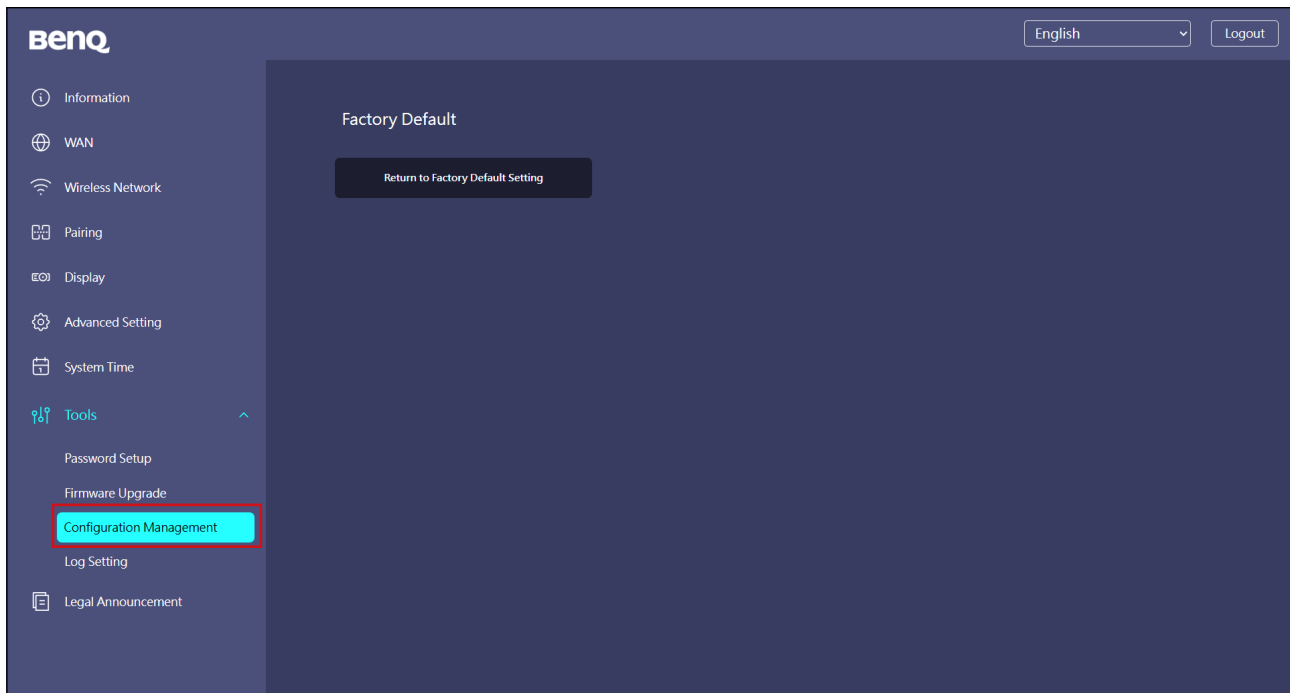
When performing any type of upgrade DO NOT do any of the following:

- Power off or press the reset button on the Receiver, Host Button, or Multimedia Hub.
- Close the browser window of the web management interface.
- The button of Firmware Upgrade becomes grayed out when the version in Button is newer than the version in Receiver.

Failure to follow these warnings will result in firmware upgrade failure and subsequent product failure.

Configuration Management

The **Configuration Management** menu allows you to restore your Receiver's settings to its factory defaults via the **Factory Default** sub-menu.



You can have the Receiver restore to **Factory Default** by clicking **Return to Factory Default Setting**.

