InstaShow™ X

User Manual

WDC30

V 1.00

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Please go to http://patmarking.benq.com/ for the details on BenQ projector patent coverage.

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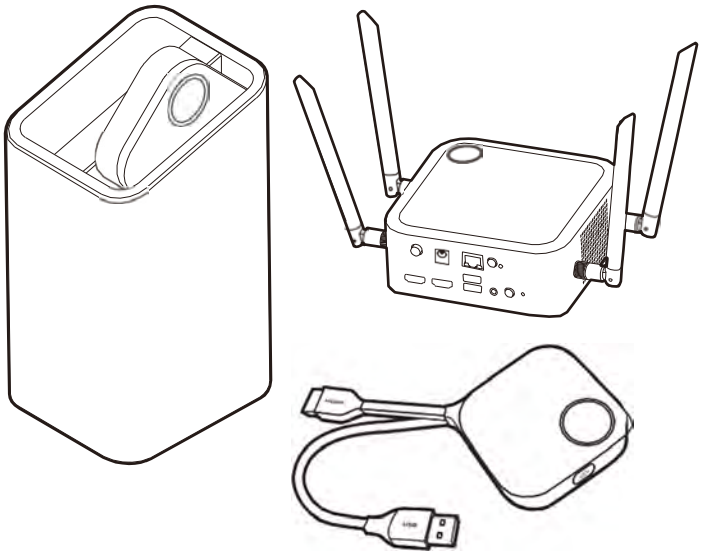
Introduction

InstaShow™ X (or “the product” in this document) is a wireless device for corporate meeting rooms. Users expect devices to respond instantly, apps to launch and to control at their fingertips, and information to be available on demand. The product bypasses the complicated steps of IP addresses, driver installation, app execution, setting selection, etc. to quickly deliver professional, stable visual quality for teams to collaborate freely and confidently. The product is an unique all-hardware solution without software issues for universal compatibility and display flexibility.

A standard product set consists of an InstaShow™ X Host (or “Host” in this document) and two InstaShow™ X Buttons (or “Buttons” in this document). Depending on the location where you buy the product, the software of the base unit can be different. You can buy additional InstaShow™ X Button kits if needed.



- "InstaShow™ X" will hereinafter be referred to as "the product" in this document.
- "InstaShow™ X Host" will hereinafter be referred to as "Host" in this document.
- "InstaShow™ X Button/Buttons" will hereinafter be referred to as "Button"/"Buttons" in this document.

Your product complies with the 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 the wireless functionalities. And modification of any part of the product will void the warranties.

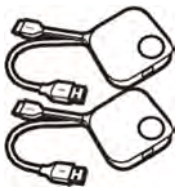
Product features

The product is equipped with the following features:

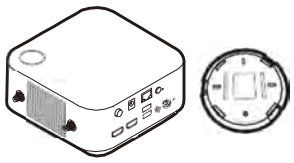
Features	Description
True Plug & Play	Simply connect the product into your USB and HDMI ports, then push the button to start presenting immediately.
No Software	The product doesn't need any software installation or execution. There's no setup, configuration, or waiting for pop-ups to launch. Just plug into your PC or Mac and start presenting immediately.
Split Screen Presentations	Up to eight users can simultaneously project their screen via the product in a dual-screen, 3-way or 4-way split screen configuration, so that you can view and reference multiple documents/videos at the same time during your presentation.
Auto Channel Selection	The product automatically selects the best wireless channel upon boot-up, ensuring smooth presentations in any environment.
Touch Back	When the Host is connected to a touchscreen display via its USB ports, you can use the touchscreen to control the screen of the PC that is presenting, allowing you to actively engage with the content that is being presented.
Screen Casting for Mobile Devices	Project your mobile device's screen wirelessly by connecting your mobile device to the Host via the InstaShare app or screencasting capabilities of your mobile device.
Wireless 802.11AX	The latest 802.11AX Wi-Fi guarantees extremely smooth wireless streaming without lag or buffering.
Video and Audio	The product's HDMI output supports up to 60Hz DCI 4K video and stereo sound without cable clutter or complicated driver selection.
Assured Performance	Peace of mind for consistent wireless presentation performance without relying on your PC.
Extended Desktop	Keep your presenter view, notes, and backup data on your laptop screen while presenting to the wireless screen with extended desktop in both Windows and OS X.
Dynamic Session-based Encryption	With FIPS-CAVP approved encryption, each presentation via BenQ InstaShow X Button is protected by approved algorithm in all.

- Touch back via USB port is only supported for Windows-based PCs. Macs and mobile devices cannot be controlled via touch screens.
- Transmission distance depends on actual environment. Stated distance is based on line-of-sight measurement. Structures constructed of steel, wood, concrete, or brick may decrease transmission distance.
- According to regulatory restrictions in different regions of the world, Wi-Fi channels cannot be used in countries outside the purchased region.

Package content

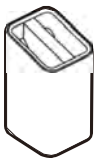


InstaShow™ X Buttons



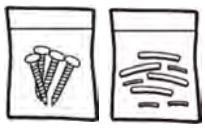
InstaShow™ X Host and Lid

4 Antennas

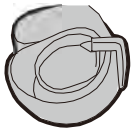


Cradle

Adapter & Plugs

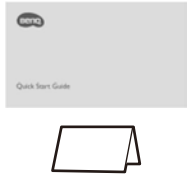


Screws & Rubber Foot



Velcro Strap

Cable: HDMI A(M) to A(M)



Quick Start Guide Safety Statement

- 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 specification

Feature	
Color	Black
Video outputs	HDMI 1.4 *1 ,HDMI 2.0*1, comply with HDCP
Frame Rate	Up to 60fps depending on environment
Output resolution	720x480, 720x576, 1280x720, 1920x1080,1920x1200, up to 1920x1200(60Hz)(2K port), up to 4096x2160(60Hz)(4K port)
Input resolution	Video: 480p, 576p, 720p, 1080p PC Timing: 640x480, 800x600, 1024x768, 1280x720, 1920x1080
Number of simultaneous connections	32(Buttons)+32(BYOD devices)
Authentication protocol	WAP/WAP2 Personal AES,WPA2/WAP3 Personal AES, WPA2 Enterprise TKIP/AES
Security (encryption)	AES 128 bit/256 bit,TKIP 128 bit
Support platform	Windows, MAC, Chrome. Any OS supporting HDMI standard 1.4
Reach	Max. 15M between the Button and the Host
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	Storage: 5% to 90% relative humidity, non-condensing
	Operation: 10% to 80% relative humidity, non-condensing

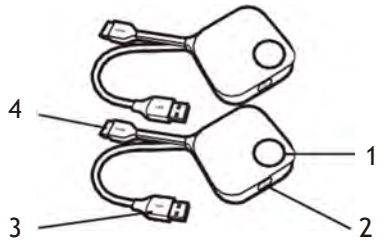
InstaShow™ X Button			
Cable	USB Type A, HDMI Cable	Power supply	DC 5V±10%, 0.9A
Reset button	x1	Power consumption	Normal: 4.5W
Split screen key	x1	Dimension	With cable: 81x291x24.2mm Without cable: 67x67x24.2mm
LED	Red (error) Green (Wi-Fi connected) Blue (presenting)	Weight	Refer to LED indicators of the Button and the Host on page 11 for more information.
Wireless transmission protocol		IEEE 802.11	
Data rate wireless		Up to 574Mbps + 1201Mbps (at 5GHz for 802.11 a/n/ac)	

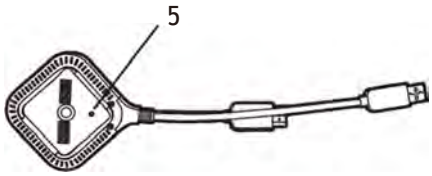
InstaShow™ X Host			
Standby button	x1	Power supply	DC 12V±5%, 3.33A
Pairing key	x1	Power consumption	Max: 40W Normal: 12W
WAN	x1		
Video output	x1 HDMI 1.4, x1 HDMI 2.0 (video and audio)		
DC Power Jack	x1	Dimension (WxHxD) (not including rubber feet)	With antennas: 200x150x140mm Without antennas: 154x34x140mm
LED	Red (error) Green (ready for connection) Blue (presenting)	Weight (include antenna)	Refer to LED indicators of the Button and the Host on page 11 for more information.
Audio		Stereo, Radio quality 16bits 48KHz	
Wireless transmission protocol		IEEE 802.11	
Data rate wireless		Up to 574Mbps + 1201Mbps (at 2.4GHz + 5GHz for 802.11b/g/n/ac/ax)	

Cradle			
Dimension	100.4x92.6x152mm	Weight	550g

Overview

Button





Bottom of a Button

1. **Present key with LED indicator**

   Press to start or stop presenting.

2. **Split screen key**

   Press to enable split screen presentations.

3. **USB 3.0 connector**

   Connect to a computer or laptop.

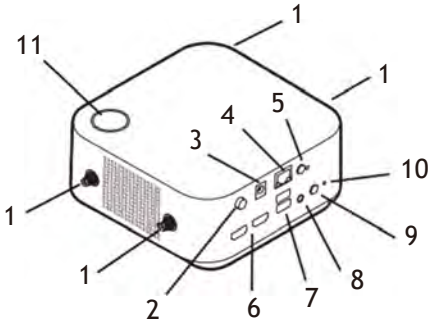
4. **HDMI 1.4 connector**

   Connect to a computer or laptop.

5. **RESET**

   Poke the **RESET** hole to reset the device if the device stops responding. Refer to Resetting a Host on page 26 for more information.

Host



1. **Fixture parts for the Antennas**

   Refer to Assembling the Host on page 13 for more information.

2. **Power switch**

   Press to turn the Host power on and off.

3. **DC 3.33A port**

   Connect to the supplied adapter extender power cable and adapter to power the Host.

4. **LAN port**

   Allows users access to the web management interface through a direct or network connection.

5. **Mobile projection**

   Allow/Reject mobile device to project.

6. **HDMI ports**

   Connect to a display using a Cable HDMI A(M) to A(M).

7. **USB-A ports**

   Connect to a touchscreen display, mouse, or keyboard, to control the projected screen.

8. **Audio out**

   Connect to a speaker.

9. **PAIRING** key

   Press to pair with a Button.

10. **RESET**

    Poke the **RESET** hole to reset the device if the device stops responding.
    Refer to Resetting a Host on page 26 for more information.

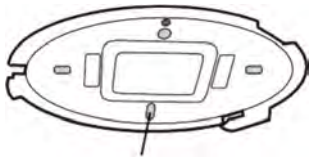
11. **Standby button with LED indicator**

    Press to turn the Host on and off.

12. **Lid**

    Refer to Attaching the Host to the ceiling on page 13 for more information.

12 Lid of the Host



Alignment hole

LED indicators of the Button and the Host

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

LED indicator on the Button	Status Description
Static blue	The device is presenting.
Flashing blue	The device is in the process of pairing
Flashing green	• The device is starting up and connecting to the host. • The device is downloading the firmware.
Static green	The device is connected and working normally.
Flashing red	The device is unable to connect to a host.
Off	The device is powered off.
Quick flashing green	The device is upgrading the firmware.
Static white	The device is booting up stage.

LED indicator on the Host	Status Description
Static blue	Connected device is presenting.
Flashing blue	The device is in the process of pairing.
Flashing green	• The device is starting up. • The device is upgrading the firmware.
Static white	The device is booting up stage.
Static green	The device is on and ready for connection.
Off	The device is powered off.

Installation

This section will guide you on how to prepare the unit before its initial use.

Environment check

Before installing your InstaShow™ X kit, check the environmental conditions.

1. Do not install the device near heat sources like radiators or direct sunlight, or in a site with excessive dust or humidity.
2. Ambient temperature conditions are listed as below. Maximum ambient temperature should be +40°C or 104°F. Minimum ambient temperature should be +0°C or 32°F. Storage temperature should be -10°C to +60°C (14°F to 140°F).
3. Humidity conditions are listed as below. For storage, the relative humidity should be 5% to 90% (non-condensing). For operation, the relative humidity should be10% to 80% (non-condensing).

As the product works with different displays, the steps required to complete the installation may vary according to the actual environment and your display specifications. Follow the procedures below and refer to the specified sections for details.

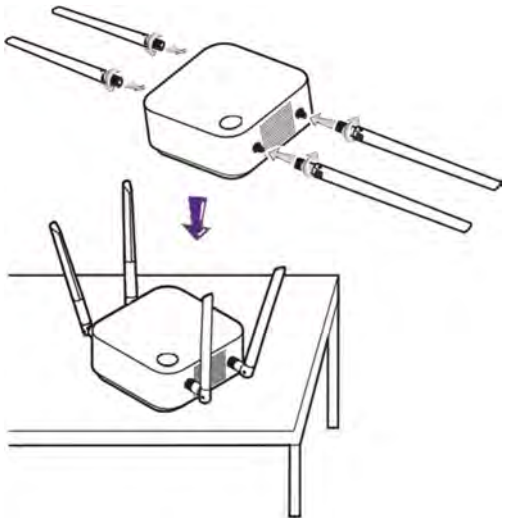
1. Assemble the Host with the antennas. See Assembling the Host on page 13 for details.
2. Connect the Host to the display and power properly. See Connecting the HDMI cable and power on page 18 for details. Four installation methods are provided.

- Attaching the Host to the ceiling
- Attaching the Host to a ceiling mount
- Placing the Host on a table
- Installing the Host on the wall or trolley

3. Connect the Buttons to the desired devices and power properly. See Setting up and powering a Button on page 21 for details.
4. Make sure that all the connected devices have been powered on. Press the source button of the display and make sure that the HDMI source has been transmitted. See Pairing a Button and Host on page 24 for details.

Assembling the Host

Assemble the Host with four antennas by turning the antennas clockwise (right) and counterclockwise (left) to fasten them tightly.

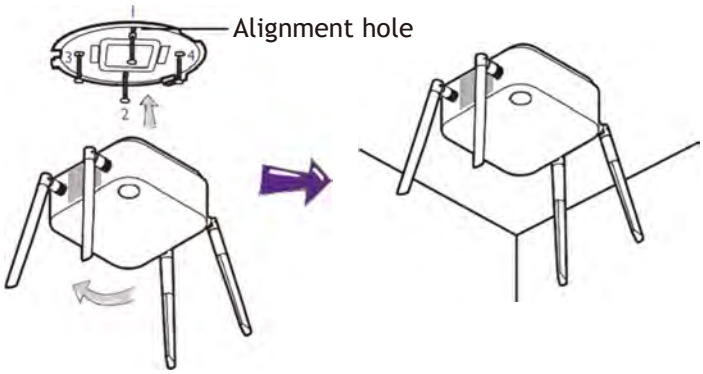


Setting up the Host

You are provided with four different ways to position the Host. The total weight of the Host Unit is 330g.

