Manuals+ — User Manuals Simplified.

IQ WiFi 6 Router Installation Guide

WiFi

IQ WiFi 6 Router

FEATURES & OVERVIEW

The IQ WiFi 6 is a mesh capable router that covers every corner of every room with safe, seamless WiFi.

Features:

- Self optimizing WiFi mesh with wired and wireless ethernet backhaul
- WiFi version 6, ax1800
- Supports Dual-band 2.4G/5G
- Supports 7 additional Agents (1 Controller)
- Stand alone or parallel configuration supported
- Web interface or IQ Panel configurable
- Main, Guest and Security SSIDs
- Included wall mount enables flexible placement

SPECIFICATIONS

- **SKU:** IQWF6
- **Description:** IQWIFI6
- **Dimensions:** 151.4 mm x 150.4 mm x 55.4 mm Weight: 425g
- **Usage:** For Indoor use only
- **Compliance:** FCC, UL, CE
- **Processor:** Qualcomm IPQ6000
- **Flash Memory:** 512MB NAND
- **Memory:** 512MB DDR3-933MHz
- **Operating Temperature:** 0°C – 40°C (32°F – 104°F)
- **Relative Humidity:** 10% – 90% RH (non-condensing)
- **Operating Distance:** Up to 130ft
- **Frequency Type:**
  - Wireless IEEE 802.11 b/g/n/ax 2.4GHz
  - IEEE 802.11 a/n/ac/ax 5GHz

- **Wired Type:**
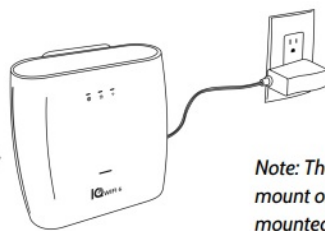
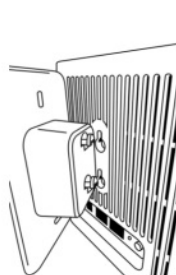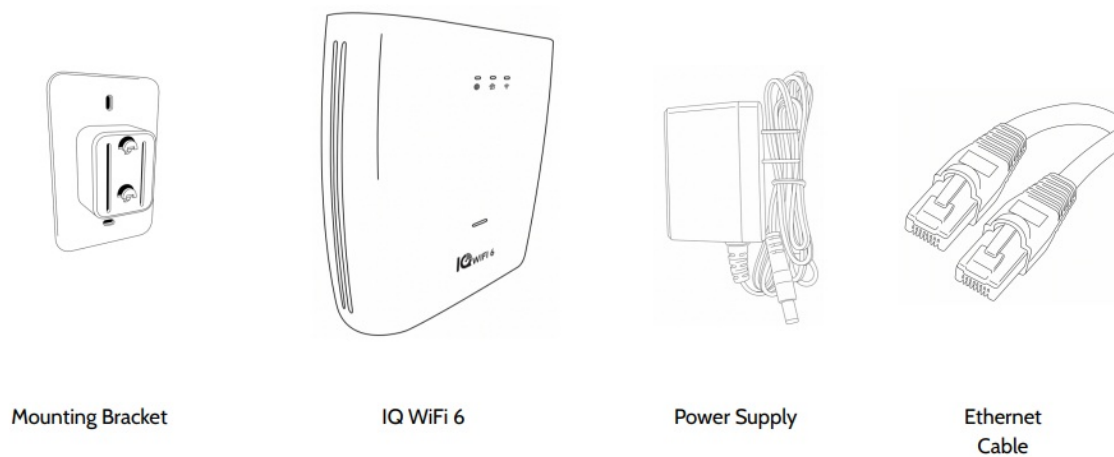 LAN and WAN Gigabit Ethernet Ports
- **LED Indicators:**
  - **2 color LED (Green and Red):** Power/Status
  - **Green LEDs:** WAN, SmartHome, LAN
- **Power Supply:**
  - **Input:** 100-240VAC, 50-60Hz
  - **Output:** 1.5A 18.0W

INCLUDED IN THE BOX

Mounting Bracket   IQ WiFi 6   Power Supply   Ethernet Cable

Note: The Low-Voltage IQ WiFi Mount is designed to mount onto a low-voltage single gauge back-box or to be mounted with drywall anchors. DO NOT MOUNT ON A HIGH VOLTAGE BOX. If mounting with a low-voltage box use size 6 screws (M3.5) that are 1 inch (2.54 cm) in length.

SUPPORT

QUESTIONS?
Contact us at 855-4QOLSYS Or email us at **techsupport@qolsys.com**

INSTALLATION INSTALLATION

- **STEP 1: CONNECT TO THE MODEM OR EXISTING NETWORK**
  1. Connect one end of the provided ethernet cable into the "ETHERNET" port on the modem*.