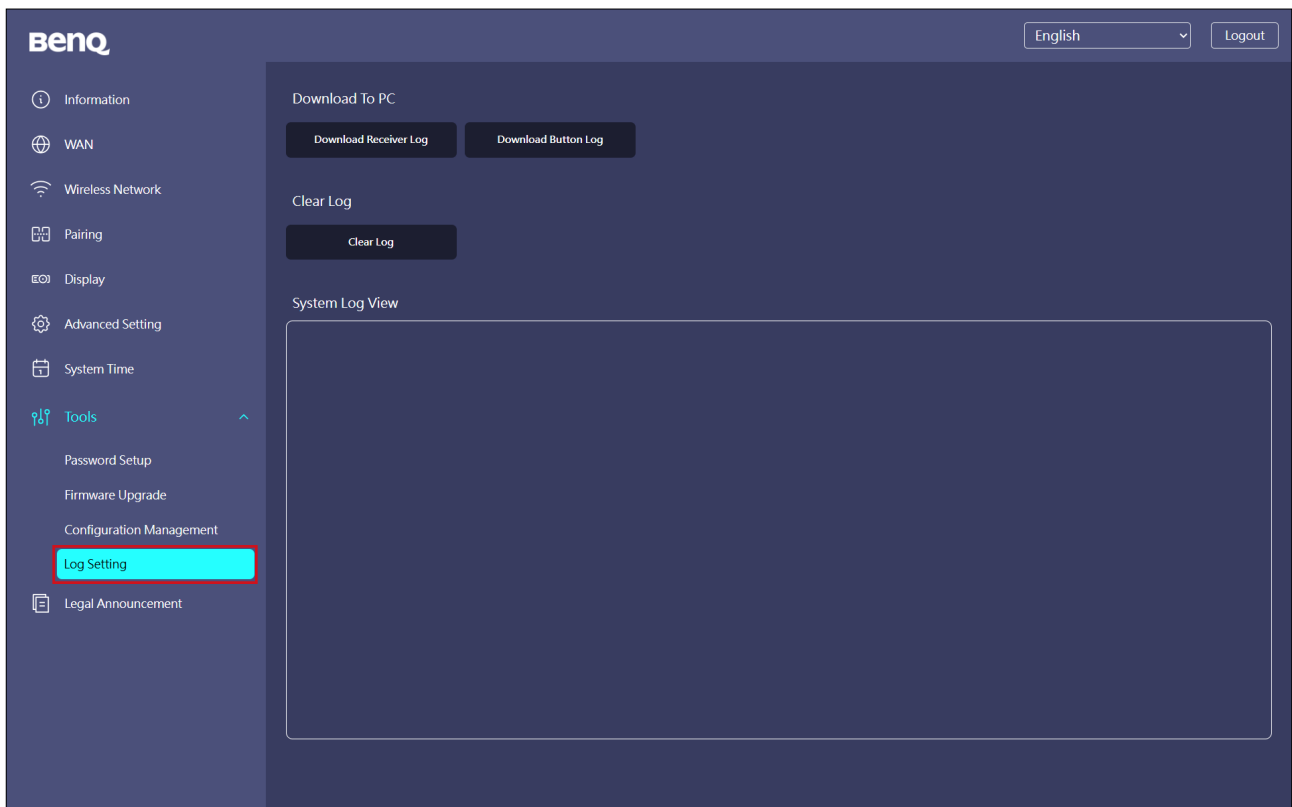


When the process is confirmed the Receiver will begin restoring to **Factory Default** and the LED will quick flash red then restart. After the Receiver restarts the entire process is complete.

Log Setting

Logs are records of all system activity for your Receiver, which may be used by support technicians to track errors or locate bugs. In the **Log Setting** menu you can:

- Download the Button or Receiver's log to your local computer by clicking **Download Button Log** or **Download Receiver Log**.
- Clear the system log by clicking **Clear Log**.
- View the system log in the **System Log View** window.



Legal Announcement

For information about disclaimer or privacy policy, press **Legal Announcement** to find out more.