Attaching the Host to the ceiling

1. Place the lid on the ceiling and locate the alignment hole.
2. Use the screws provided to lock the lid to the ceiling.
3. Lock the first hole (1).
4. Follow the instruction in the illustration below to lock the other holes (2-4).
5. Rotate the Host counterclockwise to affix the Host to the lid.

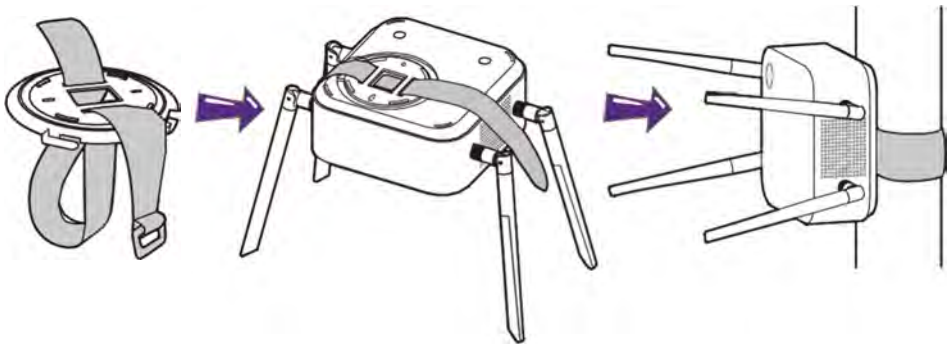


- Please only use the screws (M3*16 tapping screw) provided with the kit to mount the Host to the ceiling.
- Please see Positioning the Host antennas on page 17 for guidelines on positioning the antenna to maximize signal reception.

Attaching the Host to a ceiling mount

If the display is mounted on the ceiling:

1. Attach the Host to the ceiling mount using the provided velcro strap.
2. Fix the Host to the mounting holder.
3. Use the supplied velcro to fix the mounting holder and the Host to the ceiling mount as shown in the illustration.

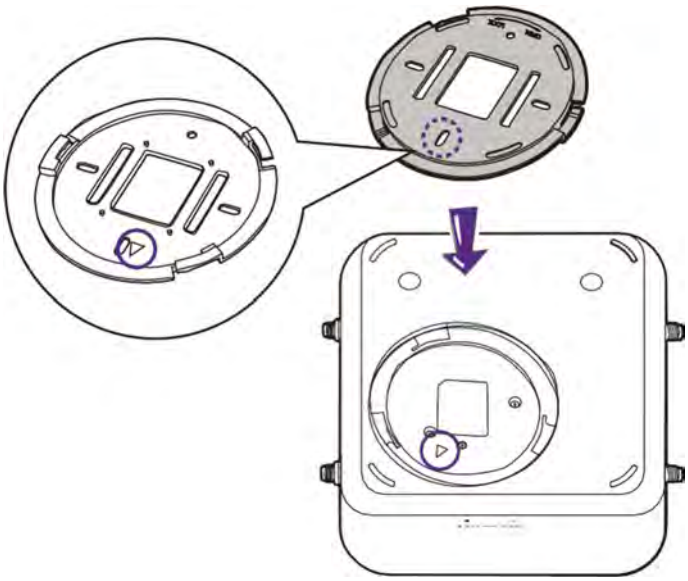


- Please only use the velcro strap (300(L)mm*25(W)mm) provided with the kit to mount the Host to a ceiling mount.
- Please see Positioning the Host antennas on page 17 for guidelines on positioning the antenna to maximize signal reception.

Placing the Host on a table

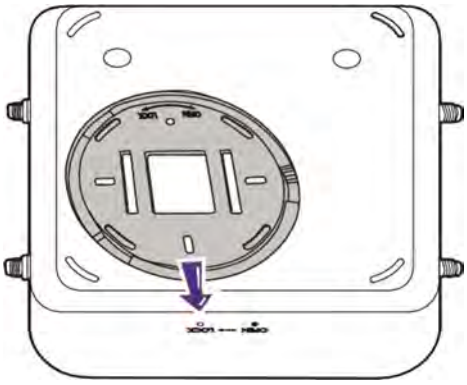
If your display is placed on a table, first attach the lid of to the Host in the following the process described below:

1. Align the lid over the bottom of Host so that the triangle on the bottom side of the lid is aligned to the triangle in the lid compartment, then insert the lid into the lid compartment.

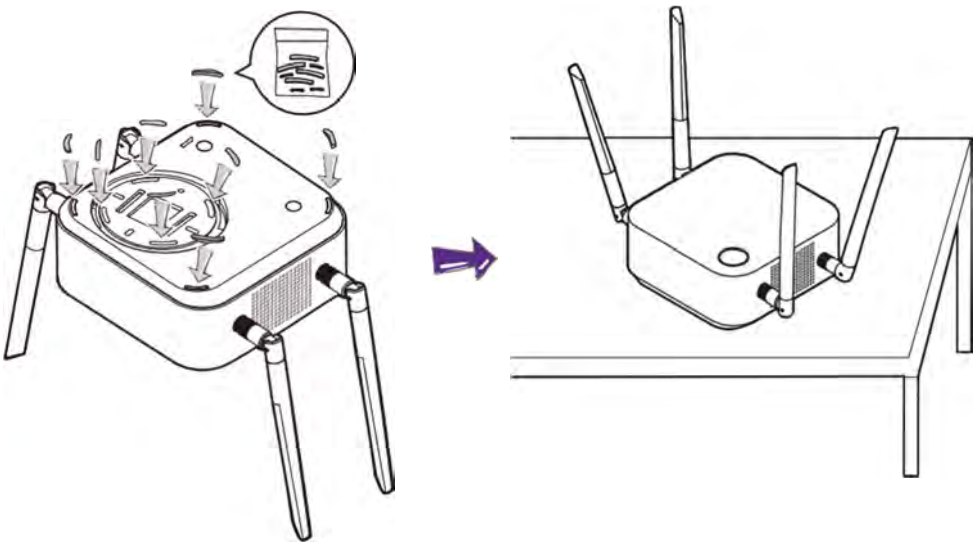


2. Turn the lid counter-clockwise until it clicks into place.

3. When the lid is correctly installed on the Host the alignment hole on the lid should be pointed to the **LOCK** print at the front side of the Host.

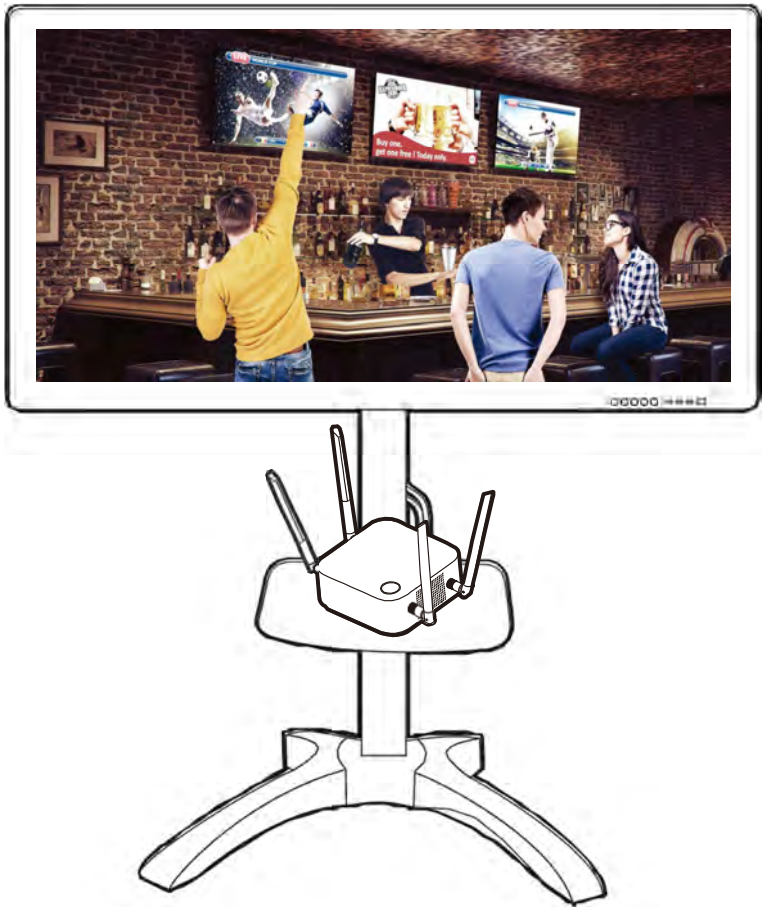


4. Attach the rubber feet to the recesses on the lid and put the Host right next to the display.



- Please only use the rubber foot provided with the kit to attach to the Host.
- Please see Positioning the Host antennas on page 17 for guidelines on positioning the antenna to maximize signal reception.

You can also place the Host on a mobile display trolley. See the illustration.

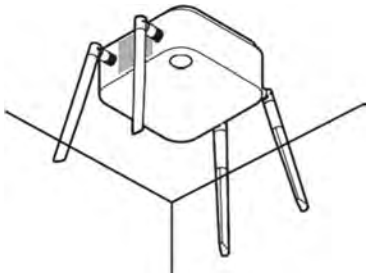


Positioning the Host antennas

Once you have properly installed the Host, follow the guidelines below to position the antennas to maximize signal reception:

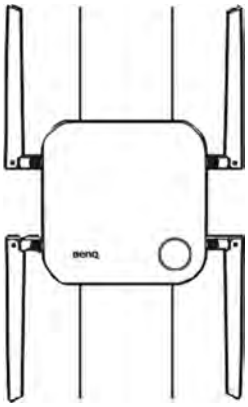
For ceiling installation

Position the antennas so that they are both pointed downwards at an angle roughly perpendicular to the ceiling:

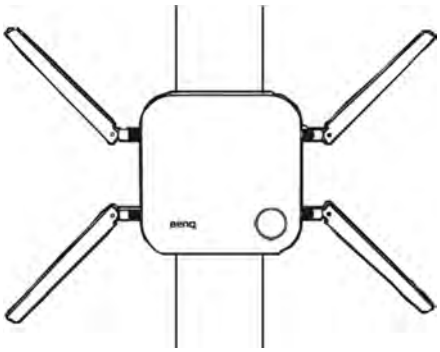


For ceiling mount installation

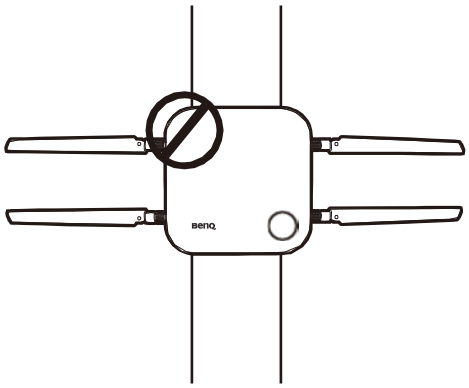
- Position the antennas so that they are both point either upwards or downwards roughly parallel to the ceiling mount:



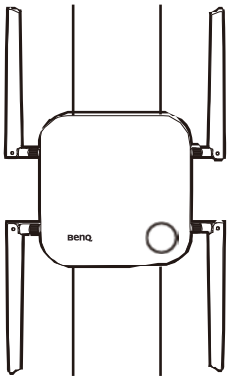
- If you encounter bad signal reception after initial use of the Host you can manually adjust the antennas so that they tilt at a slight angle to maximize signal reception. When doing so, avoid tilting the antennas toward the ceiling mount:



- Avoid positioning the antennas in a horizontal manner, this may result in a weak signal reception:

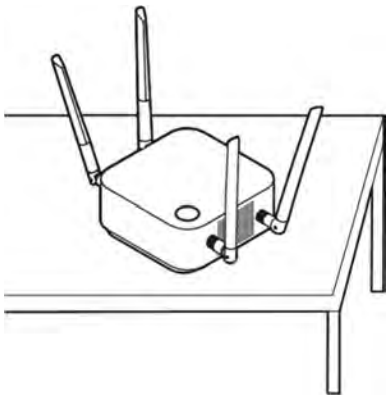


- If the Host is attached to a metallic ceiling mount ensure that the antennas are at least 3 cm away from the metal portion of the ceiling mount:



For table placement

Position the antennas so that they are both pointed upwards roughly perpendicular to the table:

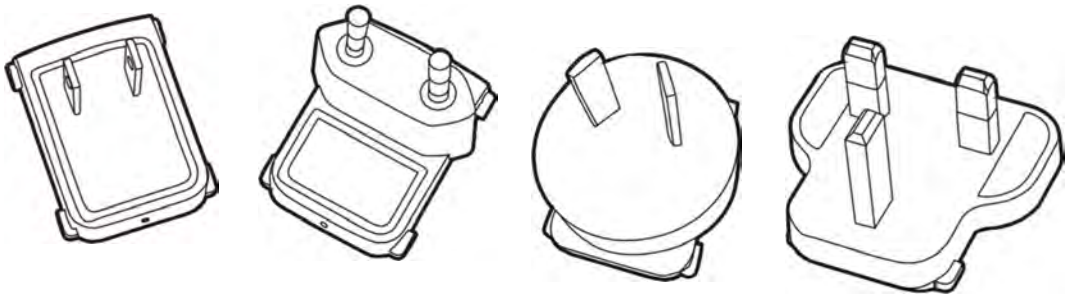


Connecting the HDMI cable and power

Once the Host has been positioned properly near the display, connect the HDMI cable and power to ensure signal transmission.

