**IQ WIFI6**

Dependable Wi-Fi coverage for home or business

Johnson Controls IQ Wi-Fi 6
Version 1.0.0

# TABLE OF CONTENTS

# IQ WIFI 6 OVERVIEW

Johnson Controls

## SUPPORT

**?**

## QUESTIONS?

Contact us at
855-4QOLSYS
Or email us at
intrusion-
support@tycoint.com

IQ WIFI 6          Power Supply          Ethernet Cable          QR code sticker

Scan with IQ Panel
SSID: IQ WIFI 800062
Password: 1234DBC000012

## ABOUT THIS GUIDE

This document outlines the basic hardware specifications and software directions to install and customize the IQ WIFI 6. Note that the information presented is not comprehensive, but is specifically dedicated to those menus, features, and systems accessible solely to those with the proper installation code. The information contained is confidential and proprietary, and is solely owned by Johnson Controls. Any reproduction, modification, or distribution without permission is strictly prohibited.

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FRONT

BACK



**LED Status Lights**

⚠️ Error

((•)) Internet connected

((⛛)) Broadcasting wirelessly

⎍ Power on

**Reset Button**
Short press: restart
Press/hold 15 sec:
Factory Default

**DC-IN**
Power Supply
**LAN**
Local Area Network
(Network out)

**WPS**
Once this button has been pushed you have 2 minutes to push the **WPS button** on a corresponding Wi-Fi device to connect it to the network

**WAN**
Wide Area Network
(Internet in)

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The label on the bottom of IQ WIFI 6 shows the device's MAC address and serial number.

The packaging also includes a QR code that can be scanned by a smartphone camera for easy setup
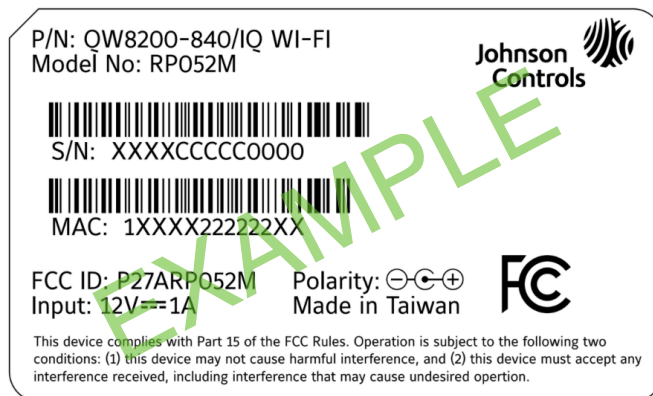


*Label on the bottom of each unit*



*QR code included in the box*

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**You can set up the IQ WIFI 6 in either of these ways:**

As the only wireless network on the premises:



In parallel with an existing wireless network:



Great for:
-Improving connectivity for ALL Wi-Fi devices on the network
-Offering support for the entire network
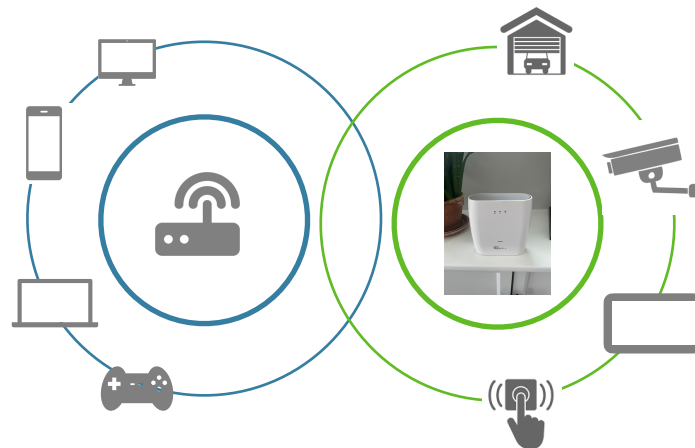
Great for:
-Keeping the security and smart-home devices private/hidden from the rest of the Wi-Fi connected devices on the network
-Making online/remote support easier as only known/authorized devices should be connected
-Ensuring better connectivity for dealer supported devices

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**Agent 2**

**Agent 1**

**Controller**
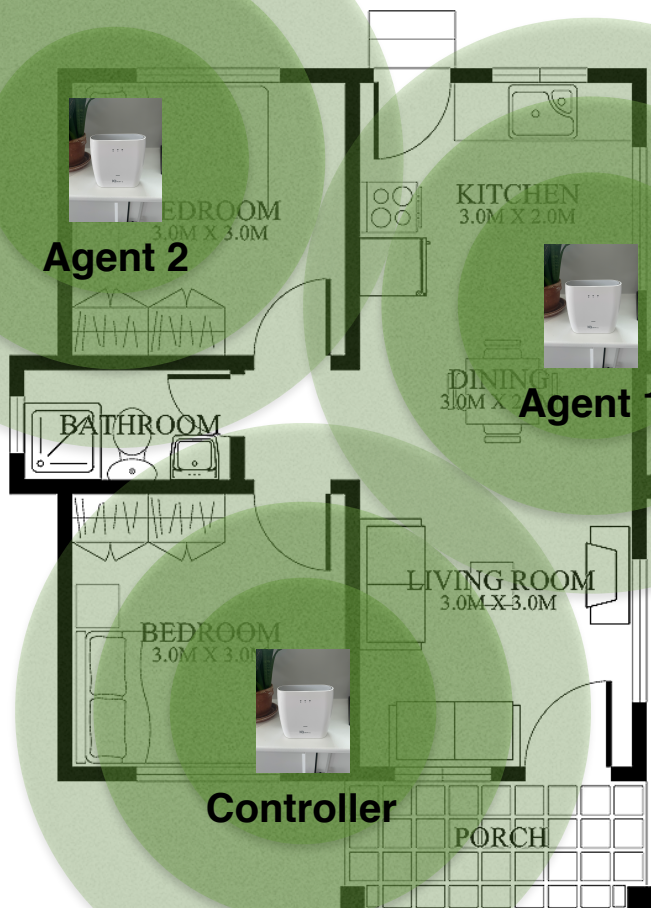
# 1 unit covers up to
# **1,500 sq ft**

## Add up to 8 units

If a single IQ WIFI 6 does does not cover the location as desired, you can add up to eight (8) additional nodes to eliminate dead spots and boost overall network performance.*

*IQ WIFI 6 will not increase the speed coming from the customer's ISP (Internet Service Provider) but can ensure the customer is getting the best coverage throughout their location.  Please note that not all buildings are the same, and building materials, wireless interface, and other factors can limit Wi-Fi range.