     Note: for parallel installs plug the ethernet cable into an available port on the customer's existing router (see additional considerations)
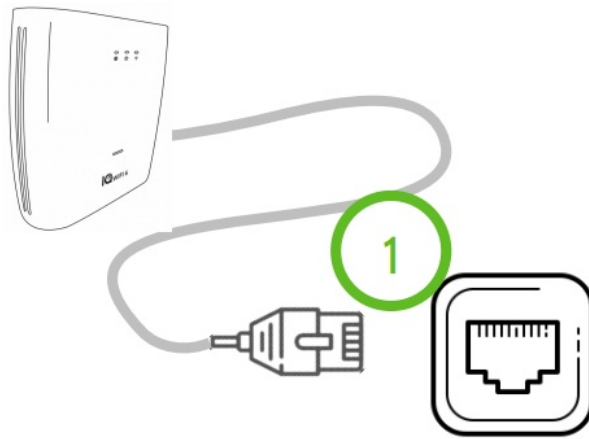
MODEM/ROUTER

- **STEP 2: CONNECT THE IQ WiFi 6 CONTROLLER**
    - 2. Connect the provided ethernet cable into the "WAN" port.
    - 3. Plug the barrel jack end of the power supply into the "DC-IN" port. Do not plug in the power supply into outlet until step 3.
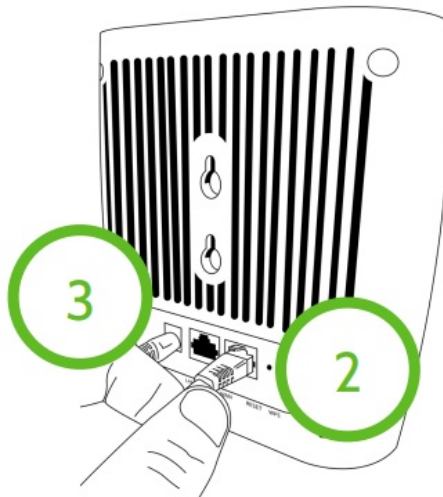

- **STEP 3: POWER UP THE IQ WiFi 6 CONTROLLER**
    - Plug the power supply into the wall outlet. Router takes about 6 minutes to power up and identify as a controller, the power LED will stop flashing when ready.
      Note: If a software update is needed the router will automatically download and install it. This may take an additional 2 minutes.
   - While waiting for Agents to pair, unbox any agents and power them up.
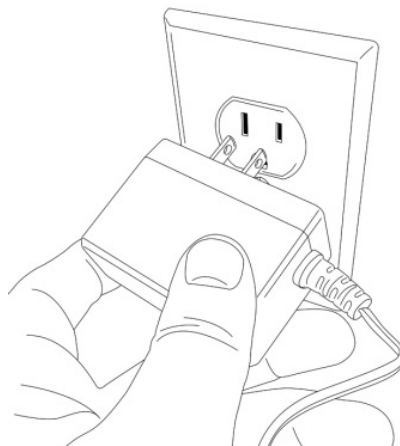
- **STEP 4: ADD ADDITIONAL AGENTS (IF NEEDED)**

  Add one or more Agents if needed. Agents expand the area covered by the network. Once added, Agents use the same SSID and PW as the controller.

  1. Power up the Agent (see step 3). Ready when Controller and Agent LEDs are solid GREEN.
  2. Press the WPS button on the Controller
  3. Press the WPS button on the Agent
     Note: LET PROCESS FINISH, COULD TAKE UP TO 7 MINUTES to finish pairing, updating, and configuring each Agent. You can begin pairing subsequent Agents when the Controller WAN LED goes solid GREEN. Paired Agents default to WiFi backhaul but support ethernet backhaul with an ethernet connected LAN-to-LAN.
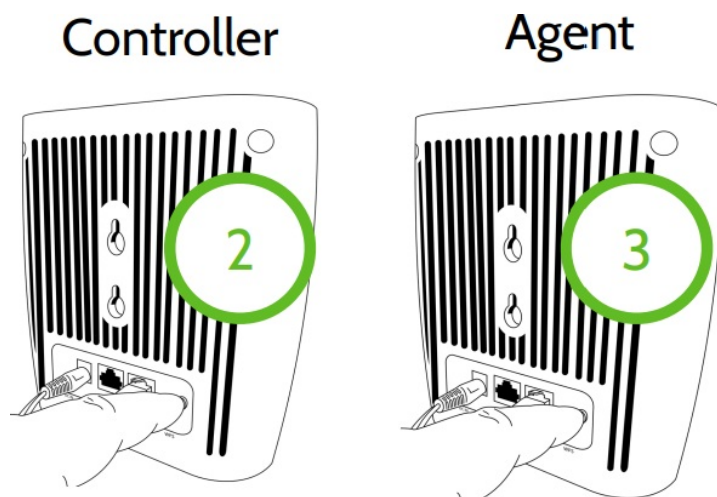
- **STEP 5: PAIR CONTROLLER TO IQ PANEL**