Assembling the adapter

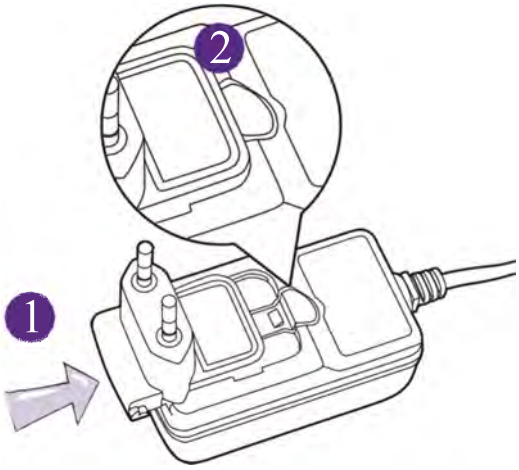
Every adapter provided in the box includes a plug socket and plugs based on the region in which you purchased the product. Below are images of the standard American, standard European, standard Australian, and standard UK plugs:



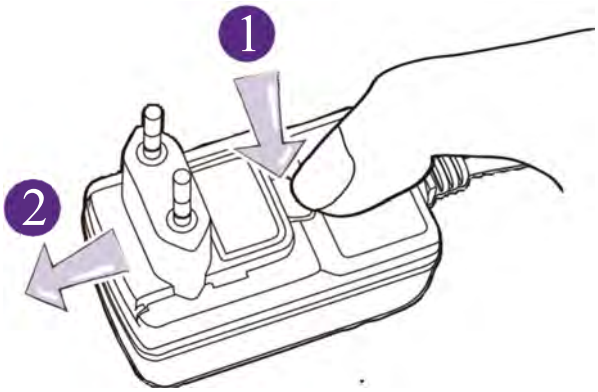
Standard American Standard European Standard Australian Standard UK

To connect the plug of your choice, follow the steps below.

1. Align and insert the plug into the adapter.
2. Push the plug all the way in until it clips into place.



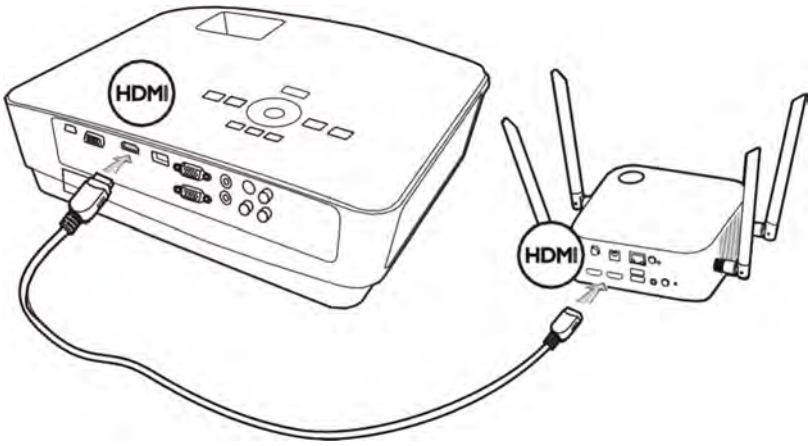
To disconnect the plug, follow the steps below.



1. Push the latch in the middle.
2. Detach the plug by pushing it outward and remove the plug.

Connecting the HDMI cable

Connect the HDMI cable to the HDMI out jack of the Host and the HDMI input jack of the projector.



Power supply via a power adapter

Connect the supplied power adapter to the power jack of the Host, and then plug the other end of the power adapter into a wall socket. The LED indicator on the standby button of the Host lights up static green when the power is supplied.

For BenQ IFP (Interactive Flat Panel) products, please have power supplied via a power adapter.

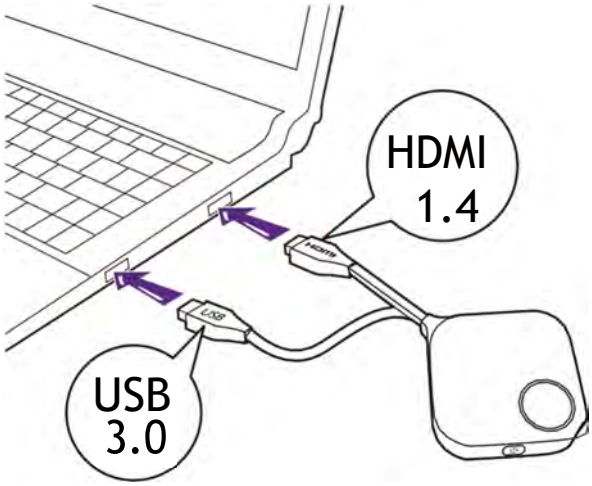
Do not keep the device powered on all the time. For better performance, power off the device for 30 minutes in every 24 hours then restart it.

LAN connection

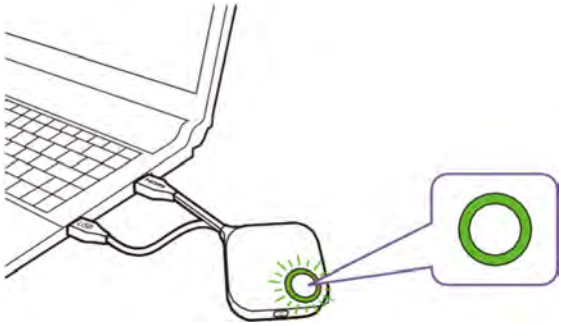
The Host can be connected to a local network or directly to a laptop. The LAN connection can be used to configure your product and update the software. Insert a network cable with RJ-45 connectors into the LAN port and connect the other side to a LAN.

Setting up and powering a Button

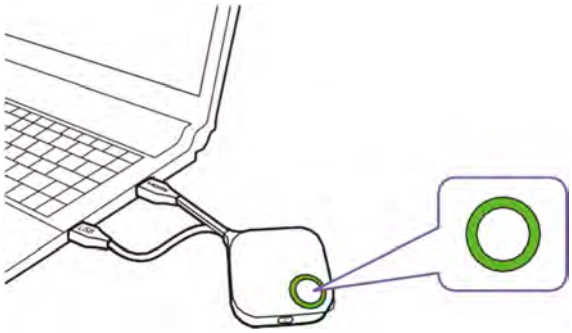
1. Connect the Button's HDMI and USB jacks to the corresponding inputs of a laptop. See the illustration.



2. The LED indicator of the Button will flash green while the Button is starting up.



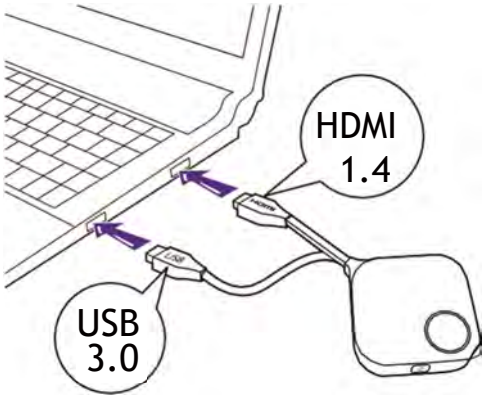
3. When the Button is ready to present, the LED indicator will turn solid green. Press the Present key when the LED indicator turns green.



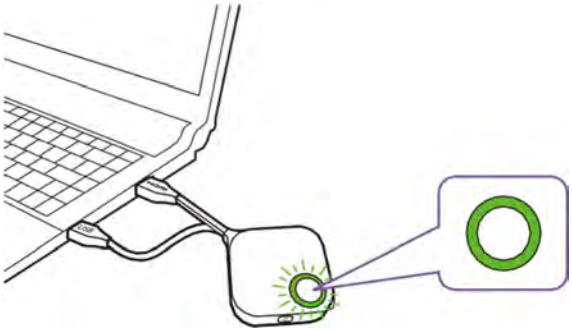
- If the Button encounters problems while pairing with the Host during startup the LED indicator will flash red. Repeat the previous the process again until the LED turns solid green. See LED indicators of the Button and the Host on page 11 for more information on LED behavior.
- Handle the Button cable with care. Rough handling might cause defects.
- Pull/Push the plug instead of the cable when inserting or removing Buttons.

If you purchase an additional Button (via a Button Kit), please follow the process described below:

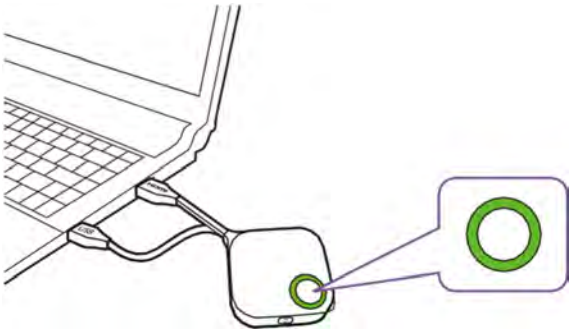
1. Follow the pairing instructions described in Pairing a Button and Host on page 24.
2. Connect the Button's HDMI and USB jacks to the corresponding inputs of a laptop. See the illustration.



3. The LED indicator of the Button will flash green while the Button is starting up.



4. When the Button is ready to present, the LED indicator will turn solid green. Press the Present key when the LED indicator turns green.



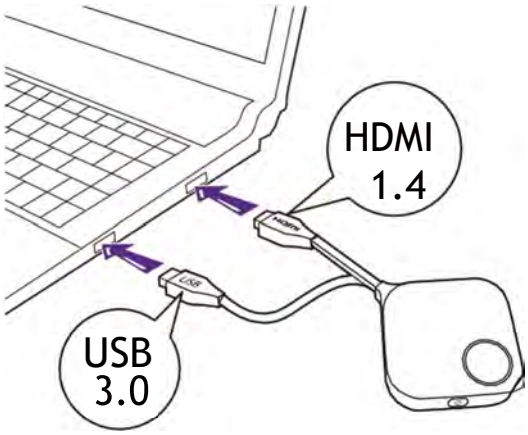
- Handle the Button cable with care. Rough handling might cause defects.
- Pull/Push the plug instead of the cable when inserting or removing Buttons.

Pairing a Button and Host

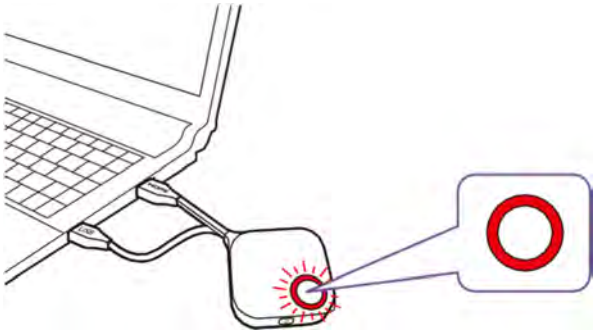
A product set includes a Host and two Buttons, which are paired before shipment. In such a case, you don't need to pair them again. However, if you buy two or more product sets, and you want to pair a Button with a different Host, you need to follow the instruction below. If you buy an additional Button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

When the Host is placed on a table

1. Make sure your Host is ready with power supply. Connect the Button's HDMI and USB jacks to the corresponding inputs of a laptop.

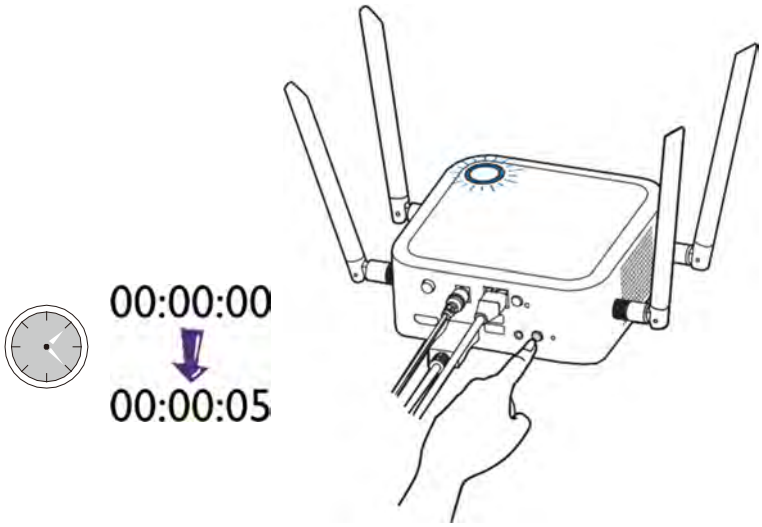


2. When the new Button is connected to the laptop, the LED indicator of the Button will flash red.



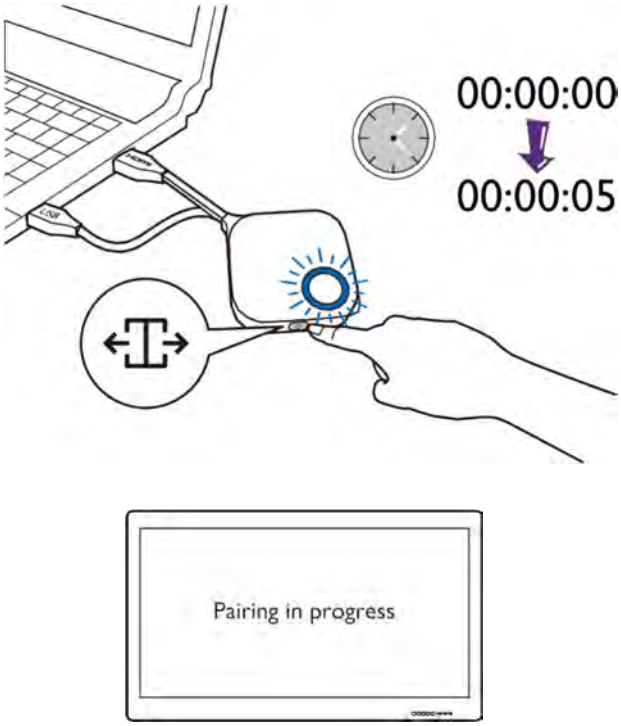
If a Button nearby has been paired with a Host before, it will turn static green.

3. Press the **PAIRING** key of the Host for five seconds, the LED indicator of the Host will blink blue for two minutes, waiting to pair with a Button.



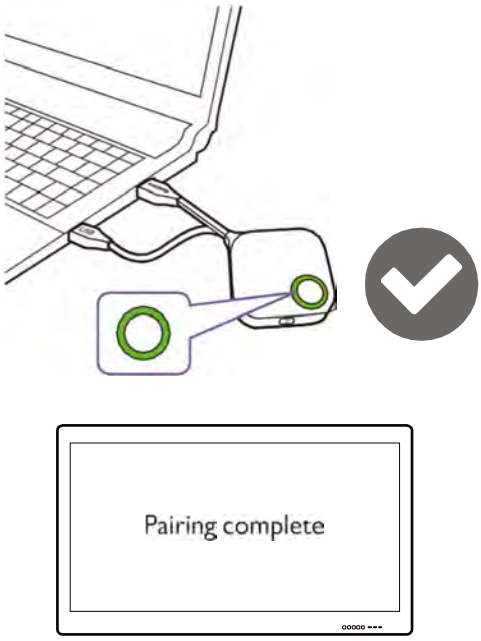
If the Host is attached to the ceiling so that it is not easy to press the **PAIRING** key, please use the pairing process in the web management interface. Refer to Pairing on page 49 for information.