# INSTALLING THE IQ WIFI 6
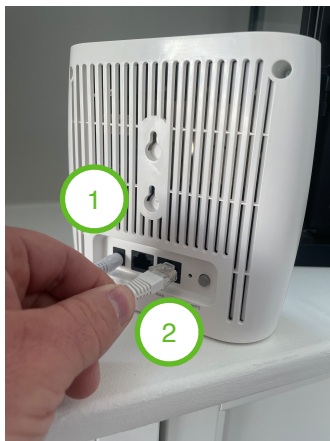
1. Plug the barrel jack end of the power supply into the "DC-IN" port

2. Connect the provided ethernet cable into the "WAN" port
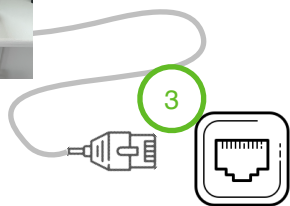


MODEM*

3. Connect the opposite end of the provided ethernet cable into the "ETHERNET" port on the modem*.
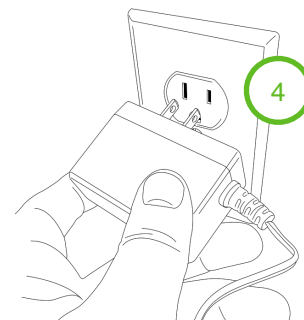


4. Plug in your power supply to the wall outlet. System may take up to 3 minutes to power up.

*Please note: If you are installing IQ WIFI 6 to run in parallel to the customer's primary network, plug the ethernet cable into an available port on the customer's existing router

**Johnson Controls**

**5**
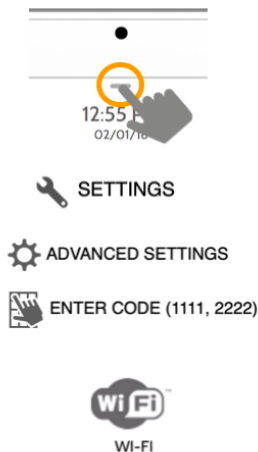
Once the IQ WIFI 6 has powered up completely, the power LED will stop flashing. Activate WPS on IQ Panel. *(Open settings tray, touch settings, advanced settings, type valid code, choose WI-FI.)*

**6**
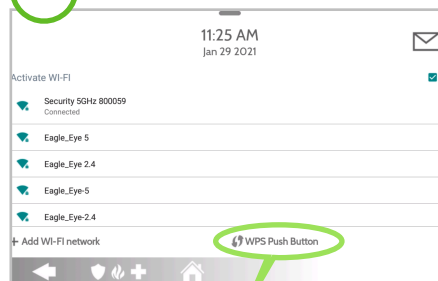
Touch "WPS Push Button"

**7**
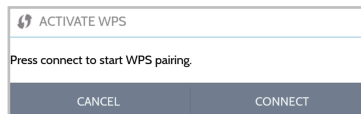
Touch "CONNECT"

**8**

Press the physical WPS button on IQ WIFI 6

**9**

IQ Panel will confirm when connection is complete. (If, fails repeat from step 5)

*Please note: If you prefer to connect to IQ WIFI 6 manually from IQ Panel choose Network Name (SSID) IQ WIFI 6 XXXXXX (the "X" represents the MAC address printed on the label located on the bottom of the IQ WIFI 6).  The default password is the serial number printed on the bottom label of the IQ WIFI 6.*

**Wired Connection:**
- Connect your laptop to the IQ WIFI 6 via the LAN port on the back of the controller or agent LAN port.
- Open up a web browser (chrome recommended) and type in the following:
  - \\192.168.105.1 (default gateway address)

P/N: QW8200-840/IQ WI-FI
Model No: RP052M

S/N: XXXXCCCCC0000

MAC: 1XXXX222222XX

FCC ID: P27ARP052M   Polarity: ⊖─ⓒ─⊕
Input: 12V⎓1A       Made in Taiwan

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

**Wireless Connection:**
- The default SSID is "IQ WIFI 6 XXXXXX" and "IQ WIFI 6 XXXXXX 5G". (XXXXXX is the last 6 digits of the MAC address of the IQ WIFI 6)
- Using the QR code sticker you can auto connect to the default Network Name (SSID)
- WPS mode is also supported for wireless connection.

**Default User Name:**
- admin

**Default Password:**
- The S/N number printed not he bottom of the IQ WIFI 6 is the default password.  Note: Passwords are case sensitive

Scan with IQ Panel

SSID: IQ WIFI 800062
Password: 1234DBC000012
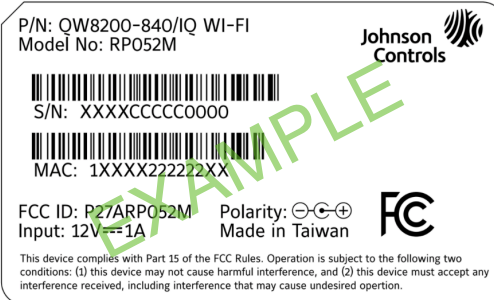
You may choose to improve the WIFI network by adding additional "agents" to the network (up to 7). Agents must be within range of IQ WIFI 6 in order to sync wirelessly.

**1**
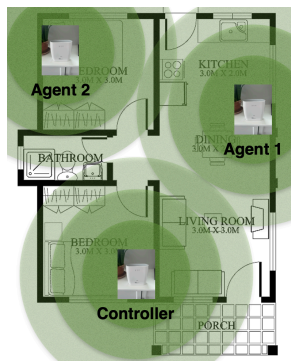


Controller

*Example of where controllers and agents may be placed for best performance.*

Choose your location to maximize your mesh WI-FI network. Ensure desired location has an available power outlet.