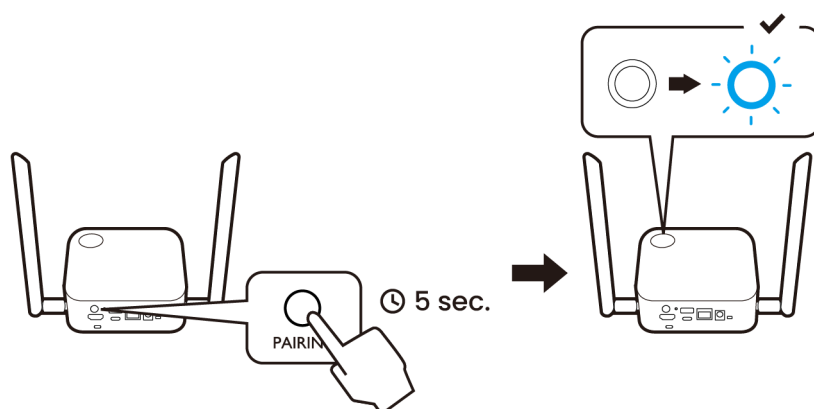
Additional instructions

Pairing a Receiver and a separately purchased Button

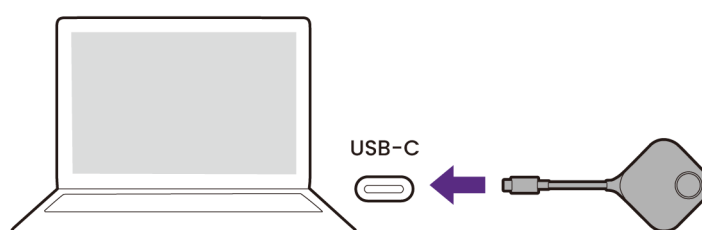
A product set includes a Receiver and a Button, which are paired before shipment. In such a case, you don't need to pair them again. However, if you buy two or more product sets, and you want to pair a Button with a different Receiver, you need to follow the instruction below. If you buy an additional Button kit, and you want to pair the new Buttons with your Receiver, you need to follow one of the methods below as well.

Pairing when the Receiver is placed on a table

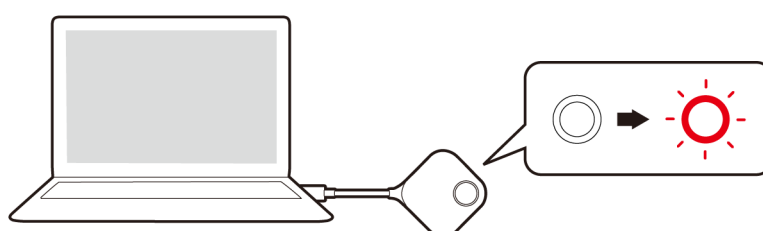
1. Make sure your Receiver is ready with a power supply. Press the **PAIRING** key of the Receiver for five seconds, the LED indicator of the Receiver will blink blue for two minutes, waiting to pair with a Button.



2. Connect the Button to the corresponding input of a laptop.



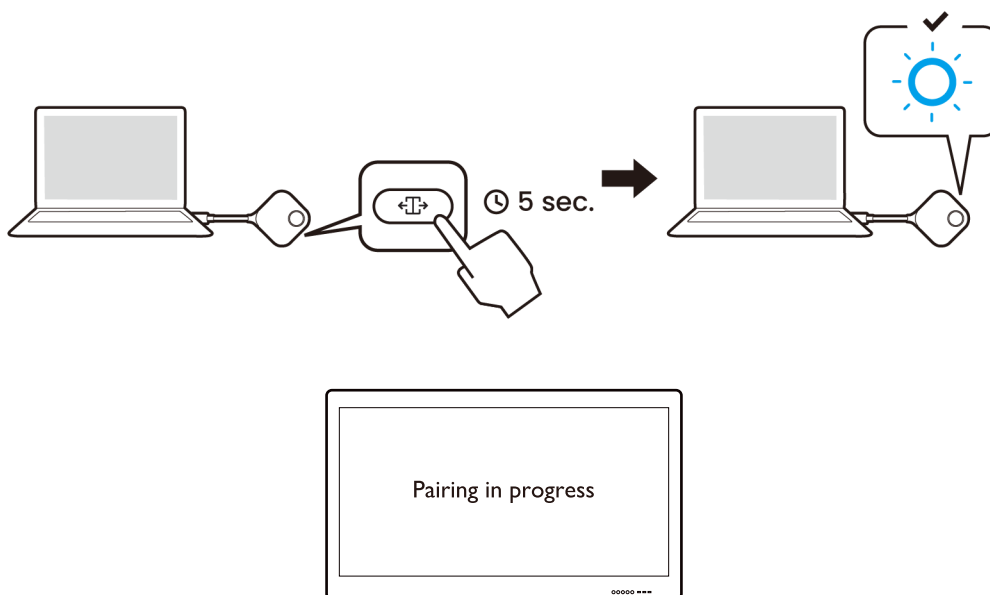
3. When the new Button is connected to the laptop, the LED indicator of the Button will flash red.