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 10 seconds. The pairing process is ongoing. The "Pairing in progress" message will be shown on the screen.



The images are for reference only. Each product has different serial number.

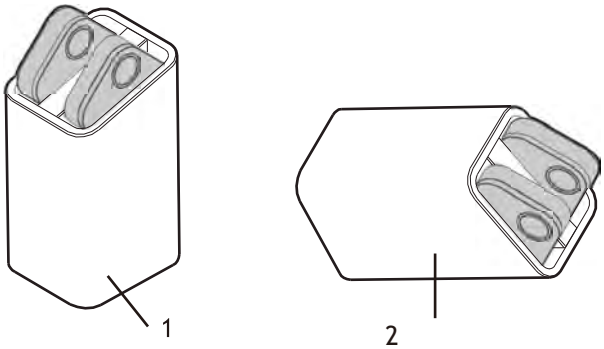
5. The LED indicator of the Button turns static green and a “Pairing complete” message will be shown when the Host and Button are successfully paired.



The maximum number of Buttons you can pair with one Host is 32.

Storing Buttons and USB cable in the cradle

You are provided with two different ways to store the Buttons in the cradle. Place the Buttons in the cradle vertically (1) or horizontally (2). See the illustrations.



Resetting a Host

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

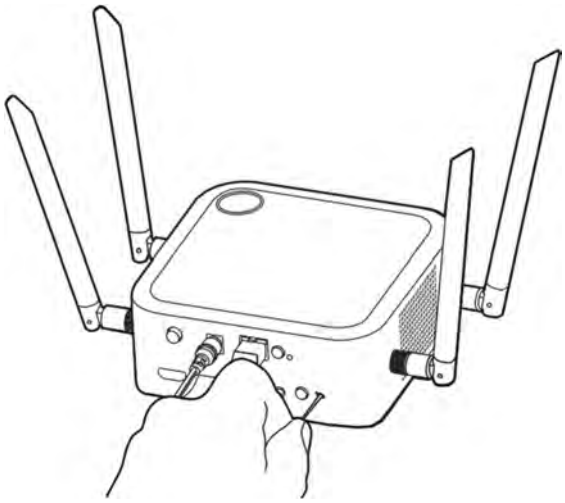
- You want to clear the web management interface of all changes made to its configurations, such as pairing information, passwords, SSID, Frame Rate, etc. and return it back to its default settings. Refer to Web management on page 35 for more information.
- You are unable to access the web management interface (for instance due to an altered or lost password).

Reset the Host using the following steps:

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

After the Host has been connected to a power source for at least 90 seconds, the Host LED may indicate any one of the statuses described in LED indicators of the Button and the Host. As long as the Host 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 Host LED.

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



3. The Host LED will begin quick flashing red (flash red twice every second) for 10 seconds, then light up static white for 3 seconds, indicating that the Host is resetting.
4. Once the Host LED lights up static green the resetting process is complete.

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

Resetting a Button

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

- You purchased an additional Button (via a Button Kit) which has not been paired to a Host.
- A Button that was included in the original package has been paired to a different Host (one which was not originally included with the Button in the package), and you want to quickly pair it back to its original Host.
- A Button that was included in the original package has been paired to a different Host (one which was not originally included with the Button in the package), and you want to re-pair the Button to its original Host while the Host is not powered on.

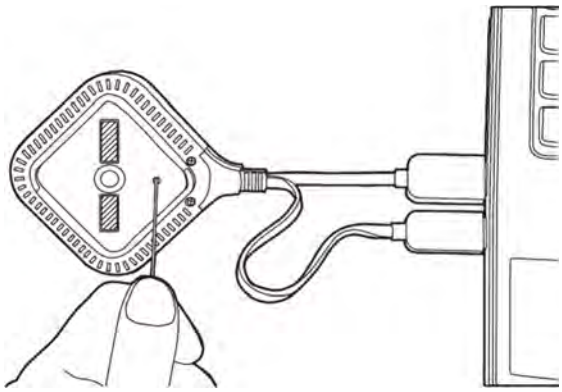
Reset a Button using the following steps:

1. If the original Host is powered on, place the Button within range of the original Host and ensure the LED on the Host is static green.

2. Connect the USB 3.0 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 LED indicators of the Button and the Host. 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.

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



4. The Button LED will begin quick flashing red (flash red twice every second) for 10 seconds, then light up static white for 2 seconds, indicating that the Button is resetting.

5. 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 Host 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 page 55 for more information.

To enable network standby mode, do one of the following:

- wait for the Host to enter network standby mode automatically if no wireless devices (e.g., a Button, a mobile device, or a laptop) being connected to the Host's SSID and no data (from any USB devices such as a mouse, a keyboard, or from touch back function) being transmitted to the Host within the set time.
- if there is no wireless devices being connected to the Host's SSID within the set time, press the standby button on the Host to enable network standby mode immediately.

The LED indicator on the Host 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 Host's SSID; or
- data (from any USB devices such as a mouse, a keyboard, or from touch back function) is transmitted to the Host; or
- you press the standby button on the Host.

Starting and stopping presentations

This section will guide you on how to start and stop a presentation using the product.

Getting ready

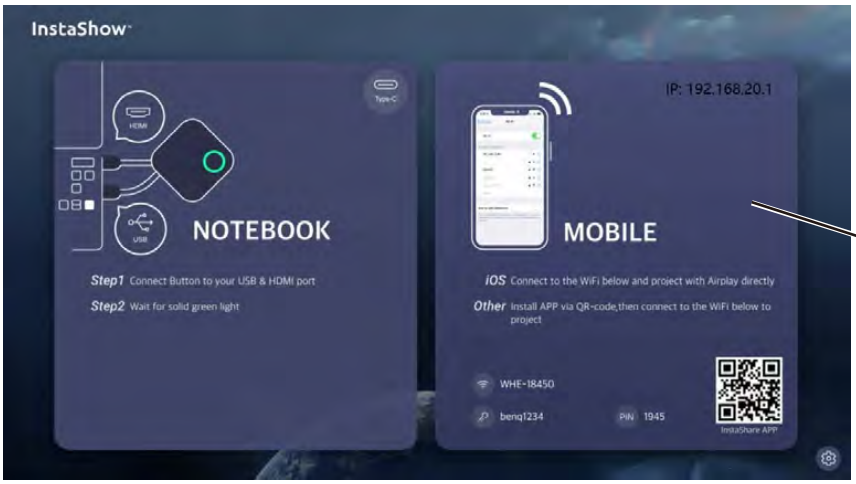
Make sure that all the connected devices have been powered on and ready for the presentation.

As the product could work with different projectors, IFPs, TVs, or monitors with standard HDMI ports, the steps required to start a presentation may vary according to the actual environment and your display specifications. Follow the procedures below and refer to the specified sections for details.

1. To start a presentation, see Starting presentation on page 29 for details.
2. To stop a presentation, see Idle presentation on page 30 for details.
3. To start a split-screen presentation, see Split screen presentations on page 31 for details.
4. To start a presentation with a mobile device, see Presenting with mobile devices on page 33 for details.
5. To control presentations via a touchscreen displays or mouse/keyboard see Touch back on page 34 for details.

Starting presentation

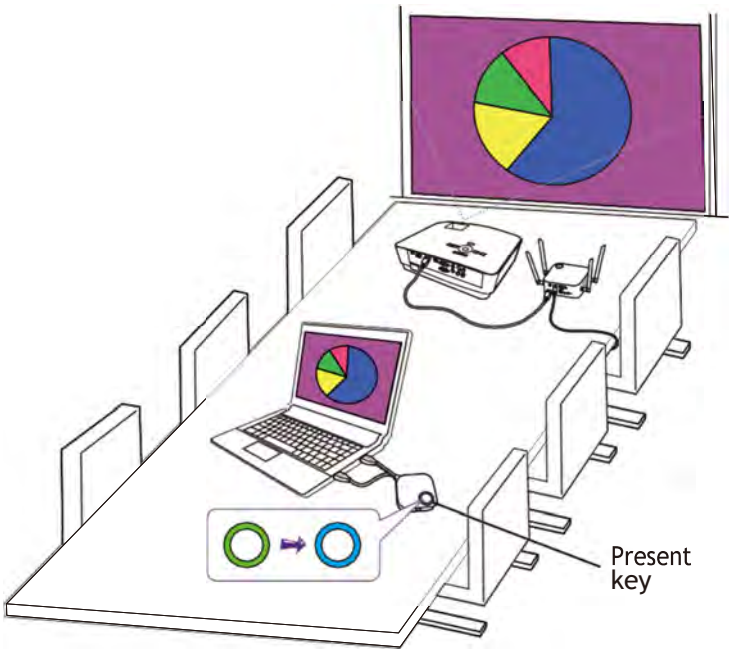
1. Make sure power is supplied to the Host. See Connecting the HDMI cable and power on page 18 for more information.
2. Choose the HDMI source corresponding to the Host on the display. You will see the Guide screen.



Guide Screen

3. Please follow the instruction on the Guide screen to supply power to the Button. You can also see Setting up and powering a Button on page 21 for more information. The LED indicator on the Button is static green when the Button is connected and working properly.
4. To start a presentation, press the Present key.

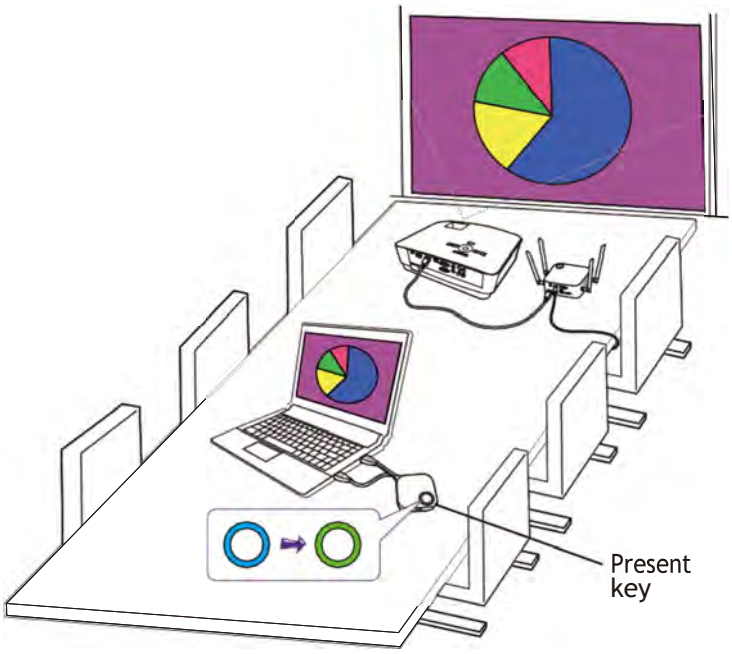
5. The device starts presenting, and the LED indicator of the Button turns static blue.



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

Idle presentation

1. To stop a presentation, press the Present key.
2. The device stops presenting, and the LED indicator of the Button turns green.
3. Users can press the Present key to return to the presentation.



Split screen presentations

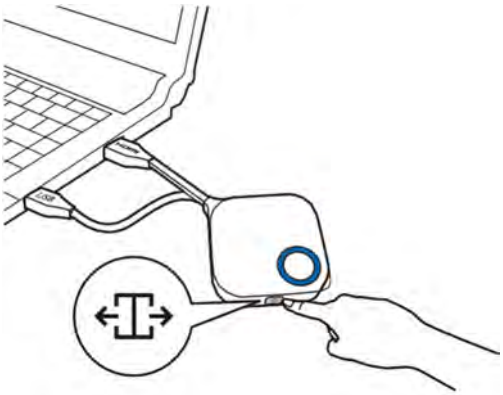
The product allows up to 8 users to present simultaneously in a split screen orientation.

Starting a split screen presentation

1. Connect a Button to each computer that will be presenting in the split screen presentation. See Setting up and powering a Button on page 21 for more information.

Make sure that all Buttons have already been paired to the Host projecting the presentation. See Pairing a Button and Host on page 24 for more information.

2. Start a normal presentation using one of the Host buttons. See Starting presentation on page 29 for more information.
3. Press the split screen button on the Host that started the presentation to enable split screen presentations.



4. Once a notification appears on-screen indicating that the split screen function has been enabled, press the Present key on the Button of the second computer that wants to join the split screen presentation.
5. Repeat step 4 for all other users that want to join the split screen presentation.

- Only up to 8 users are simultaneously supported in a split screen presentation.
- The layout of the split screen presentation will be dictated by the amount of users in the presentation.
- If split screen is not enabled by the initial Button, all subsequent connections by other Buttons will be full screen presentations.

Switching from a split screen to a full screen presentation

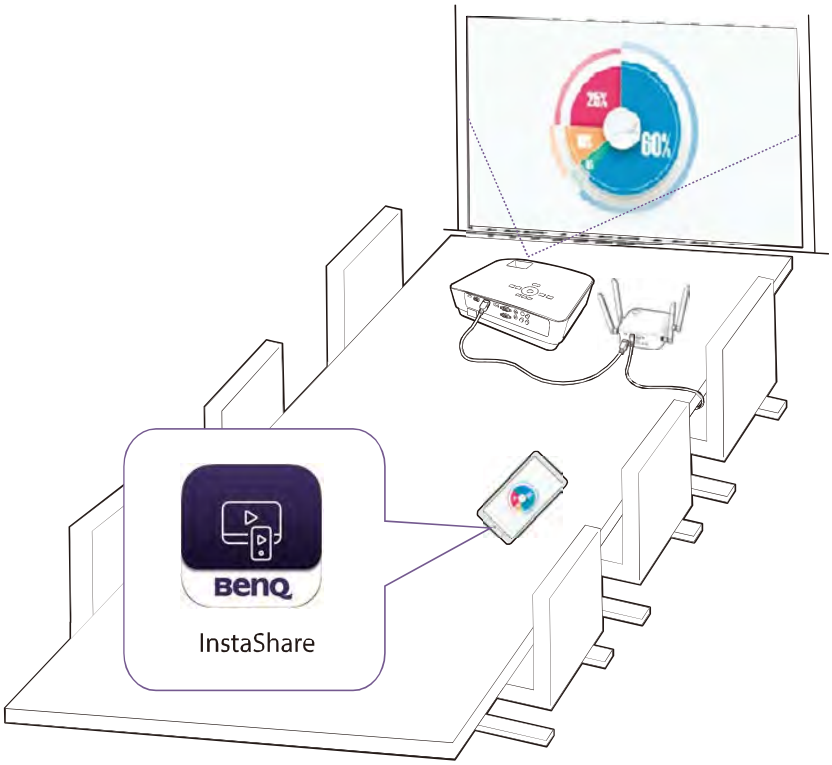
Once in a split screen presentation you can switch to a full screen presentation of any of the participant's screen by pressing the split screen button on the Button of the computer that wants to present in a full screen.