  1. Open settings tray touch Settings, Advanced Settings, type valid Dealer or Install code, then touch WiFi.
  2. Look for the broadcasting SSID or network name and touch it. SSID will be IQ_WiFi_XXXXXX
  3. Enter password printed on sticker or bottom of router. Password is case sensitive from the Controller.
  4. Touch connect. The Panel will transition to the security SSID automatically
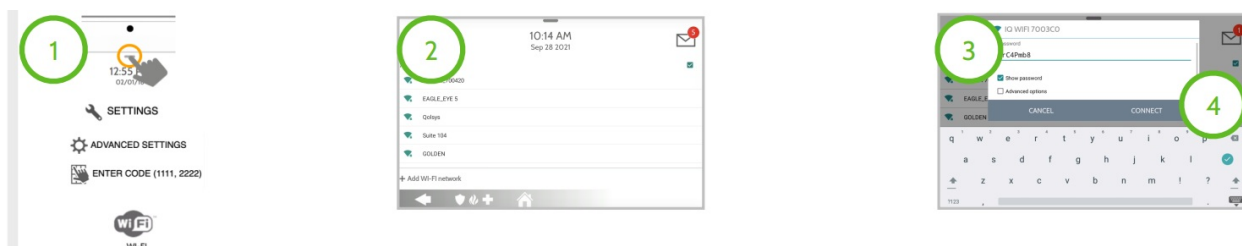
- **STEP 6: RENAME YOUR NETWORK (SSID) IF DESIRED**

  1. Open settings tray from IQ Panel, Settings, Advanced Settings, type in valid code, touch Installation, Devices, WiFi Devices, then touch the IQ WiFi icon
  2. Touch the down arrows to make edits to the Network Name (SSID's)
  3. Enter a unique network name.
     Note: IQ WiFi 6 uses band-steering. All nodes will reboot if changing default settings.

- **STEP 7: CONNECT TO ALARM.COM**
    1. From ADC Mobile Tech, find the customer
    2. Touch Equipment, Add Devices
    3. Scroll down to Wi-Fi Router, select Qolsys IQ WIFI 6
    4. Scan the MAC Address from the Controller
    5. Reboot the Controller when instructed

- **STEP 8: CONNECTING DEVICES TO YOUR NETWORK**
    - By default, 1Q WiFi 6 broadcasts 3 distinct network names or SSID's. (1) The Main network, (2) a Guest network and (3) a Security network. The purpose of the Security network is to isolate security devices like Panels, Secondary Keypads and Cameras from the Main and Guest network. This helps reduce the chance that these devices will disconnect, causing a truck roll in the future, due to a homeowner pausing the internet, changing the network name, password or encryption type.
    - Start by connecting all Wi-Fi devices installed in the home or business to the Main or Guest network first. Once connected, 1Q Panels and Secondary Keypads will automatically move themselves to the Security network by default. Alarm.com Cameras and Doorbells can be manually moved to the Security network