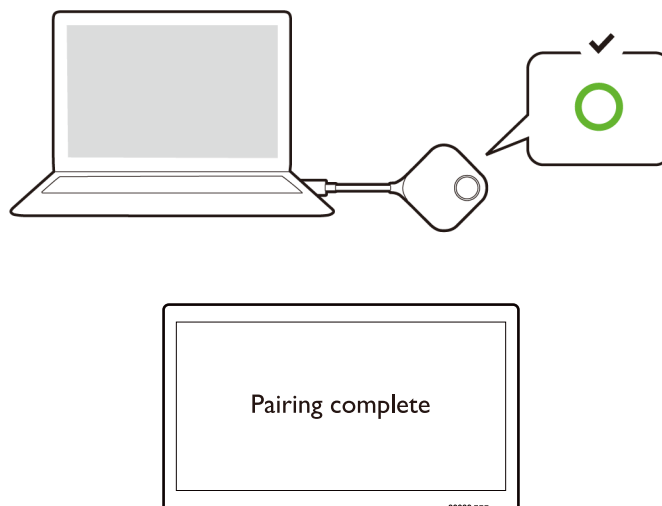


- If a Button nearby has been paired with a Receiver before, it will turn static green.
- If the Receiver is attached to the ceiling so that it is not easy to press the **PAIRING** key, please use the pairing process in the web management interface. Refer to [Pairing on page 55](#) for information.

4. Press the split screen key on the side of the Button for five seconds. The LED indicator of the Button will blink blue for about 30 seconds. The pairing process is ongoing. The **"Pairing in progress"** message will be shown on the screen.



5. The LED indicator of the Button turns static green and a **"Pairing complete"** message will be shown when the Receiver and Button are successfully paired.



The maximum number of Buttons you can pair with one Receiver is 64.

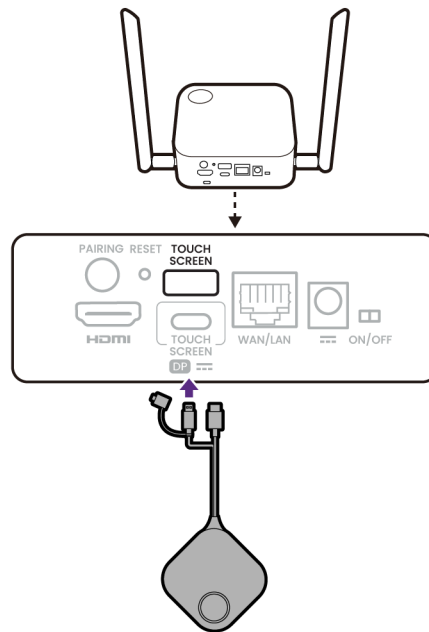
Pairing via direct connection to the Receiver

1. Follow the steps in [Switching to the Button/Host Button HDMI cable on page 30](#) to switch the Button's connector to the HDMI cable.