To return to a split screen presentation repeat the steps in Starting a split screen presentation on page 31.

Presenting with mobile devices

Users with mobile devices can connect their mobile devices to the Host and make a presentation via the InstaShare app by following the steps below:

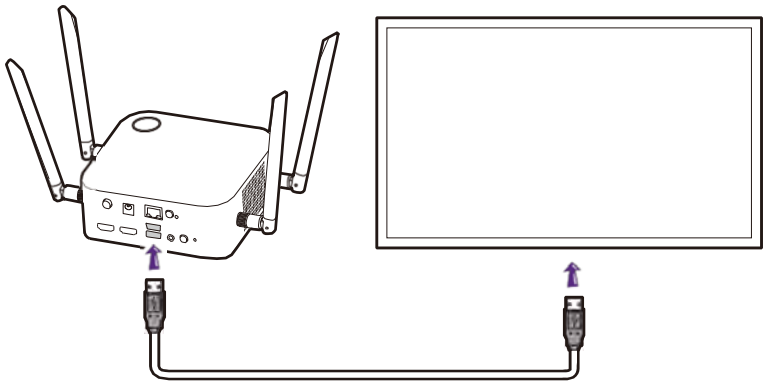
1. Install the InstaShare app on your mobile device using the QR code located on the guide screen.
2. The name of the Host is displayed on your mobile device's Wi-Fi menu, select it to make a Wi-Fi connection. No password is required.
3. Select a desired function and follow the on-screen instructions to project.



Functions and interface of the app may be updated without prior notice

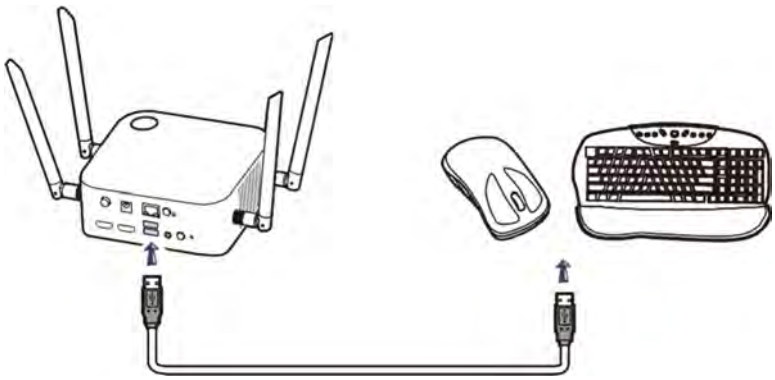
Touch back

When a Host is connected to a touchscreen display and a PC is presenting via a Button, you can use a USB Type-A cable to connect any of the USB ports located at the rear of the Host to the touch input USB port of the display to control the interface of the PC remotely via touch gestures on the display.



The product only supports touch back for Windows-based PCs. It does not support touch back for MacBooks or smartphones connected via the InstaShare app.

For presentations that do not feature a touchscreen display, you can connect a USB mouse and/or USB keyboard to any of the USB ports located at the rear of the Host to control the interface of the presenting computer and input text remotely via the mouse/keyboard.



Web management

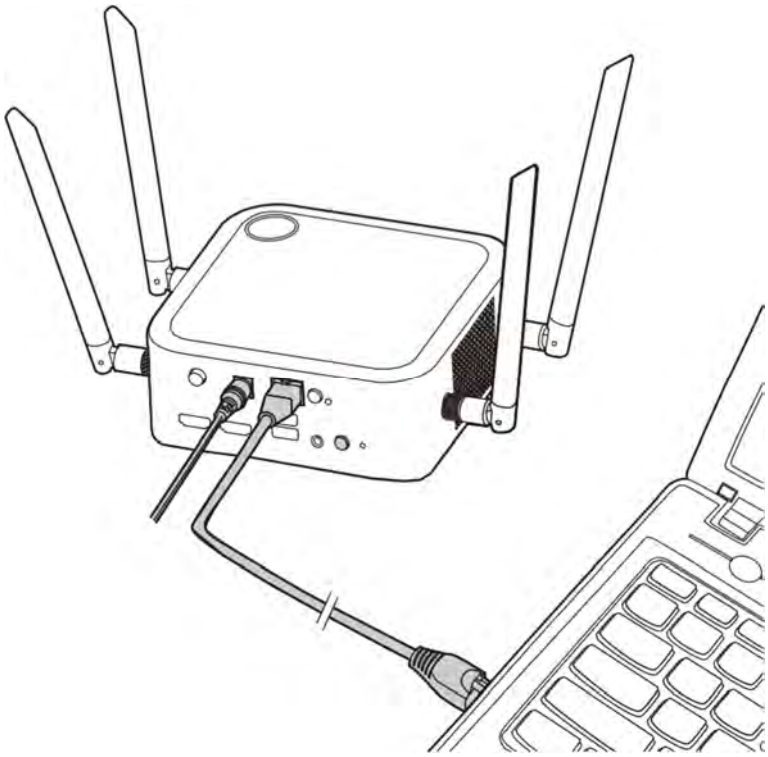
The product is equipped with a web management interface that enables you to configure its features through a browser such as Google Chrome (version 49.0.26), Internet Explorer (version 8.0), or Firefox (version 46.0.1).

The features may vary according to different firmware versions.

Accessing the web management interface

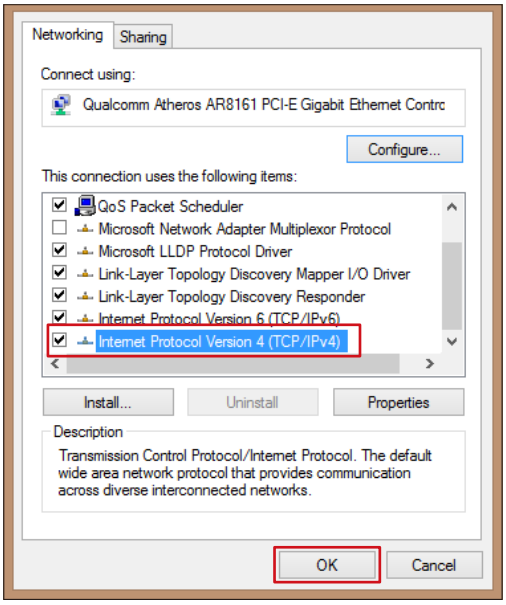
Logging into the web management interface via direct connection

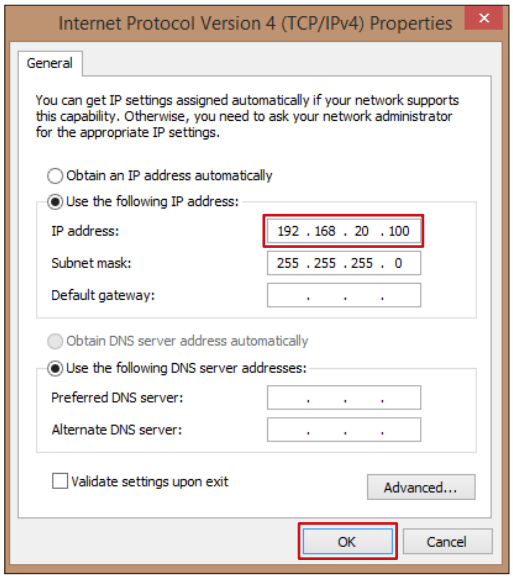
1. Connect your Host directly to a laptop using a network cable (RJ-45) and to a power source using the power adapter.



2. Wait until the LED indicator on your Host lights up static green.

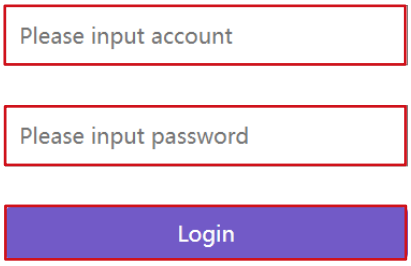
3. The default IP address of your Host is 192.168.20.1 Change your laptop's IP address to 192.168.20.x (e.g. 192.168.20.100).





4. On your browser, enter the IP address: 192.168.20.1 At the first access to the web management interface or after a firmware upgrade, you may be prompted to change the password to proceed. Enter the default password (0000) as the old password, and set a new one.

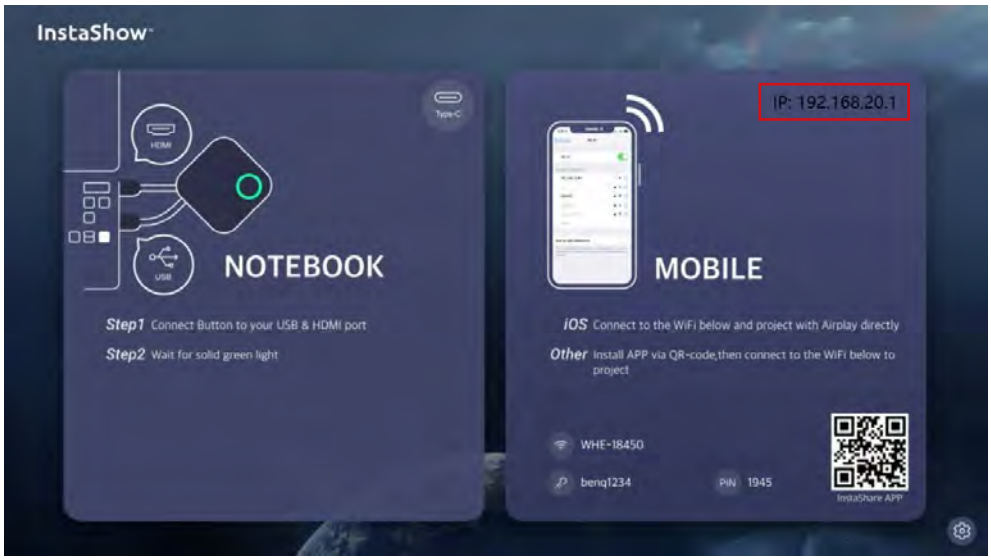
If you are not requested to change the password on the login page, enter the default user name (admin) and your password (as changed earlier).

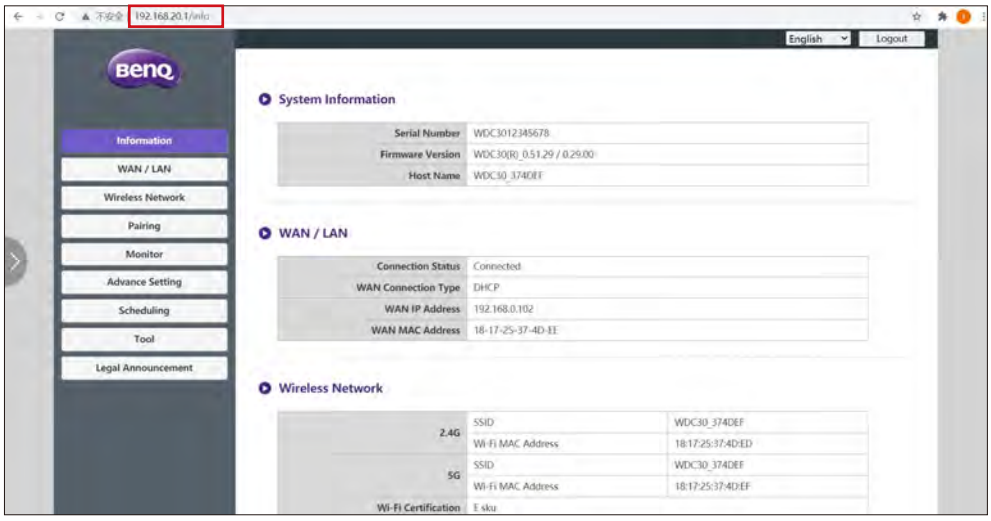


5. You will successfully log into the web management interface.

Logging into the web management interface via LAN

If your Host is connected to your LAN, you can enter the IP Address shown on the screen via a web browser.





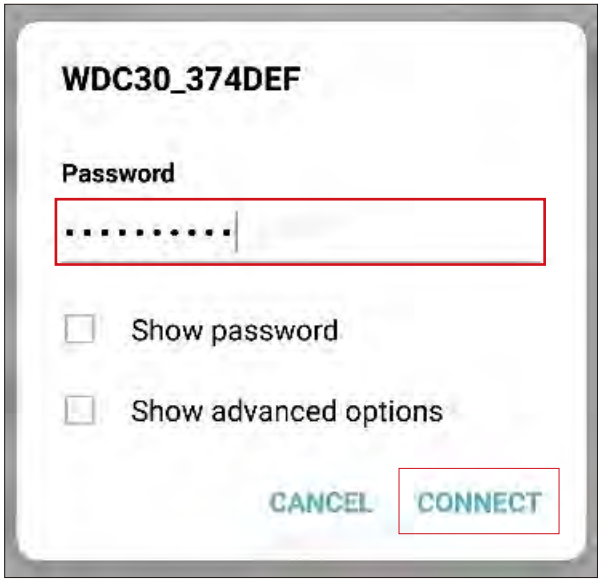
Logging into the web management interface via a wireless network

The product supports 802.11 ax/ax/n. It is compatible with most devices with Wi-Fi capability (e.g. laptop or mobile devices), you can locate the Host via the WDC30_xxxxxx SSID (shown in the Guide/Idle screen) in your laptop or mobile device's wireless network menu and connect to it. The default password is the same as the name of the SSID (for example, if the SSID is "WDC30_374DEF", the password will be "WDC30_374DEF"). When the device is connected to the Host, enter the IP Address, "192.168.20.1" in a web browser, then enter the user name and password as shown in step 4 of Logging into the web management interface via direct connection on page 35.

The following is an example of how you can log into the web management interface via a mobile device with IEEE 802.11 ax/ax/n.