**2**
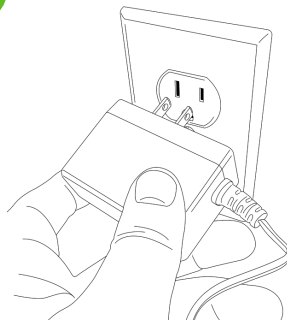


Connect both ends of the power supply to an available outlet.*

*You may choose to connect your agents power close to your controller during the pairing process and move to your desired location once pairing is complete.*

**3**
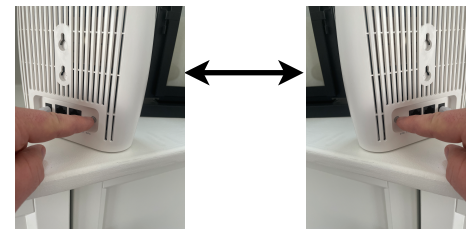


Controller                    Agent

Once the agent has powered up completely, the power LED will stop flashing.  Activate WPS on the controller, then activate WPS on the agent

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After the initial setup, update you're IQ WIFI 6 to the latest version of firmware and validate that the IQ WIFI 6 mesh is on the same version of firmware
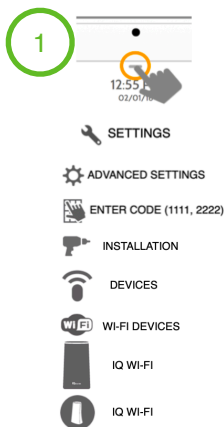
**1**

12:55
02/07/18

🔧 SETTINGS

⚙️ ADVANCED SETTINGS

📝 ENTER CODE (1111, 2222)

🔨 INSTALLATION

📡 DEVICES

📶 WI-FI DEVICES

📱 IQ WI-FI

⬛ IQ WI-FI

Open settings tray, touch settings, advanced settings, type valid code, touch installation, devices, WI-FI devices, IQ WI-FI, IQ WI-FI

**2**

IQ Wi-Fi

Controller-800057
Driver Version
1.0.0rc1                    Agent-FAMILY    Agent-BASEMENT

| 8 | 1 | 2 | 1 |
|---|---|---|---|
| DEVICES | DEVICES | DEVICES | DEVICES |

⬆️ CHECK FOR UPDATE          ⭘ REBOOT ALL

You have the latest version of the
firmware for IQ Wi-Fi

If you are having problems, or speed
is slower than expected. Reboot All.
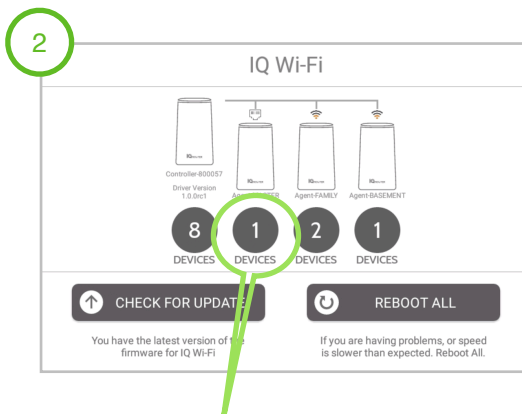
Touch agent **DEVICES** icon to verify the version of firmware on each added agent.

Touch the **CHECK FOR UPDATE** icon to update the entire IQ WIFI 6 mesh.

**3**

Agent-FAMILY (2)

**Agent-FAMILY**
WiFi Point (2) - Firmware 1.0.0rc1          ⭘ REBOOT ALL    🔴    ▾

| 💻 | Custom SP_DF03C2 | Agent-FAMILY 2.4GHz | 📶 | ☑ |
| 💻 | Custom Unknown | Agent-FAMILY 2.4GHz | 📶 | ☑ |

Current agent firmware

*Note: If adding an additional agent to a preexisting IQ WIFI 6 to improve wireless performance validate that the firmware on the IQ WIFI 6 mesh is the same and if it is not, update.*

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**1**

12:55
02/01/18

SETTINGS

ADVANCED SETTINGS

ENTER CODE (1111, 2222)

INSTALLATION

DEVICES

WI-FI DEVICES

IQ WI-FI

Open settings tray, touch settings, advanced settings, type valid code, touch installation, devices, WI-FI devices, IQ WI-FI

**2**

WI-FI

2.4GHz
Eagle_Eye 2.4 – WiFi Network Name (SSID)
c4c4c4c4 – Password (Network Key)

5GHz
Eagle_Eye 5 – WiFi Network Name (SSID)
c4c4c4c4 – Password (Network Key)

Activate WPS

Enable Guest Network
Guest Network is Disabled

Guest Network 2.4GHz
Guest 800059 – WiFi Network Name (SSID)
1912DBC000030 – Password (Network Key)

Guest Network 5GHz
Guest 5GHz 800059 – WiFi Network Name (SSID)
1912DBC000030 – Password (Network Key)

Installer Settings

Unpair IQ Wi-Fi
Forget IQ Wi-Fi network and clear all stored devices and configurations

Touch the down arrows to make edits to the Network Names (SSIDs)

**3**

5:36 PM
Jan 28 2021

Network Name (SSID)  Eagle_Eye 2.4

Password  c4c4c4c4

Security Method  WPA2 PSK

Show Wi-Fi Via QR Code  SHOW

Hidden ☐

SAVE

IQ ROUTER

Enter in a unique **Network Name (SSID)** of your choice.

Enter a password that you can remember.

This information will be needed to connect to the IQ WIF from any other wireless device.