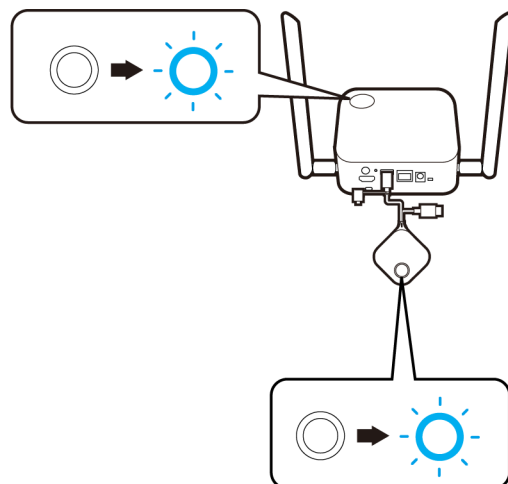


A regular USB-C-to-USB-A adapter can also be used on the Button to complete the process described in this section.

2. Connect the Button's USB-A connector to the **TOUCH SCREEN** port of the Receiver.

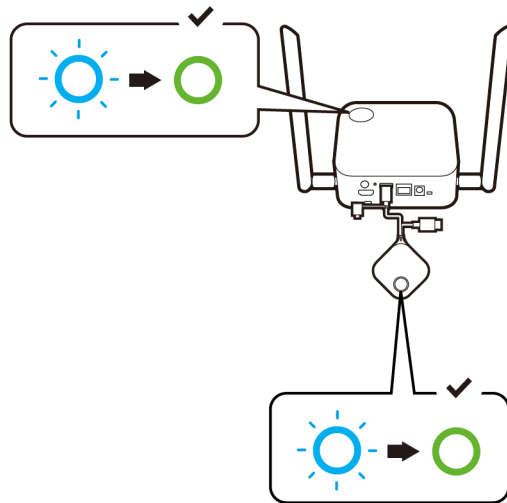


3. The LED indicator of the Receiver and Button will blink blue for a few seconds. The pairing process is ongoing. The **"Pairing in progress"** message will be shown on the screen.





4. The LED indicator of the Button turns static green and a “Pairing complete” message will be shown when the Receiver and Button are successfully paired.



Resetting a Receiver

Resetting a Receiver allows you to return the Receiver to its original factory settings. You may want to reset the Receiver because of either one of the following reasons:

- You want to clear the web management interface of all changes made to its configurations, such as passwords, SSID, etc. and return it back to its default settings. Refer to [Web management on page 43](#) for more information.
- You are unable to access the web management interface (for instance due to an altered or lost password).

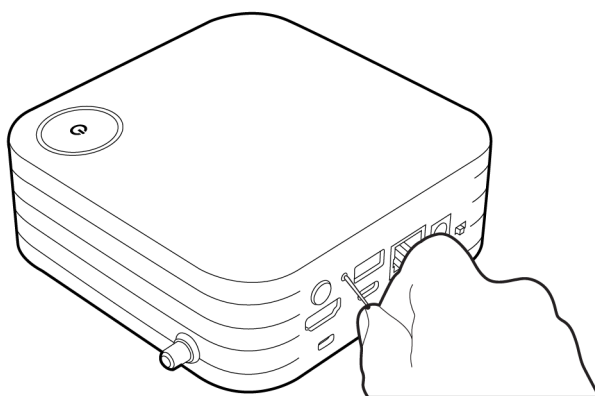
Reset the Receiver using the following steps:

1. Connect the power port on the Receiver to a power source and wait for at least 90 seconds.



After the Receiver has been connected to a power source for at least 90 seconds, the Receiver LED may indicate any one of the statuses described in [Receiver LED indicator on page 14](#). As long as the Receiver has been connected to a power source for at least 90 seconds, you may proceed to the next step of the resetting process regardless of the status of the Receiver LED.

2. Poke the **RESET** hole at the rear of the Receiver with a pin for at least 5 seconds and then stop.



3. The Receiver LED will begin quick flashing red (flash red twice every second) for a few seconds, then light up static white for 3 seconds, indicating that the Receiver is resetting.
4. Once the Receiver LED lights up static green the resetting process is complete.



Do not disconnect the Receiver from its power source at any time during the resetting process.

Resetting a Button/Host Button



The following instructions can be applied to both Buttons and Host Buttons.