1. Go to **Settings** > **Wi-Fi**, and you can find the SSID of your Host:WDC30_374DEF.

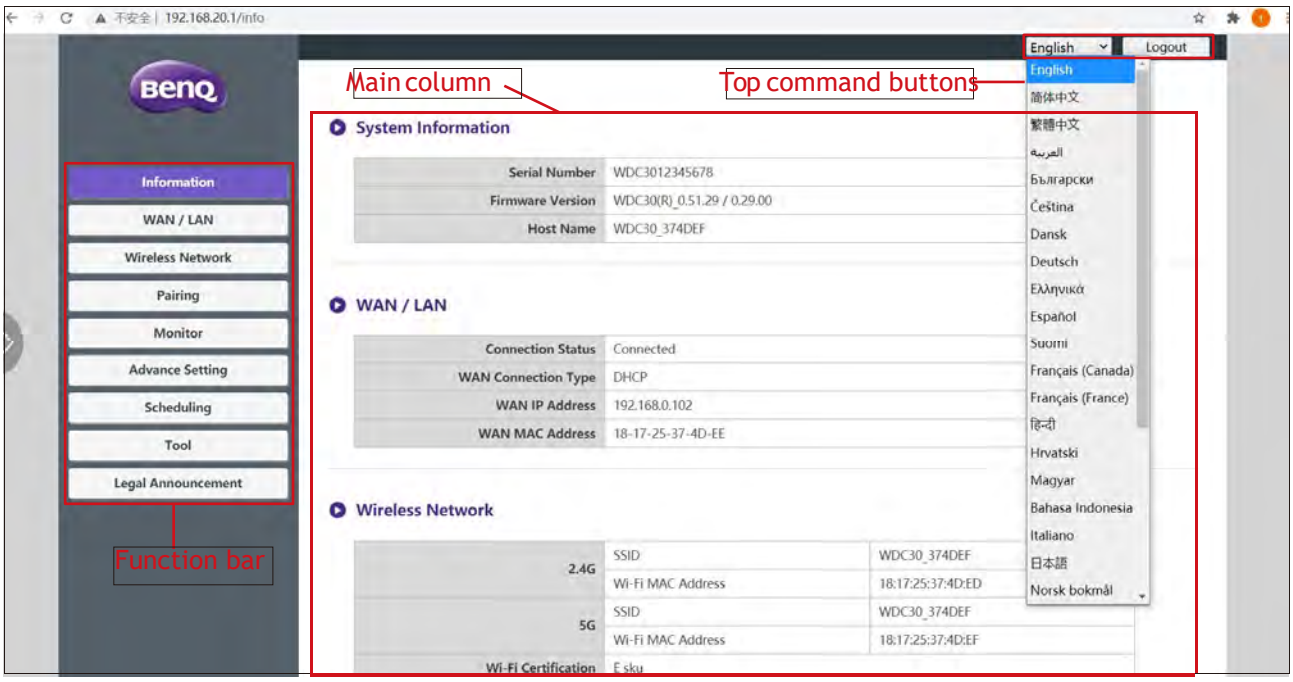
2. Enter the default password “WDC30_374DEF” and press **Connect**.



3. Access the web management interface following step 4-5 of Logging into the web management interface via direct connection on page 35.

Getting started

You can now use the web management interface to configure various settings of your Host.



Top command buttons

Change language

1. The default language is English. To change the interface language, go to the language settings panel and you can see all available languages.
2. Click the language you want to switch to and your new language will be set.
3. Once a new language has been set both the web management interface and the product's OSD will feature the new language.

Supported languages vary by country/region where you purchase.

Logging out

Click **Logout** on the upper right corner.

Function bar

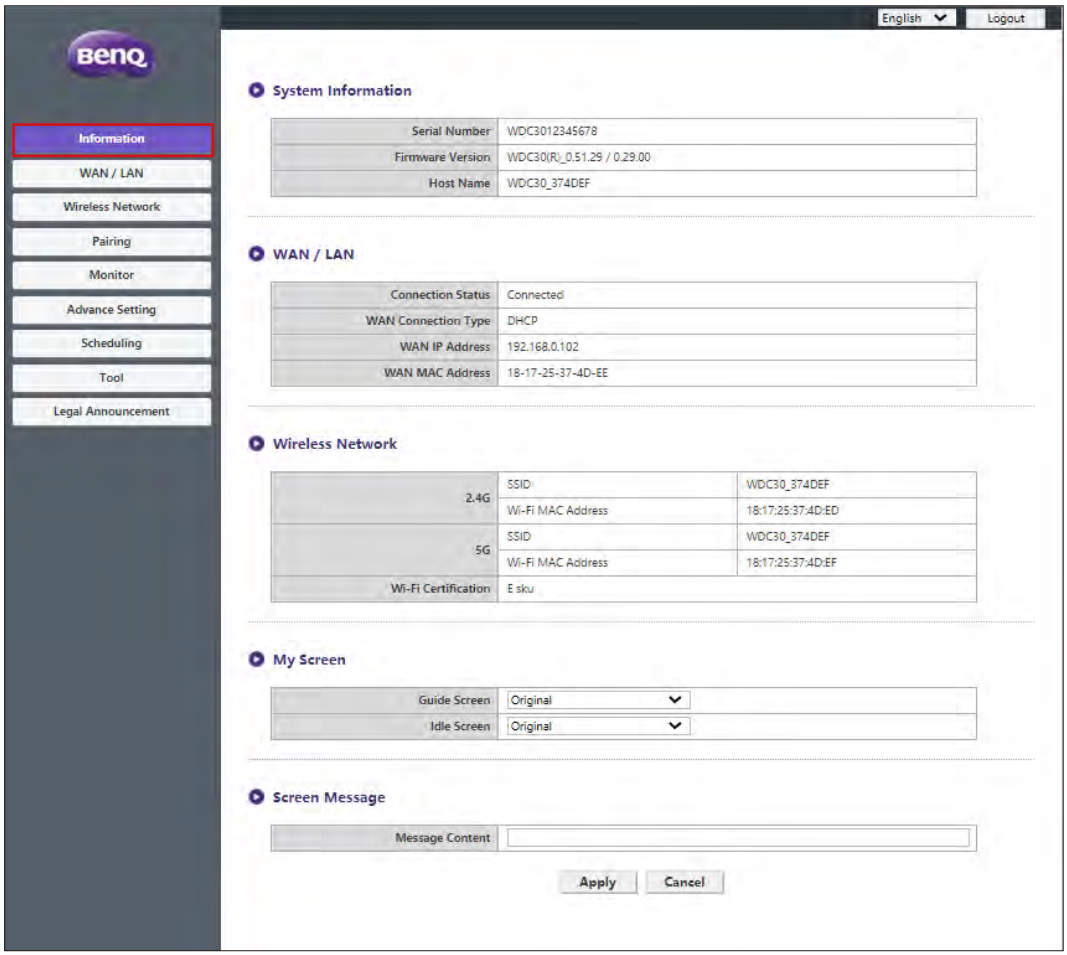
The function bar shows the settings menus available in the web management interface.

Main column

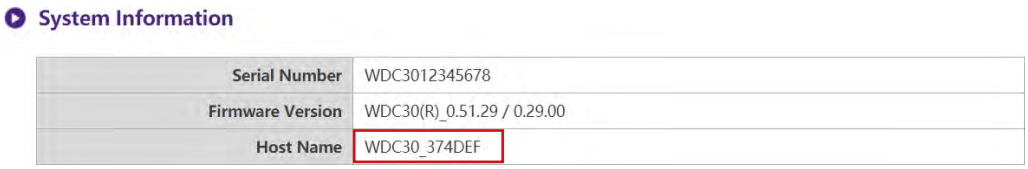
The main column shows the detailed content from the function bar.

Information

Click **Information** and you will see detailed information for **System Information**, **WAN / LAN**, **Wireless Network**, **My Screen**, and **Screen Message**.



You can change the **Host Name** under **System Information.**



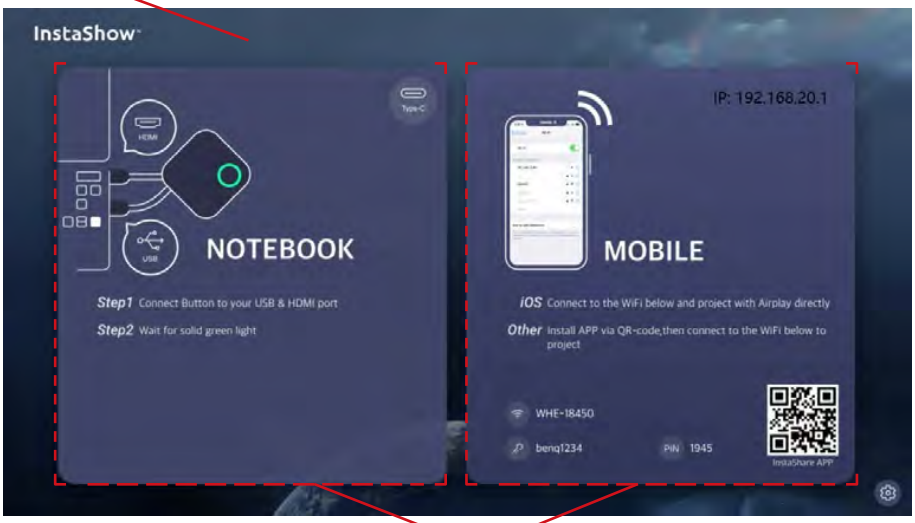
If the SSID (host name) is changed, you need to pair the Button(s) to the Host again.

You can change the background image for the Host's guide screen and/or idle screen by selecting **Custom** in the **Guide Screen** or **Idle Screen** fields, then clicking the **Select Image** button that appears, and then navigating to and selecting the image file on your local folder you want as either the Hosts **Guide Screen** or **Idle Screen**.

- To hide the tutorial boxes on either the **Guide Screen** or **Idle Screen**, check the **Tutorial Hide** box.
- To revert to the default **Guide Screen** or **Idle Screen**, select **Original** in the respective screen's field.

Background Image

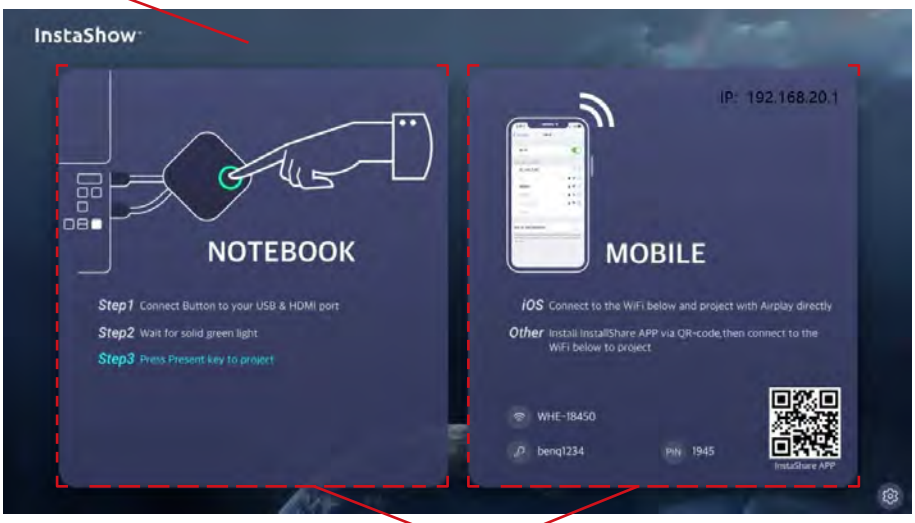
Guide Screen



Tutorial Boxes

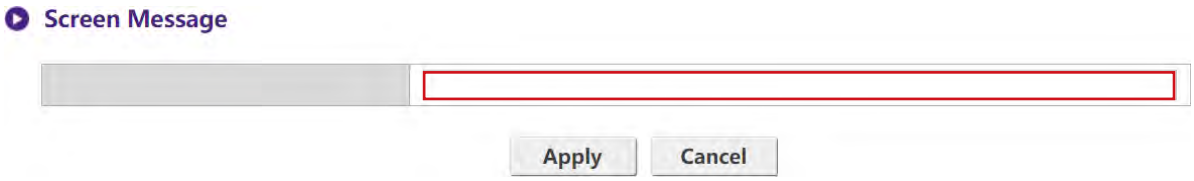
Background Image

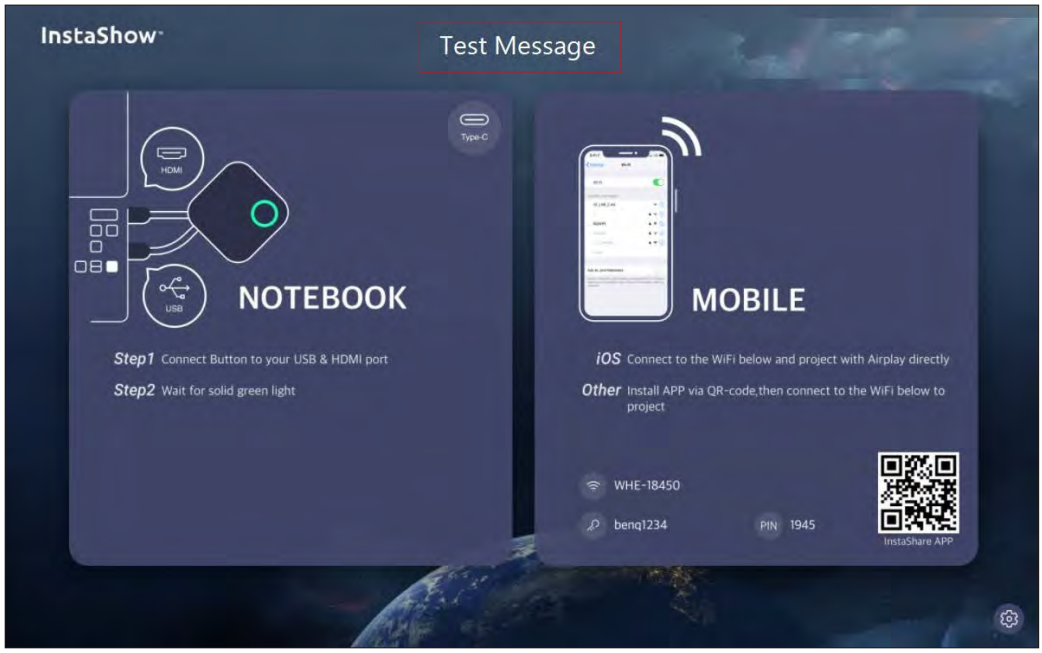
Idle Screen



Tutorial Boxes

You can enter messages under **Screen Message**. After filling in a message, press **Apply** to proceed. Your message will be shown at the top of the Guide/Idle Screen.