from Mobile Tech, the Partner Portal or the End User website. Additionally, both Mobile Tech and the Partner Portal allow you to "see" the password for the Security network if needed.
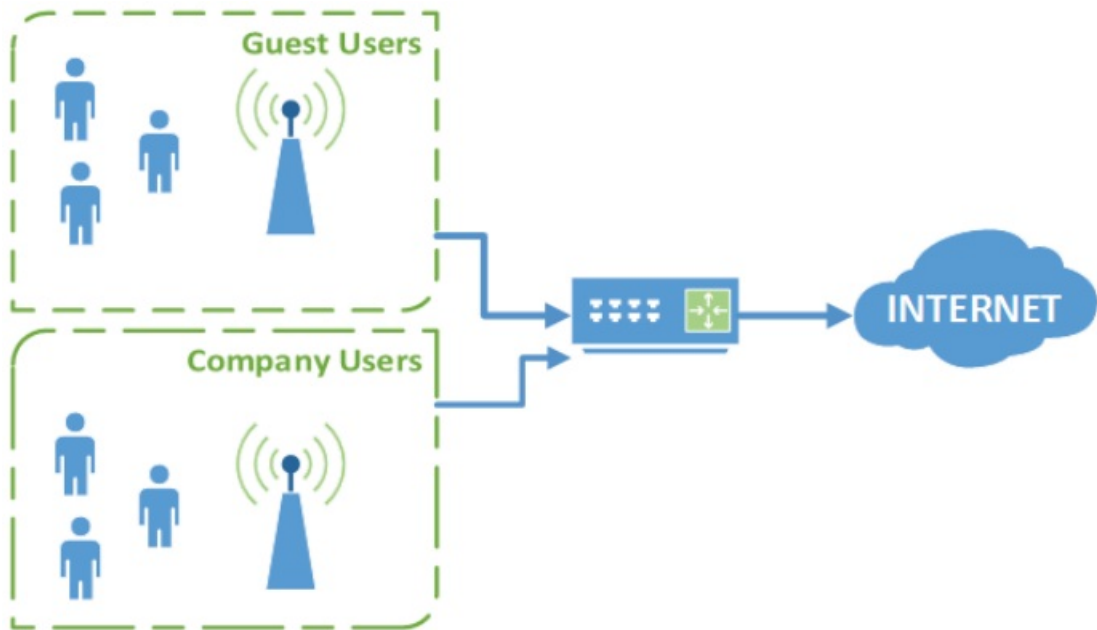
- **STEP 9: MOBILE MANAGMENT**
    - QWiFi 6 can be managed by the homeowner either directly from the Alarm.com app or from a dedicated 1Q WiFi app. In cases where Alarm.com is used, it is recommended to manage devices directly from Alarm.com. As long as the Controller is added to the ADC account (Step 7 above) no further action is required and IQ WiFi 6 will automatically show up for homeowner to control and manage the Main and Guest networks from their ADC app.
    - In cases where Alarm.com is not used, the homeowner can download the dedicated iQ WiFi app. To do this, go to iTunes/App Store or the Google Play store and search for 1Q WIFI.

ADDITIONAL CONSIDERATIONS

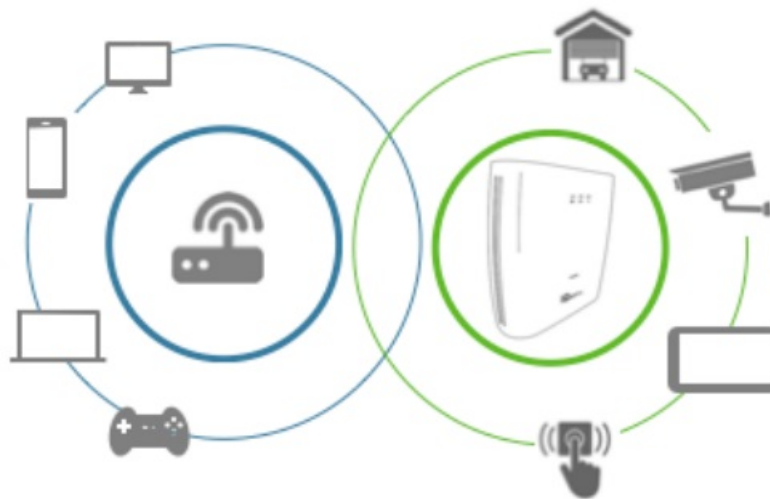**You can set up the IQ WiFi 6 in either of these ways:**

- **As the only wireless network on the premises:**

Great for:

- Improving connectivity for ALL WiFi devices on the network.
- Offering support for the entire network.

- **In parallel with an existing wireless network:**

Great for:

- Keeping the security and smart-home devices private/hidden from the rest of the WiFi 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.

TROUBLESHOOTING

LED Status:

Power LED

	State	Meaning
○	Off	Power Off
●	On	Power On / Ready
✳	Blink	Bootup / Firmware Update
● (red)	On	Critical Fault Detected
✳ (red)	Blink	Factory reset

WAN Status

	State	Meaning
○	Off	No WAN Link / No Mesh Link
●	On	WAN Link / Agent Mesh Link Strong
●✳	Single Blink Off	Agent Mesh Link Medium
●✳✳	Double Blink Off	Agent Mesh Link OK
✳	Blink	WPS Pairing in Progress - Wait

LAN Status

	State	Meaning
○	Off	No LAN Link / WiFi Not Available
●	On	WiFi Available

Smart Home Status
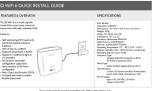
Reserved for future use

Factory Default:
Press and hold the physical reset button with a paper clip for 10 seconds then release. If factory defaulting Controller, reset Agents at the same time.

CONTACT TECH SUPPORT: **techsupport@qolsys.com**

ABOUT COMPANY

- 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
  2. this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:
  1. this device may not cause interference
  2. this device must accept any interference, including interference that may cause undesired operation of the device.

Documents / Resources

IQ WiFi 6 Router [pdf] Installation Guide
WiFi 6 Router, WiFi 6, Router

References

- **QOLSYS – Quality of Life Systems**