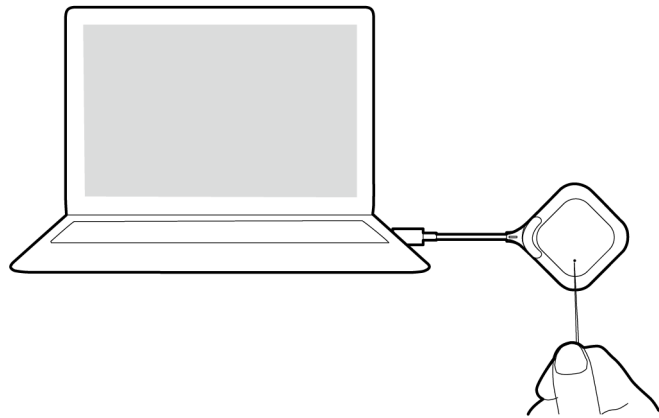
Resetting a Button allows you to return the Button to its original factory settings. You may want to reset a Button when the Button is behaving abnormally. Reset a Button using the following steps:

1. Connect the USB connector on the Button to a powered-on laptop and wait for at least 30 seconds.



After the Button has been connected to a powered on laptop for at least 30 seconds, the Button LED may indicate any one of the statuses described in [Button LED indicator on page 13](#). As long as the Button has been connected to a powered on laptop for at least 30 seconds, you may proceed to the next step of the resetting process regardless of the status of the Button LED.

2. Poke the **RESET** hole at the bottom of the Button with a pin for at least 5 seconds.



3. The Button LED will begin quick flashing red for a few seconds, then light up static white for a few seconds, indicating that the Button is resetting.
4. Once the Button LED lights up static green the resetting process is complete.



Do not disconnect the Button from its power source at any time during the resetting process.

Enabling network standby mode

You can set the Receiver to enter network standby mode after a period of inactivity. To set the time of inactivity, go to **Web Management > Advance Setting > Network Standby**. See [Advance Setting on page 59](#) for more information.

To enable network standby mode, if there is no wireless devices connected to the Receiver's SSID within the set time, press the standby button on the Receiver to enable network standby mode immediately.

The LED indicator on the Receiver lights up static white when it is in network standby mode.

The network standby mode is disabled when

- a wireless device is connected to the Receiver's SSID; or
- you press the standby button on the Receiver.



- The power consumption of the product in network standby mode is less than 7.0 W.
 - The product will be switched to network standby mode automatically after 15 minutes of inactivity.
-

Troubleshooting

Category	Problem	Cause	Solution
Your screen	Your screen is not appearing on the display when pressing the Button.	The Button is connecting to another Receiver.	The Button should be paired again with the Receiver.
		Pressing time is not enough.	Press the Present key until the LED indicator turns from green to blue.
	The screen turns blank or flickers when the Receiver is presenting.	Insufficient power supply.	Make sure the product's power is properly supplied or connected.
	The screen lags seriously and the audio breaks up sometimes.	Insufficient power supply for the Button. A laptop with USB 2.0 port may be used as the power supply for the Button.	Make sure you use USB 3.0 as the power supply for the Button.
The Button	The Button automatically restarts sometimes.	Insufficient power supply.	Make sure you use USB 3.0 as the power supply for the Button.
	The LED indicator on the Button remains static red even after it has been powered on for 30 seconds.	The Button has not been properly powered off during the resetting process.	Reset the Button.
The Receiver	Nothing is shown on the display at all.	The display is switched off.	Switch on the display.
		The wrong input is selected.	Select the correct input.
		The video cable is not connected properly.	Insert the HDMI cable between the Receiver and the display device again.
		The display fails to show the Receiver's output resolution at 1080p in "Guide Screen" or "Idle Screen".	Replace the display with a new one that supports output resolution at 1080p.
		Insufficient power supply.	Change power supply of Receiver to a power adapter.
The Receiver	The LED indicator on the Receiver remains static red even after it has been powered on for 30 seconds.	The Receiver has not been properly powered off during the resetting process.	Reset the Receiver.