A Hidden option is disabled by default. *(Checking this box will hide the Network Name (SSID) but still allow connectivity)*

*\*Note: By default the IQ WIFI 6 will broadcast two visible Network Names (SSID) for 2.4GHz and 5GHz and two hidden Network Names (SSID) for Security 2.4GHz or 5GHz XXXXXX.*

**By default the Guest Network is disabled by default. To enable follow these steps**

**1**

12:55
02/01/16

SETTINGS

ADVANCED SETTINGS

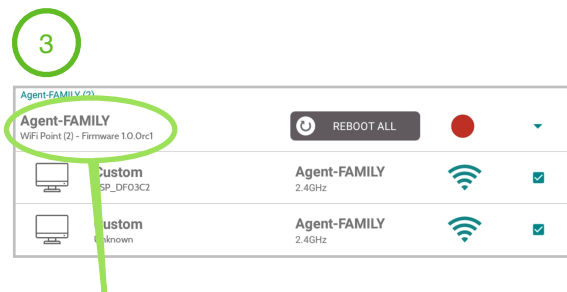ENTER CODE (1111, 2222)

INSTALLATION

DEVICES

WI-FI DEVICES

IQ WI-FI

Open settings tray, touch settings, advanced settings, type valid code, touch installation, devices, WI-FI devices, IQ WI-FI

**2**

WI-FI

**2.4GHz**
Eagle_Eye 2.4 - WiFi Network Name (SSID)
c4c4c4c4 - Password (Network Key)

**5GHz**
Eagle_Eye 5 - WiFi Network Name (SSID)
c4c4c4c4 - Password (Network Key)

**Activate WPS**

**Enable Guest Network**
Guest Network is Disabled

**Guest Network 2.4GHz**
Guest 800059 - WiFi Network Name (SSID)
1912DBC000030 - Password (Network Key)

**Guest Network 5GHz**
Guest 5GHz 800059 - WiFi Network Name (SSID)
1912DBC000030 - Password (Network Key)

**Installer Settings**

**Unpair IQ Wi-Fi**
Forget IQ Wi-Fi network and clear all stored devices and configurations

Scroll down to the Enable Guest Network

**3**

**Enable Guest Network**
Guest Network is Enabled ☑

**Guest Network 2.4GHz**
Guest 800092 - WiFi Network Name (SSID)
1912DBC000049 - Password (Network Key)

**Guest Network 5GHz**
Guest 5GHz 800092 - WiFi Network Name (SSID)
1912DBC000049 - Password (Network Key)
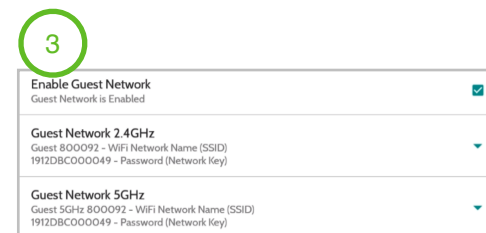
Touch the down arrows to make edits to the 2.4/5GHz Guest Network Name (SSID)
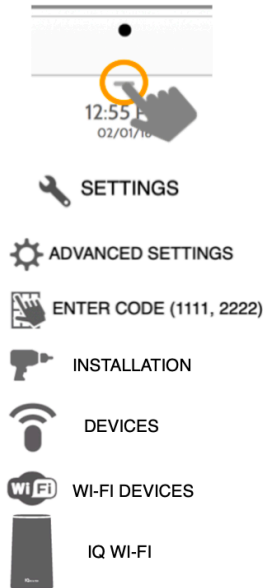
**4**

10:35 AM
Feb 01 2021

Network Name (SSID): Guest 800092

Password: 1912DBC000049

Security Method: WPA2 PSK

Show Wi-Fi Via QR Code: SHOW

Hidden ☐

SAVE

IQ ROUTER

Enter a unique Network Name (SSID)

**1**

SETTINGS

ADVANCED SETTINGS
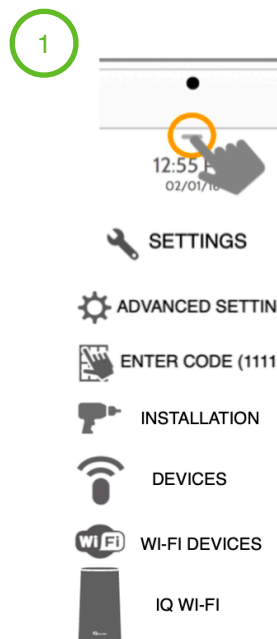
ENTER CODE (1111, 2222)

INSTALLATION

DEVICES

WI-FI DEVICES

IQ WI-FI

Open settings tray, touch settings, advanced settings, type valid code, touch installation, devices, WI-FI devices, IQ WI-FI

**2**

INTERNET

Touch the **INTERNET** icon

**3**

Speed Test

INTERNET

Download | Upload | Ping
115.02 | 5.94 | 25.281
Mbps | Mbps | ms

Taken on Jan 28, 2021 at 3:19:41 PM

TEST MY SPEED

Touch the **TEST MY SPEED** button

**Johnson Controls**

If you are having problems, or speed is slower than expected, reboot your IQ WIFI 6 Mesh
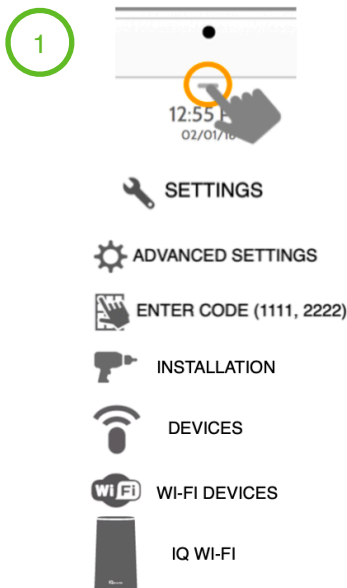


**1**

SETTINGS

ADVANCED SETTINGS

ENTER CODE (1111, 2222)

INSTALLATION

DEVICES

WI-FI DEVICES

IQ WI-FI

Open settings tray, touch settings, advanced settings, type valid code, touch installation, devices, WI-FI devices, IQ WI-FI

**2**

IQ WI-FI          WIFI POINTS (3)

Touch either the **IQ WI-FI** or **WIFI POINTS** icon

**3**

IQ Wi-Fi

Controller-800057
Driver Version
1.0.0rc1      Agent-MASTER   Agent-FAMILY   Agent-BASEMENT