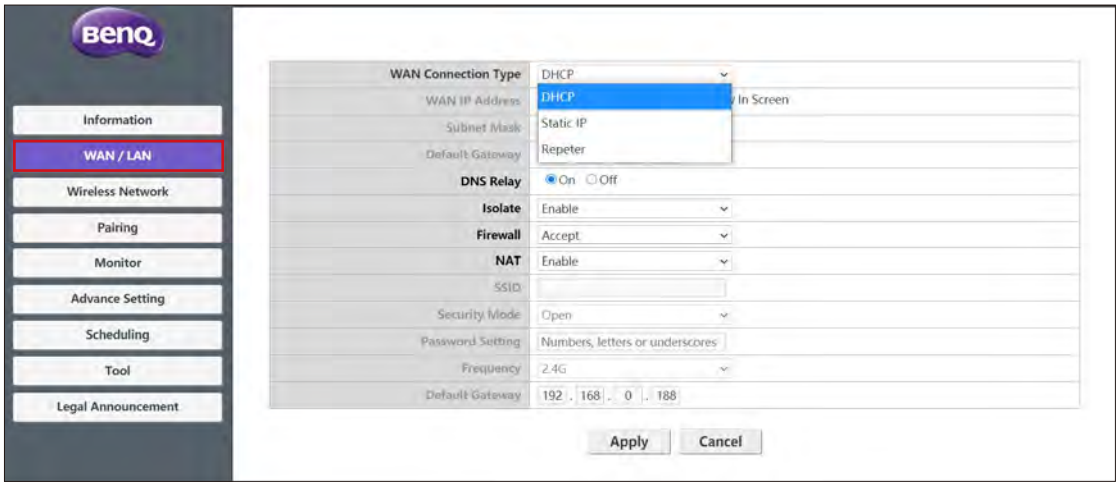




For **Screen Message**, the maximum lines allowed is 1 line, and the maximum number of characters allowed per line is 100 characters (alphanumeric or Chinese).

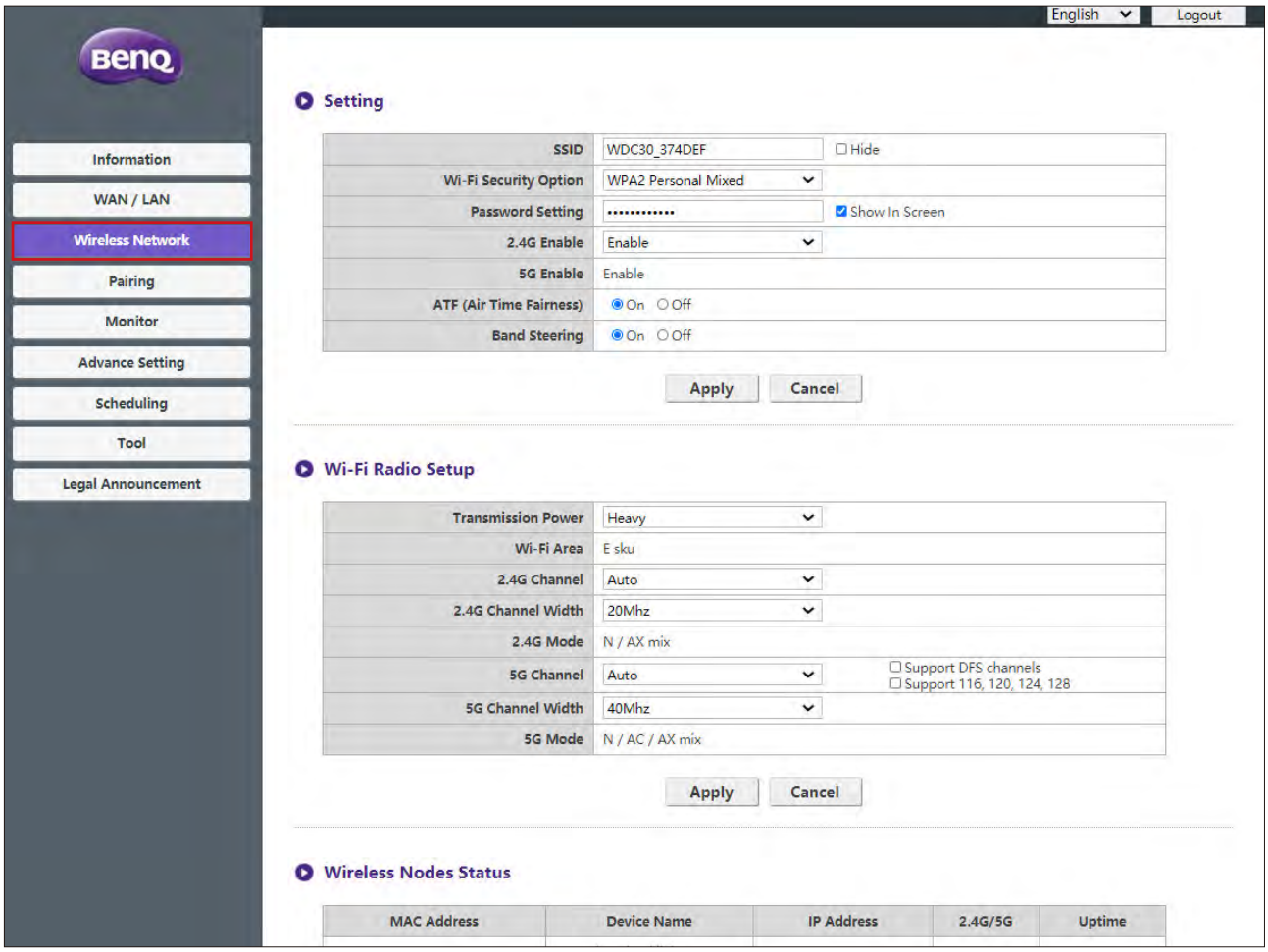
WAN / LAN

Click **WAN / LAN** and you will see the default **WAN IP Address** of the Host. The default connection type is HDCP which acquires the IP Address from your HDCP server of your network. If you want to change your **WAN IP Address**, choose **Static IP** under **WAN Connection Type**. Press **Apply** after changing the **WAN IP Address**.



Wireless Network

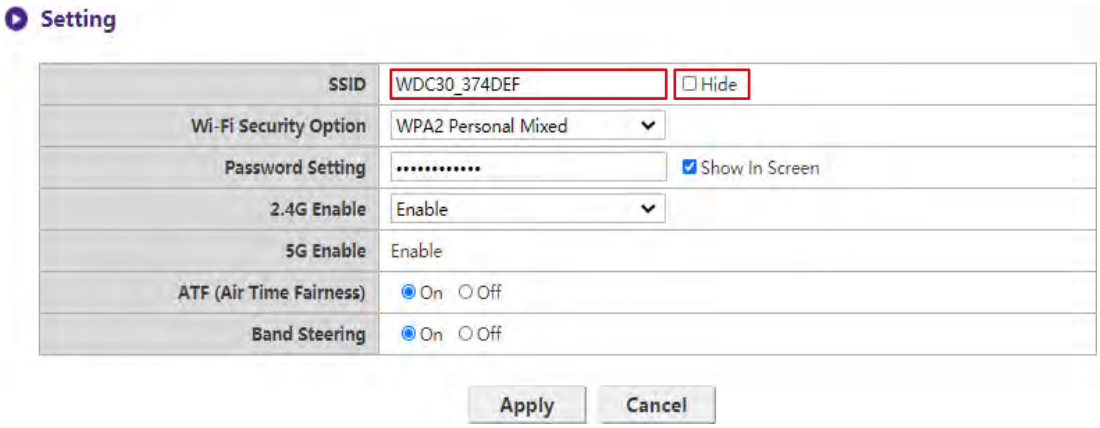
Click **Wireless Network** and you will see the **Setting**, **Wi-Fi Radio Setup**, and **Wireless Nodes Status** menu for the Host.



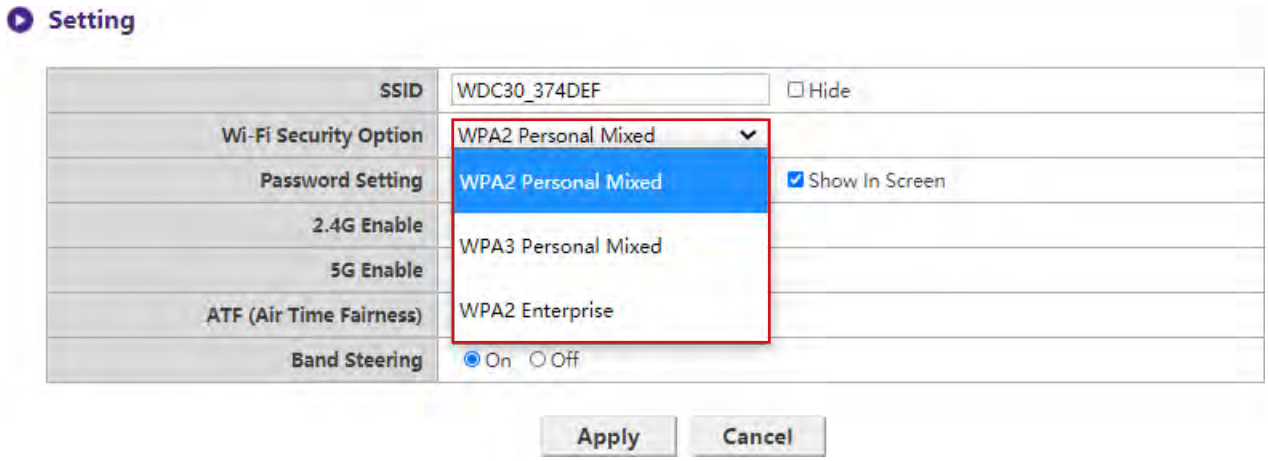
Setting

The Wi-Fi SSID for the Host is displayed in the SSID field. The SSID for the Host is based on the **Host Name** set in the **Information** > **System Information** menu, to change the SSID for the Host use the **Host Name** field in the **System Information** menu.

If you prefer not to show SSID and password, check **Hide**.



Wi-Fi Security Option provides the user **WPA2 Personal Mixed**, **WPA3 Personal Mixed** and **WPA2 Enterprise** security options for the Host's wireless connection when users access the web management interface via a wireless network.



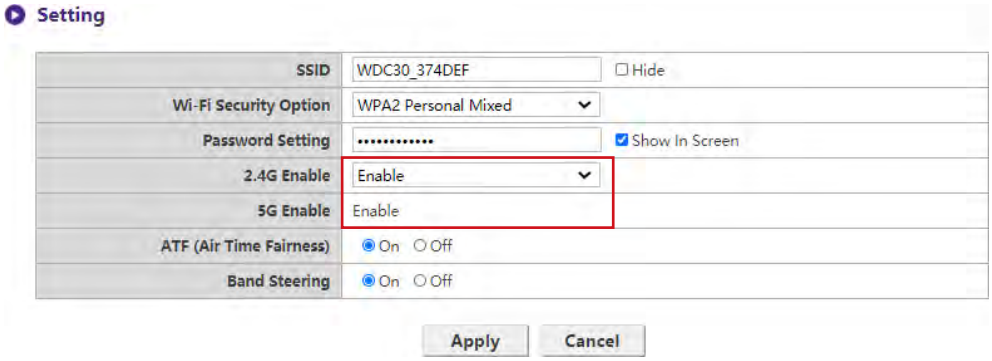
WPA2 Personal Mixed, **WPA3 Personal Mixed** allows users with various encryption methods to connect to the Host, which may be needed for users with older wireless devices.

WPA2 Enterprise usually is used in company networks. WPA2 Enterprise uses IEEE 802.1X, which offers enterprise-grade authentication though RADIUS server, which provides more secure wireless connections.

The Wi-Fi security options described above only applies to the Wi-Fi connection used to access the web management interface via a wireless network. The Wi-Fi connection used for data transfer between the Host and Buttons utilizes a fixed WPA2-PSK security setting which cannot be changed.

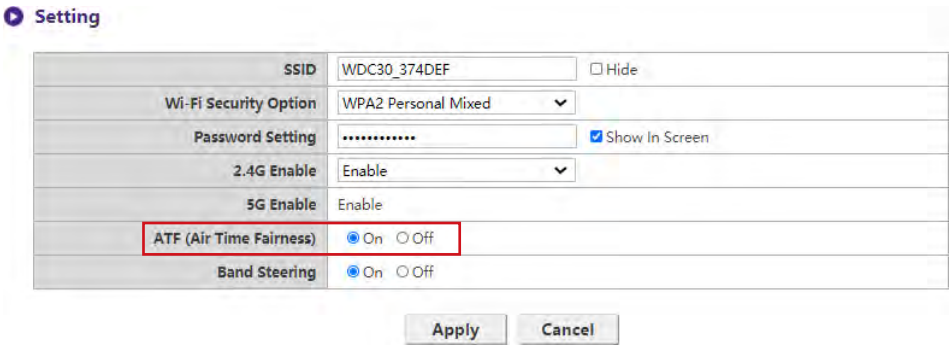
Password Setting allows you to change the password of the Host. If the password is changed, you need to pair the Button(s) to the Host again.

You can choose the available frequencies for the Host's Wi-Fi signal in the **2.4G Enable** and **5G Enable** fields. A 2.4G Wi-Fi signal is a signal that features a larger coverage range but slower data speeds and is more commonly used by older mobile devices, while a 5G Wi-Fi signal features faster data speeds at a smaller range. To enable or disable either 2.4G Wi-Fi signals by selecting **Enable** or **Disable** in the **2.4G Enable** fields.