Category	Problem	Cause	Solution
EDID	After connecting the Button to your laptop, the second screen (Insta-Show™) cannot be detected.	The HDMI connection between your laptop and the Button is loose.	Reconnect the HDMI cable of the Button.
		Laptop problem	Reboot your laptop.
		The Button is shut-down.	Reconnect the USB cable of the Button.
Pairing	The message, Pairing failed , from the Receiver is shown on the display when the Receiver is pairing with the Button.	The Receiver has reached the maximum number of pairing.	Log into the web management, then select Pairing > Pairing Status > Delete . Delete unnecessary pairings.
		Wi-Fi interference or signal attenuation	Make sure the transmission distance is within 15 meters and with no obstacles.
		The Button has not entered the pairing mode in time.	When the Receiver enters pairing mode, the Button should also enter pairing mode within two minutes.
Windows Software	When presenting a video file via GOM Media Player, the full-screen image is cut into upper and lower halves.	Media player	Use other media players to play video files, such as Windows Media Player.
Web management	Cannot Log in	Forgot the account and password.	1. Reset the Receiver. 2. The default log in account: admin 3. The default log in password is located on the label on the bottom of the Receiver (without the lid installed).
	Laptop cannot connect the SSID with the correct password by Wi-Fi.	Laptop Wi-Fi module cannot support 802.11 AX.	Laptop can connect to the Receiver with an Ethernet cable instead of Wi-Fi connection.
Touch-back	The touch back function is not working.	The Receiver does not support USB hot-plugging for touch back.	Please ensure the USB touch connection is properly established before powering on the device. See “Connecting the Receiver” on page 25 .
		The touch back function is not supported over USB-C on certain devices, such as MacBooks.	Try using devices through an HDMI connection. NOTE: The touch back function currently does not support MacBooks.
	Why is the touch back feature on my device not properly aligned?	The Receiver's touch back function performs optimally at a 16:9 resolution.	Adjust the video output resolution to a 16:9 aspect ratio.

Category	Problem	Cause	Solution
Display	My presentation screen is not clear or smooth enough.	Inappropriate mode for presentation.	During wireless presentation, you are provided with Presentation Mode for documents and Video Mode for video clips. Choose the appropriate mode for your presentation by pressing the split screen key on the Button. See “Playing videos with InstaShow™” on page 37 .
Power	The Receiver or Multimedia Hub is unable to be powered.	The adapter/plug is malfunctioning.	Repair or replace the complete set of adapter and plugs for the device.

Appendix A: Pairing a Host Button

In instances where the original Host Button provided with your InstaShow set malfunctions and you receive a replacement Host Button, you will have to pair the replacement Host Button with both the Receiver and Multimedia Hub.

Pairing a Host Button and a Receiver

1. Follow the steps in [Multimedia Hub Firmware Upgrade on page 30](#) to switch the Host Button's connector to the HDMI cable.



A regular USB-C-to-USB-A adapter can also be used on the Button to complete the process described in this section.

2. Connect the Host Button's USB-A connector to the **TOUCH SCREEN** port of the Receiver.
3. The LED indicator of the Receiver and Host Button will blink blue for about 10 seconds. The pairing process is ongoing. The "**Pairing in progress**" message will be shown on the screen.
4. The LED indicator of the Host Button turns static green and a "**Pairing complete**" message will be shown when the Receiver and Host Button are successfully paired.

Pairing a Host Button and a Multimedia Hub

1. Connect the power port on the Multimedia Hub to a power source and wait for at least 90 seconds.
2. Press the **PAIRING** key on the rear side of the Multimedia Hub.
3. When the Multimedia LED indicator on the Multimedia Hub begins flashing blue, connect the replacement Host Button to either the **USB C** or **USB A** port at the rear of the Multimedia Hub.



In order to connect the Host Button to the **USB A** port on the Multimedia Hub. The cable on the Host Button must be switched to the HDMI cable provided in the InstaShow set. See [Multimedia Hub Firmware Upgrade on page 30](#) for more information.