8          1          2          1
DEVICES   DEVICES   DEVICES   DEVICES

↑ CHECK FOR UPDATE          ↻ REBOOT ALL

You have the latest version of the firmware for IQ Wi-Fi

If you are having problems, or speed is slower than expected. Reboot All.
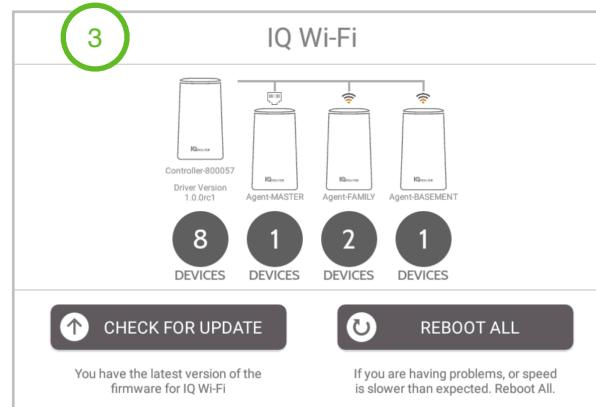
Touch the **REBOOT ALL** button

*IQ WIFI 6 will not increase the speed coming from the customer's ISP (Internet Service Provider) but can ensure the customer is getting the best coverage throughout their location.  Please note that not all buildings are the same, and building materials, wireless interface, and other factors can limit Wi-Fi range.*
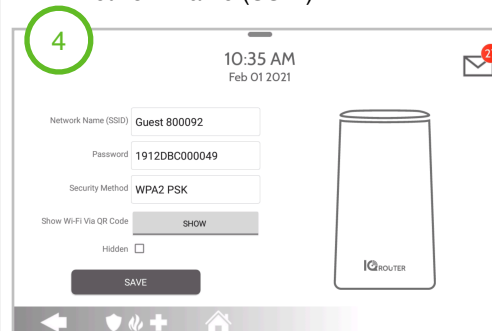
Johnson Controls

**1** Open settings tray, touch settings, advanced settings, type valid code, touch installation, devices, WI-FI devices, IQ WI-FI, IQ WI-FI

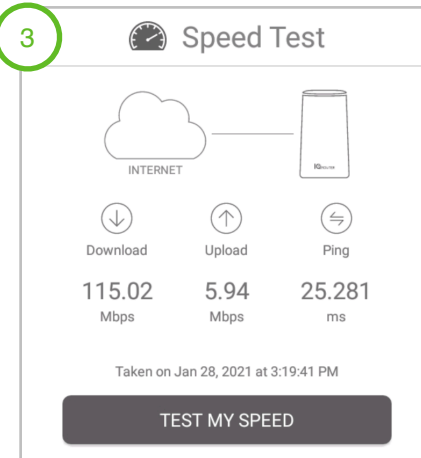12:55
02/01/18

SETTINGS

ADVANCED SETTINGS

ENTER CODE (1111, 2222)

INSTALLATION

DEVICES

WI-FI DEVICES

IQ WI-FI

**2** IQ WI-FI     WIFI POINTS (3)

Touch either the **IQ WI-FI** or **WIFI POINTS** icon

**3** IQ Wi-Fi

Controller-800057
Driver Version
1.0.0rc1     Agent-MASTER     Agent-FAMILY     Agent-BASEMENT

8 | 1 | 2 | 1
DEVICES | DEVICES | DEVICES | DEVICES

⬆ CHECK FOR UPDATE     ⟳ REBOOT ALL

You have the latest version of the firmware for IQ Wi-Fi

If you are having problems, or speed is slower than expected. Reboot All.

Touch agent **DEVICES** icon on the Controller or Agent you wish to rename.

**3**
Agent-FAMILY (2)

Agent-FAMILY
WiFi Point (2) – Firmware 1.0.0rc1     ⟳ REBOOT ALL     ●     ▼

Custom
ESP_DF03C2     Agent-FAMILY
2.4GHz     📶     ☑

Custom
Unknown     Agent-FAMILY
2.4GHz     📶     ☑

Touch the down arrow

**4**
▼ WIFI POINT (0) NAME

Controller-800090

CANCEL     OK

Type in a unique controller or agent name.

*When renaming a controller or agent, please note that the unique name entered can't have any spaces.

**1**
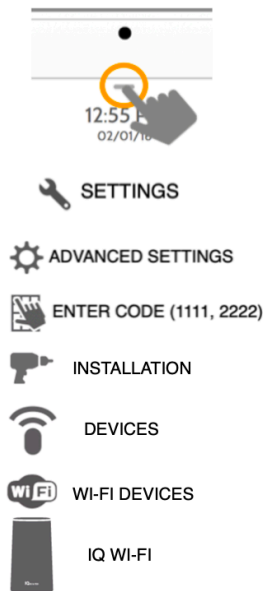
**SETTINGS**

**ADVANCED SETTINGS**

**ENTER CODE (1111, 2222)**

INSTALLATION

DEVICES

WI-FI DEVICES

IQ WI-FI

Open settings tray, touch settings, advanced settings, type valid code, touch installation, devices, WI-FI devices, IQ WI-FI
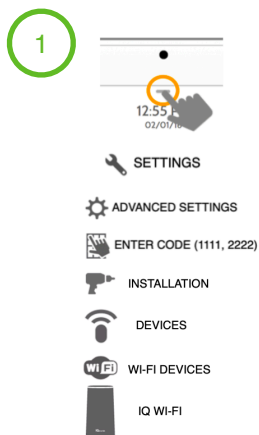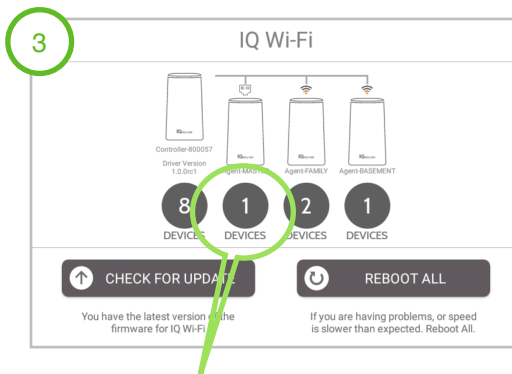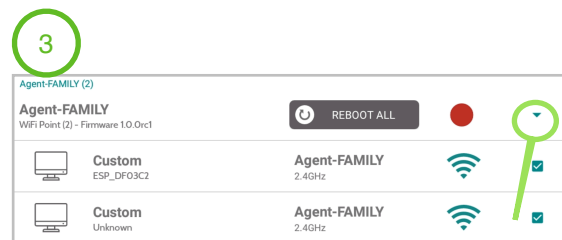
**2**