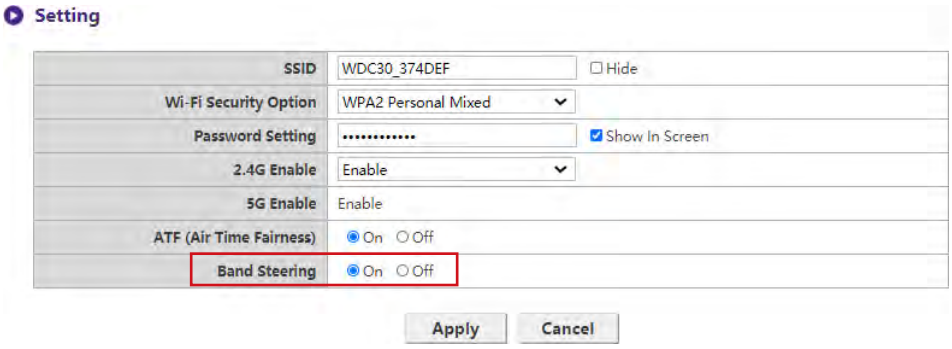


- Certain mobile devices are unable to access 5G Wi-Fi signals due to hardware limitations. If your mobile device is unable to connect to the Host via Wi-Fi, select **Enable** in the **2.4G Enable** field.
- Both **2.4G Enable** and **5G Enable** can be enabled at the same time.

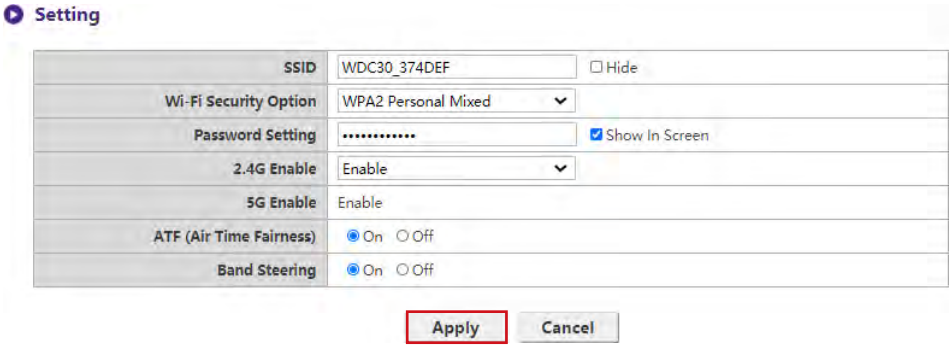
ATF (Air Time Fairness) allow faster clients to have more airtime than slower clients that boost the overall network performance. However this may make slower clients even slower.



Band Settring is a feature that balances dual-band capable wireless clients to connect to the faster 5GHz Wi-Fi, and leave the 2.4GHz Wi-Fi less-crowded for those clients who support 2.4GHz only; therefore to improve Wi-Fi performance for all the clients. When using Band Steering you will only have to connect one SSID ("WDC30_XXXXXX") with one password.

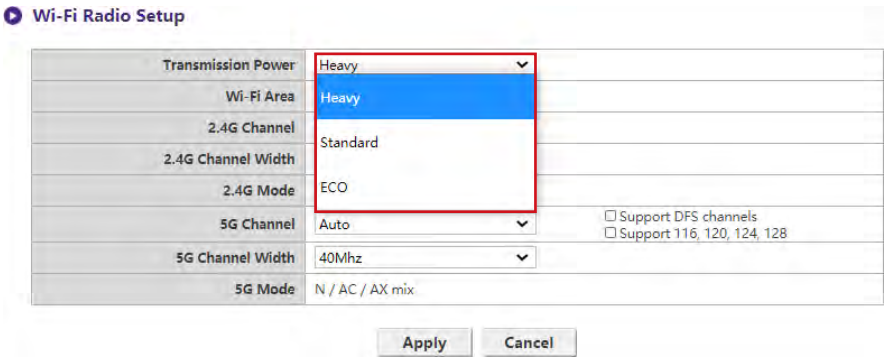


After you configure all the **Wireless Network** > **Setting** items, press **Apply** to proceed.

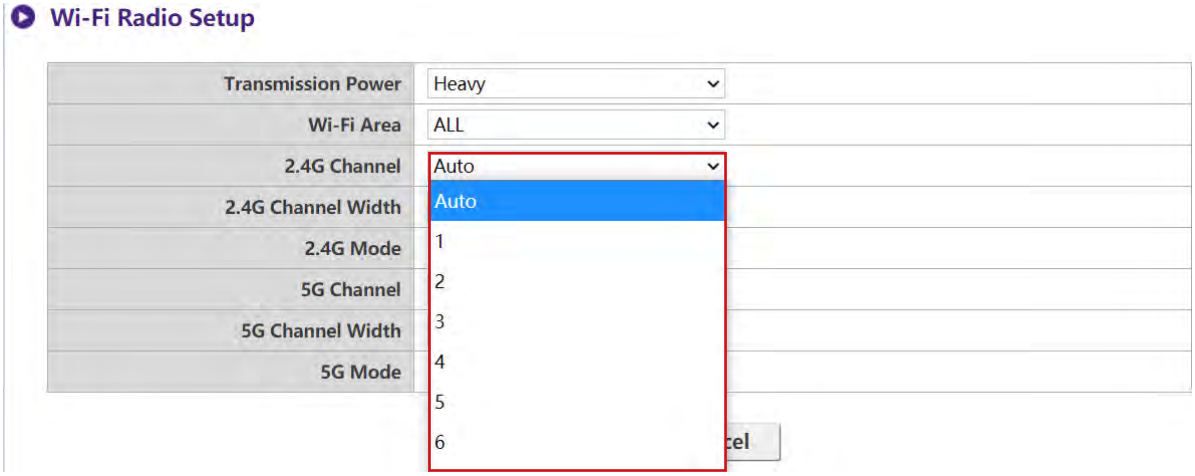


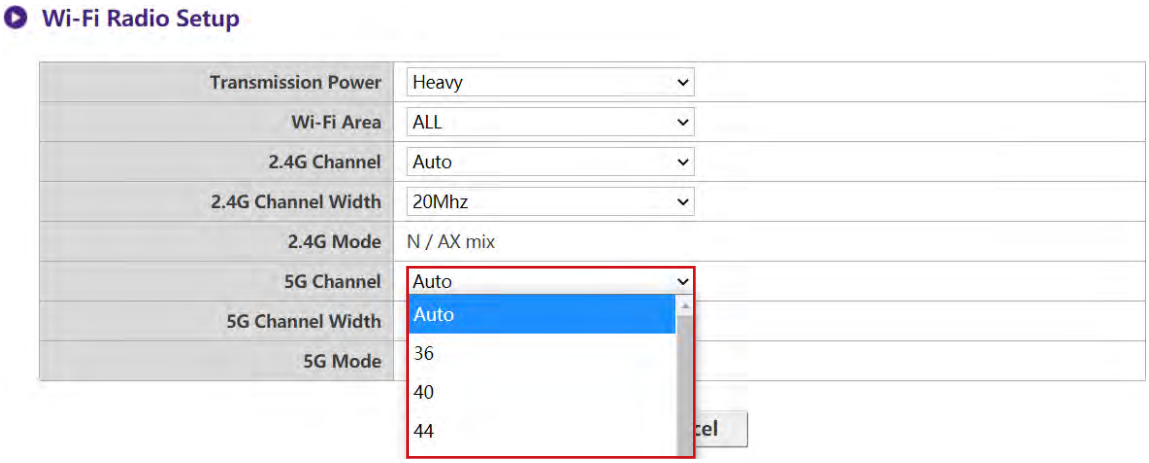
Wi-Fi Radio Setup

In the **Transmission Power** field you can set the strength of the Wi-Fi signal with the available options being of **Heavy** for a strong Wi-Fi signal (20 dbm for 2.4G; 15 dbm for 5G), **Standard** for a standard Wi-Fi signal (18 dbm for 2.4G; 12 dbm for 5G), and **ECO** (15 dbm for 2.4G; 10 dbm for 5G) for a weaker, energy saving signal.

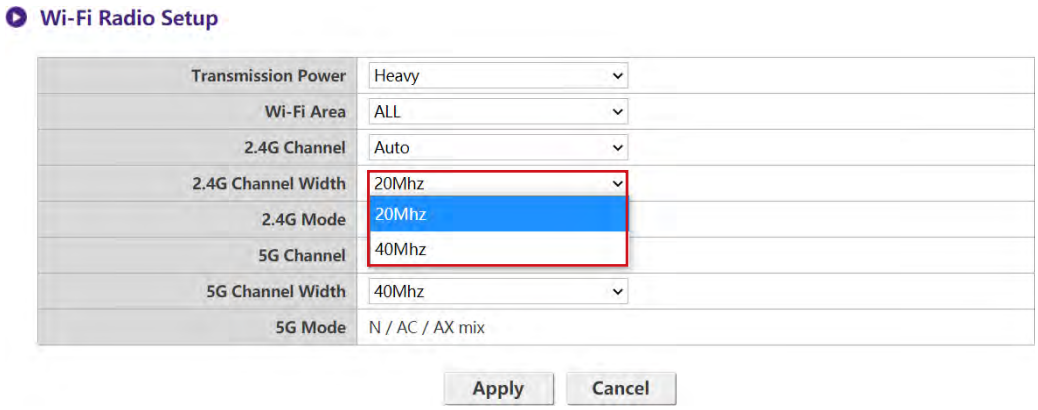


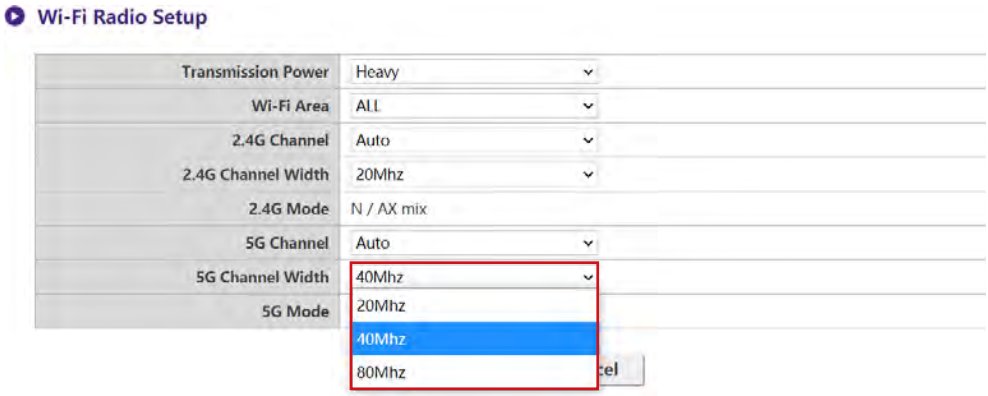
In the **2.4G Channel** and **5G Channel** fields you can configure the Host to automatically select the wireless channel with the best performance for either signal during the initial setup of the Host by selecting **Auto**, or you can select a wireless channel manually. The default **2.4G Channel** and **5G Channel** setting for the Host is **Auto**.





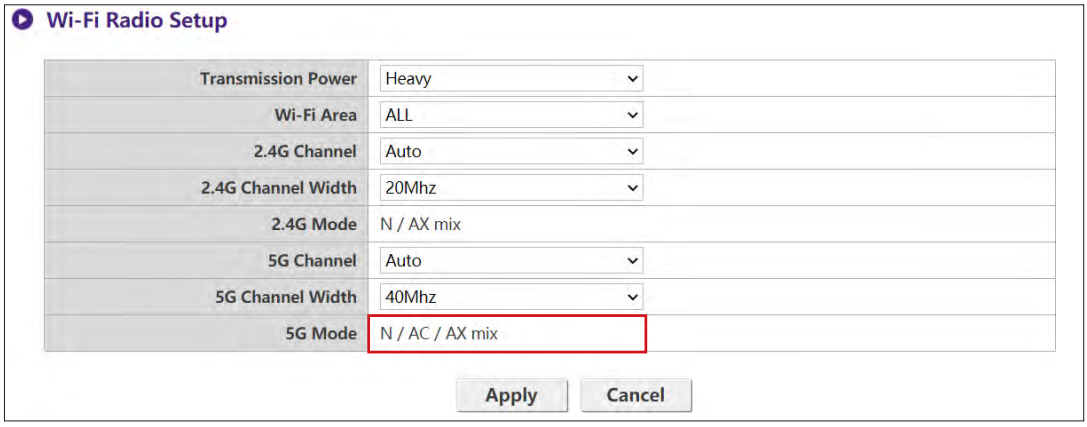
In the **2.4G Channel Width** and **5G Channel Width** fields you can configure the channel width for your 2.4G and/or 5G Wi-Fi signal. The available options for **2.4G Channel Width** are **20MHz** and **40MHz**, while the available options for **5G Channel Width** are **20MHz**, **40MHz**, and **80MHz**. The default channel width for **2.4G Channel** is **20MHz** while the default channel width for **5G Channel** is **40MHz**.





The supported wireless channels listed vary according to wireless regulations of the country/region which is listed in the **Wi-Fi Area** field.

The **5G Mode** enabled with **N / AC / AX mix** (802.11n, 802.11ac and 802.11ax mixed) with best compatibility to serve client with different wireless ability.



The Wi-Fi standard for the 2.4G Wi-Fi signal in the **2.4G Mode** field is set to **N / AX mix** and cannot be configured.

After you configure all the **Wireless Network** settings, press **Apply** to proceed.

Wi-Fi Radio Setup

Transmission Power	Heavy
Wi-Fi Area	ALL
2.4G Channel	Auto
2.4G Channel Width	20Mhz
2.4G Mode	N / AX mix
5G Channel	Auto
5G Channel Width	40Mhz
5G Mode	N / AC / AX mix

Apply Cancel

Wireless Nodes Status

The **Wireless Nodes Status** sub-menu lists all the devices connected to the Host via Wi-Fi indicates their **MAC Address**, **Device Name**, **IP Address**, Wi-Fi channel used (**2.4G/5G**), and connection time (**Uptime**).

Wireless Nodes Status

MAC Address	Device Name	IP Address	2.4G/5G	Uptime
D4:9C:DD:38:83:84	WDC30T-388384	192.168.168.67	5G	45s
0C:7A:15:A1:EA:2D	EShare-TP-LXY	192.168.168.24	5G	18s

Pairing

Click **Pairing** and you will see **Pairing** and **Pairing Status**.

Pairing

Start pairing

Pairing Status

Connected Status	TX Serial Number	TX MAC Address	TX Firmware Version	Authorization Status	Delete
Connected	WDC30T00B0M12W00079	D4:9C:DD:38:83:84	WDC30(T)_0.51.26	Authorized	

Pairing is used when the Host is attached to the ceiling as it is not easy to press the **PAIRING** key of the Host when the device is high on the ceiling. You can pair a Button and Host via the web management interface.