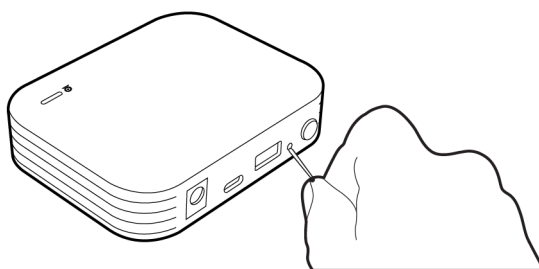
4. When the Multimedia LED indicator on the Multimedia Hub lights up solid green, the pairing process is finished. Disconnect the Host Button from the Multimedia Hub.

Appendix B: Resetting a Multimedia Hub

Resetting a Multimedia Hub clears the Multimedia Hub of its pairing information (with the Host Button).

Reset the Multimedia Hub using the following steps:

1. Connect the power port on the Multimedia Hub to a power source and wait for at least 90 seconds.
2. Poke the **RESET** hole at the rear of the Multimedia Hub with a pin for at least 5 seconds and then stop.



3. The Multimedia LED indicator will begin quick flashing red (flash red twice every second) for a few seconds, then light up static white for 3 seconds, indicating that the Multimedia Hub is resetting.
4. Once the Multimedia LED lights up static green the resetting process is complete.

After the Multimedia Hub is reset, you will have to pair it with the Host Button you want to use it with. See [Multimedia Hub Firmware Upgrade on page 82](#) for more information.

Appendix C: Upgrading a Multimedia Hub's firmware

There are multiple ways to upgrade the Multimedia Hub's firmware:

- Via the Web Management menu interface. See [Multimedia Hub Firmware Upgrade on page 67](#).
- Via a USB flash drive.

Upgrading the Multimedia Hub's firmware via USB flash drive

Before upgrading the Multimedia Hub's firmware, you must first:

- Download the firmware upgrade file from BenQ's support website.
- Prepare a USB-A flash drive with at least 32GB of storage in the FAT32 format.

To upgrade the Multimedia Hub's firmware:

1. Save the upgrade file into the USB-A flash drive.
2. Insert the flash drive into the **USB A** port at the rear of the Multimedia Hub.
3. Power on the Multimedia Hub. The Multimedia LED on the Multimedia Hub will flash green indicating that the upgrade is in progress.



When performing any type of upgrade DO NOT power off or press the reset button on the Multimedia Hub.

Failure to follow this warnings will result in firmware upgrade failure and subsequent product failure.

4. Once the Multimedia LED on the Multimedia Hub lights steady green indicating that the upgrade has finished, remove the flash drive from the Multimedia Hub.

Appendix D: Security

Network Port Requirements

InstaShow communicate via standard TCP/IP network protocols. Since network ports and applications that generate network traffic may be blocked from your organization's network by its firewall policies, certain network ports must be enabled in the devices within the network infrastructure (e.g., network switches, wireless routers, laptops) before you can properly set up InstaShow.

Network Ports Used by the InstaShow Host:

Port	Protocol	Service	Description
22	Tcp	ssh	Remote administration/maintenance on LAN.
53	tcp	DNS	Internal name resolution (TCP for zone transfers/ large responses, UDP for queries).
80	tcp	http	AirPlay, ChromeCast, Web server. FW OTA
443	tcp	https	AirPlay, ChromeCast
2425	tcp	fjitsuappmgr	Button <--> Receiver Proprietary protocol, image transmission
2426	tcp	vcmp	Button <--> Receiver Proprietary protocol, image transmission
3517	tcp	WAPP	MediaTek Wireless service application.
7000	tcp	afs3-fileserver	Airplay
7001	tcp	afs3-callback	Airplay
7100	tcp	font-service	Airplay
8008	tcp	http	ChromeCast
8009	tcp	tcpwrapped	ChromeCast
8010	tcp	tcpwrapped	ChromeCast
63630	tcp	unknown	Button <--> Receiver Proprietary protocol, image transmission
9000	tcp	MTK_DUT	MediaTek Wi-Fi Test Suite application.
123	udp	ntp	ChromeCast



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