**4**

**DEVICES**
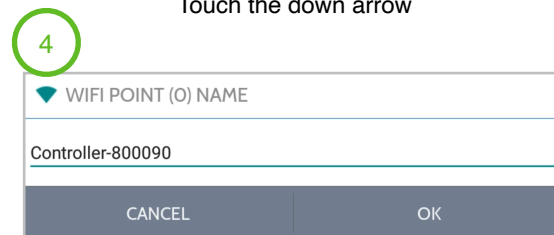
Touch the **DEVICES** icon

**3**

12:49 PM
Feb 01 2021

Wi-Fi Devices (1)

**Custom** — Nates-iPhone — **Controller-800090** — 5GHz

Ethernet Devices (1)

**Custom** — Nates-MBP — **Controller-800090** — ethernet

Security Devices (2)

**Custom** — android-2ea0f6dee24fca70 — **Controller-800090** — 5GHz

**IQ Remote** — IQ Remote 1 — **Controller-800090** — 2.4GHz
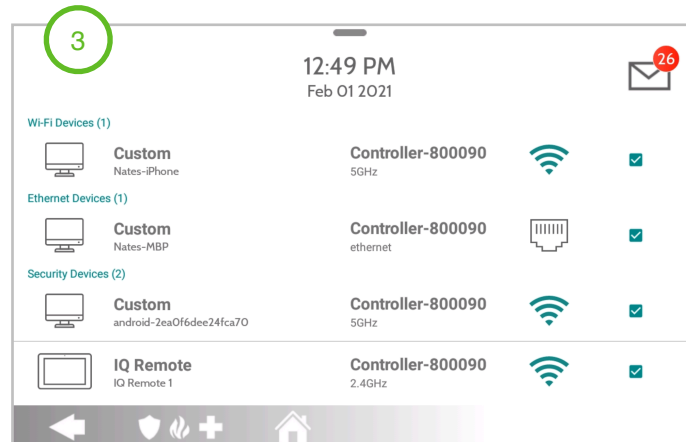
*Note: When viewing connected devices, you can manage internet connectivity by unchecking (not internet) the checkbox of a connected device.

# MANAGING IQ WIFI 6 FROM WEB INTERFACE

After all the physical connections are made (see steps 1-4 on page 10), the back-haul mesh activation can be enabled through the web interface, without accessing the IQ Panel settings.

**1**

https://192.168.105.1

From Chrome go to 192.168.105.1

**2**

## Qolsys

### Authorization Required
Please enter your username and password.

| | |
|---|---|
| Username | admin |
| Password | |

Login    Clear

## Qolsys
QUALITY OF LIFE

Login with default user name and password:
Username: admin
Password: XXXXDBC0000XX

**3**

NETWORK

WIFI MESH

ADVANCED

STATIC LEASES

PORT FORWARDING

Navigate to **NETWORK** tab and select **WIFI MESH**

**4**

**Wifi Mesh**

Basic

| Device Role | Controller |
|---|---|
| EasyMesh On-board | Connect a New Mesh Device    (Wifi will select the back-haul band automatically) |
| Optimize Mesh Network | Optimize Mesh Network    (It will take a few minutes) |
| Runtime Topology | Display Mesh Network Map |

Touch the **Connect a New Mesh Device** to trigger WiFi back-haul band automatically.

**5**

Within 2 minutes press the WPS button on an additional IQ WIFI 6.

Johnson Controls

A software update can be done manually after downloading an updated version of firmware from the dealer site.

**1**

https://192.168.105.1

From Chrome go to 192.168.105.1

**2**

Qolsys

**Authorization Required**

Please enter your username and password.

Username: admin

Password:

Login    Clear

Qolsys
QUALITY OF LIFE

Login with default user name and password:

Username: admin
Password: XXXXDBC0000XX

**3**

SYSTEM

CHANGE PASSWORD

FIRMWARE UPGRADE / BACKUP SETTINGS

REBOOT

Navigate to **SYSTEM** tab, and down to **FIRMWARE UPGRADE / BACKUP SETTINGS**

**4**

**Firmware Upgrade/Backup Settings**

Firmware Upgrade    Backup/Restore Settings

Firmware Upgrade:    Choose File   no file selected    Upgrade...

Touch the **Choose File** icon find the downloaded file located on your computer.

**5**

**Firmware Upgrade/Backup Settings**

Firmware Upgrade    Backup/Restore Settings

Firmware Upgrade:    Choose File   Q0.4.9.bin    Upgrade...

Press **Upgrade** icon once the updated file has been selected.

*Note:  Once a software update has been kicked off, could take as long as 20 minutes plus the time to reboot.  LEDs on the IQ WIFI 6 will flash indicating it is updating.*

**1**

https://192.168.105.1

From Chrome go to 192.168.105.1

**2**

Qolsys

**Authorization Required**

Please enter your username and password.

Username: admin

Password:

Login    Clear

Qolsys
QUALITY OF LIFE

Login with default user name and password:

Username: admin
Password: XXXXDBC0000XX

**3**

NETWORK

WIFI MESH

ADVANCED

STATIC LEASES

PORT FORWARDING

Navigate to **NETWORK** tab and select **WIFI MESH**

**4**

| Name | EAGLE_EYE 2.4 | |
|------|---------------|---|
| Security Mode | WPA2 - Personal | Edit |
| Password | c4c4c4c4 | |
| Hidden | Disabled | |

Scroll down the page to locate the WiFi SSID Settings. Press the **Edit** button to make changes from the default settings.

**5**

Edit Primary Network(2.4G Hz)

| Name | EAGLE_EYE 2.4 |
|------|---------------|
| Security Mode | WPA2 - Personal |
| Password (8-64 characters) | c4c4c4c4 |
| Hidden | |

Enter a unique Network Name (SSID) and password.

*Note: Once you have touched the save and apply to the Network Name (SSID) you will need to reconnect to the new unique Network Name (SSID) with the updated password.*

**Johnson Controls**

**1**

https://192.168.105.1

From Chrome go to 192.168.105.1

**2**

Qolsys

## Authorization Required

Please enter your username and password.

Username: admin

Password: [          ]

Login    Clear

Qolsys
QUALITY OF LIFE

Login with default user name and password:
Username: admin
Password: XXXXDBC0000XX

**3**

NETWORK

WIFI MESH

ADVANCED

STATIC LEASES

PORT FORWARDING

Navigate to **NETWORK** tab and select **WIFI MESH**

**4**

Enable Guest Network(2.4G Hz)

Scroll down to WiFi Settings, and touch the **Enable Guest Network (2.4GHz or 5GHz)**

**5**

| Name | Guest 8OOO92 | |
|------|------|------|
| Security Mode | WPA2 – Personal | Edit |
| Password | 1912DBC000049 | |
| Hidden | Enabled | |

Touch the **Edit** icon and create a unique Network Name (SSID) and password.

**1**

https://192.168.105.1

From Chrome go to 192.168.105.1

**2**

Qolsys

**Authorization Required**

Please enter your username and password.

Username: admin

Password:

Login    Clear

Qolsys
QUALITY OF LIFE

Login with default user name and password:
Username: admin
Password: XXXXDBC0000XX

**3**

**Wifi Mesh Device**

Warning: There are unsaved changes that will be lost while rebooting!

| Name | Role |
| --- | --- |
| Controller-800057OFFICE | Controller |
| Agent-800048BASEMENT | Agent |
| Agent-80008AMASTER | Agent |
| Agent-80003EFAMILYCOL | Agent |

Scroll down on the home page to locate the **WiFi Mesh Device** section and in the **Name** view, enter a unique controller or agent names

**4**

Save and Apply    Clear

Touch the Save and Apply

*Note:  Controller and agent unique names can't support spaces*

**Johnson Controls**

**1**

https://192.168.105.1

From Chrome go to 192.168.105.1

**2**

**Qolsys**

## Authorization Required
Please enter your username and password.

Username: admin

Password: [          ]

Login    Clear

**Qolsys**
QUALITY OF LIFE

Login with default user name and password:
Username: admin
Password: XXXXDBC0000XX

**3**

**NETWORK**

**WIFI MESH**

**ADVANCED**

**STATIC LEASES**

**PORT FORWARDING**

Navigate to **NETWORK** tab and select **ADVANCED**

**4**

**WAN**    **LAN**

Navigate to LAN (Local Area Network)

**5**

### Connected Device

| Hostname |
| --- |
| android-2ea0f6dee24fca70 |
| Nates-MBP |
| Nates-iPhone |
| android-f3cd04c815afd744 |

Scroll down to **Connected Devices** to view Hostname, IPv4 -Address, Lease time remaining, Interface, RSSI, Uplink node, and SSID

# WAN SETTINGS

**1**

https://192.168.105.1

From Chrome go to 192.168.105.1

**2**

Qolsys

## Authorization Required
Please enter your username and password.

Username: admin

Password:

Login    Clear

Qolsys
QUALITY OF LIFE

Login with default user name and password:

Username: admin
Password: XXXXDBC0000XX

**3**

NETWORK

WIFI MESH

ADVANCED

STATIC LEASES

PORT FORWARDING

Navigate to **NETWORK** tab and select **ADVANCED**

**4**

WAN    LAN

Navigate to WAN (Wide Area Network)

**5**

Internet    LAN

Status
Uptime: 6d 0h 52m 58s
MAC-Address: 3C:31:78:80:00:91
RX: 86.32 MB (4533194 Pkts.)
TX: 275.56 MB (1235939 Pkts.)
IPv4: 192.168.1.66/24

Connection Type
Static address
✓ DHCP client
PPPoE

Scroll down and click on **Connection Type** to select the proper ISP

**PPPoE** is a **connection** protocol (mainly for xDSL **connections**). Using that protocol a PC can **connect** to a network **and** receive an IP. PPPoE is a way to encapsulate network traffic, based on credentialed access (i.e. username and password).

**Static IP** means that regardless of the **connection method**/request the same Network Interface Card (PC) will be issued one, pre-defined IP that will never change.

**DHCP** is a way for a network to allocate unique IP addresses to the devices (i.e. computers and smartphones, etc.) within it so that traffic can be delivered back-n-forth without confusion.

Johnson Controls

**1** https://192.168.105.1

From Chrome go to 192.168.105.1

**2** Qolsys

## Authorization Required
Please enter your username and password.

Username: admin

Password:

Login    Clear

Qolsys
QUALITY OF LIFE

Login with default user name and password:
Username: admin
Password: XXXXDBC0000XX

**3**

NETWORK

WIFI MESH

ADVANCED

STATIC LEASES

PORT FORWARDING

Navigate to **NETWORK** tab and select **ADVANCED**

**4** WAN    LAN

Navigate to LAN (Local Area Network)

**5**

| Connection Type | Static address |
| Really switch protocol? | Switch protocol |
| IPv4 address | 192.168.105.1 |
| IPv4 netmask | 255.255.255.0 |

After chainging LAN IP (it may take about 2 ~ 3 minutes),
please reconnect LAN client devices (e.g. NB, mobile phone) and access to Web GUI with new IP.

Scroll down to **IPv4 address** to change the gateway (router) address.

**1**

https://192.168.105.1

From Chrome go to 192.168.105.1

**2**

Qolsys

**Authorization Required**

Please enter your username and password.

Username: admin

Password:

Login    Clear

Qolsys
QUALITY OF LIFE

Login with default user name and password:
Username: admin
Password: XXXXDBC0000XX

**3**

NETWORK

WIFI MESH

ADVANCED

STATIC LEASES

PORT FORWARDING

Navigate to
**NETWORK** tab and
select **ADVANCED**

**4**

WAN    LAN

Navigate to LAN (Local Area Network)

**5**

DHCP Server

Starting IP Address    100

Number of IP Address    150

Scroll down to **DHCP Server** to change the DHCP settings.

*Note:  DHCP server default settings support up to 150 addresses beginning at 192.168.105.100 through 192.168.105.250*

**1**

https://192.168.105.1

From Chrome go to 192.168.105.1

**2**

**Qolsys**

## Authorization Required
Please enter your username and password.

Username: admin

Password: [        ]

Login    Clear

**Qolsys**
QUALITY OF LIFE

Login with default user name and password:
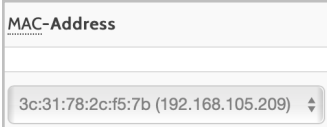Username: admin
Password: XXXXDBC0000XX

**3**

**NETWORK**

**WIFI MESH**

**ADVANCED**

**STATIC LEASES**

**PORT FORWARDING**

Navigate to **NETWORK** tab & **STATIC LEASES**

**4**

Hostname

AppleTV

Enter a **Hostname** for the connected device

**5**

MAC-Address

3c:31:78:2c:f5:7b (192.168.105.209)

Use the dropdown to select the **MAC-Address** of the connected device.

**6**

IPv4-Address

192.168.105.209

Use the dropdown to select the **IPv4-Address** and touch **Save & Apply**.

*Note: **DHCP** Servers support something called a "**DHCP Reservation**", which essentially allows you to provide a pre-set IP **address** to a specific client based on it's physical **MAC address**. This means that the device will always get the same IP **address** and it will never change.*

Johnson Controls

**1**

https://192.168.105.1

From Chrome go to 192.168.105.1

**2**

Qolsys

**Authorization Required**

Please enter your username and password.

| Username | admin |
| Password | |

Login    Clear

Qolsys
QUALITY OF LIFE

Login with default user name and password:
Username: admin
Password: XXXXDBC0000XX

**3**

**SYSTEM**

**CHANGE PASSWORD**

**FIRMWARE UPGRADE / BACKUP SETTINGS**

**REBOOT**

Navigate to **SYSTEM** tab and touch **CHANGE PASSWORD**

**4**

**Change Password**
Changes the administrator password

| Password | |
| Confirmation | |

Enter a unique password that you can remember

**5**

Save & Apply    Clear

Touch the **Save & Apply** icon

*Note: Default username is admin and default password is the serial number printed on the bottom of IQ WIFI 6.*

# TROUBLESHOOTING

When you restart your network, follow this sequence:

1. Turn off *and* unplug the modem.
2. Turn off the IQ WIFI 6.
3. Plug in the modem and turn it on.  Wait two minutes.
4. Turn on the IQ WIFI 6 and wait two minutes.

If you are experiencing difficulty syncing the controller and the agent, we recommend that you move the agent into the same room as the controller during the sync. Then move the agent to a different location.

To sync the controller and the agent:
1.  Place the agent in the same room as the IQ WIFI 6. Use this agent location only during the sync process.

2.  Connect the agent to a power source.

3.  Wait for the agent power LED to light solid GREEN.

4.  Press the WPS button on the controller and then within two minutes, press the WPS button on the agent.

5.  Wait for the agent internet LED to light solid GREEN.  The agent WiFi LED will slowly blink GREEN when communicating.

6.  Move the agent to a new location and connect the agent to a power source.

7.  At the new location, check the agent power LED and make sure it is solid GREEN.
    If the agent error LED lights up RED, make sure you are within range and try again.

Make sure that your computer or IQ Panel is connected to the IQ WIFI 6 network. If you do not want to use a WiFi connection, you can connect your computer to the IQ WIFI 6 with an Ethernet cable.

If you changed the admin password and you forgot what it is, reset the IQ WIFI 6 back to factory default settings.

Check your network and Internet connections:

1. Make sure that your WiFi-enabled computer or IQ Panel is connected to the IQ network.
2. If you are connected to the IQ network but can not access the Internet, check to see if your Internet connection is working.
3. Launch a web browser from a computer or WiFi device that is connected to the network.
4. Enter the DEFAULT GATEWAY ADDRESS, A login window opens.
5. Enter the IQ WIFI 6 admin username and password.
6. The user name is **admin**. The default password is the S/N printed on the bottom label of the Controller. The user name and password are case-sensitive.
7. The Home Screen is displayed

8. Click NETWORK > ADVANCED tab.

   The ADVANCED Home page displays.

9. Check that an IP address is shown for the WAN Internet IPv4 section.

10. If 0.0.0.0 is shown, your IQ WIFI 6 did not obtain an IP address from your Internet service provider (ISP).

If your IQ WIFI 6 cannot obtain an IP address from the ISP, you can force your cable or DSL modem to recognize your new IQ WIFI 6 by restarting your network. For more information, see Sequence to restart your network on page 41.

If your IQ WIFI 6 is still unable to obtain an IP address from the ISP, the problem might be one of the following:

- Your Internet service provider (ISP) might require a login program. Ask your ISP whether they require PPP over Ethernet (PPPoE) or some other type of login.
- If your ISP requires a login, the login name and password might be set incorrectly.

# SPECIFICATIONS

| Part | Description |
|---|---|
| Process and Memory | SSoC: MT7621DA (MIPS1004Kc dual-core 880MHz, SPI NOR Flash 64MB) Memory: 128MB DDR3 embedded |
| Connectors | 1 DC Power Jack 2 RJ-45 Connectors |
| LED and Button | LEDs: 4 Single Color LED Buttons: 1 WPS Button on the side 1 Reset button on the back |
| Antenna | 4 Wi-Fi internal antennas |
| Power Adapter | Input: 100-240VAC, 50-60Hz, 0.68 Max Output: 1.5A 18.0W |
| Compliance | FCC |
| Dimensions (H x W x D) | 150mm x 89mm x 57.2mm |
| Weight | 172g |
| Operating Temperature | 0°C - 40°C (32°F - 104°F) |
| Operating Humidity | 10% - 90% RH (non-condensing) |
| Storage Temperature | -20°C -60°C (-4°F - 140°F) |
| Storage Humidity | 5% - 95% RH (non-condensing) |

| Network and Software | Notes |
|---|---|
| Ethernet | LAN and WAN Gigabit Ethernet Ports |
| Wireless | IEEE 802.11 b/g/n/ax 2.4GHz IEEE 802.11 a/n/ac/ax 5GHz |
| DHCP | Server, Client |
| Protocols | IPv4 and IPv6 |
| Guest Network | 2.4GHz/5GHz |
| WiFi EasyMesh Standard | Supported |
| Ethernet On-Boarding | Supported |
| Topology Dump | Supported |
| OTA | Supported |
| Application | OpenWRT Web GUI Configuration |

Document#: IQP2-IM-8-20
Revision Date: 12-16-2020
Software version: 2.5.0