

Installation and Setup Instructions

IntrusionIQ Bridge

** 2-Zone / 4-Zone / 8-Zone / 12 -Zone SKUS**

** Field Use:** This sheet provides installation, wiring, setup, supervision, and basic programming guidance for the IntrusionIQ Bridge family.

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1. Product Description

The IntrusionIQ Bridge is a board-level network alarm interface that converts qualifying IP-based events into alarm panel zone activity. The same physical hardware platform may present more output terminals than are enabled on a particular SKU; only the licensed zone count for the purchased model is active.

Model/SKU	Enabled Zone Outputs
2-Zone SKU	Zones 1-2 active
4-Zone SKU	Zones 1-4 active
8-Zone SKU	Zones 1-8 active
16-Zone SKU	Zones 1-16 active

** Important:** Use the correct end-of-line resistor value required by the receiving alarm control panel or zone expander.

***Show and demo special have trouble outputs and supervision disabled.

THE BOARD HAS OUTPUTS 3, 11, 12, AND 13 DISABLED FOR FUTURE USE. AS A REMINDER, REMOVE THOSE SCREWS FROM THE OUTPUT TERMINALS SO YOU DONT USE.

2. Before You Install

- Disconnect panel power before making wiring connections.
- Mount the board first, then land power, Ethernet, and zone wiring.
- Verify the selected SKU has the required active zone count.
- Confirm the receiving panel or zone expander is compatible with a common-ground referenced triggering arrangement.
- Use suitable standoffs and hardware to keep the PCB off metal or conductive surfaces.

3. Install Instructions

1. Mount the IntrusionIQ Bridge inside a dry, protected enclosure or equipment space.
2. Support the board only at the four mounting holes. Install four equal-height standoffs before securing the PCB.
3. Do not allow the underside of the board to contact the cabinet, loose hardware, or grounded metal surfaces.
4. Position the board so terminal labeling remains visible and service access to all connections is maintained.
5. Tighten mounting hardware only enough to secure the PCB without flexing it.
6. Route field wiring to avoid strain on terminal blocks and abrasion against PCB edges.

4. Setup Programming

Network Addressing: The IIQ Bridge obtains an IP address via DHCP from your network by default. If no DHCP server is found, the board uses a fallback IP address. Use the IIQ Discovery Tool or your router's client list to identify the assigned IP address.

- The factory address is static and may be changed during initial setup.
- DHCP may be used only if the router is configured to hold the assigned address as a static reservation.
- Where possible, always set the board address to a static IP both in the board and in the router to ensure cameras and PIDs can consistently locate the Bridge.

If you can't find the IP Address assigned by your network, feel free to use our IIQ Discovery Tool. This will locate any IIQ board on your network so you can then Browse to it in your Browser and access the IIQ User Configuration.

Browser configuration:

Once inside the User Interface (UI) you will see the IIQ logo and tabs for network. Go to the Network tab to set and confirm the IP address as static or change to your network requirements.

From there, you will see other basic screens to enter a name for the project and save. For demo purposes, disable all supervision for zones in the supervision tab. No other entry is required on the Supervision Tab at this time.

Optionally, on the home screen tab, you can set "Site Name and Device Label" and press Save. This is useful if multi board site application.

TESTING: After wiring one wire from each output that you will be using to a corresponding alarm zone Positive terminal, and ONE zone Common terminal to ANY zone Common, feel free to then push the "Pulse 2 Sec" Action button on the home screen tab to "Fire the Zone". It's a good idea to enable chime by zone, so you can hear the zone actuate for setup and testing, or make the zone a "24 hr type" Audible zone if you want to use the siren output for testing. Chime is easier as it self restores.

5. Wiring Instructions

- **** Power Input:**** Connect 12VDC from the alarm control or an external power supply. If using an external supply, connect the panel GND terminal to the alarm panel GND reference.
- **** Zone Output Wiring:**** Run one common ground reference from the "Common GRD" terminal to the alarm control panel GND. Run one conductor from each IIQ zone output to the positive side of the panel zone.
- **** Trouble Output Wiring:**** Wire each selected trouble output to a panel zone programmed as a 24-hour trouble zone.
- **Alarm zones MUST BE CONFIGURED FOR END OF LINE RESISTOR SUPERVISION as the IIQ Bridge essentially shorts the zone positive to ground. It does not "Open the zone loop", hence the need for EOL.**

6. Technical Specifications

Input / Condition	Published Value
12VDC input design budget	0.16 A
48V PoE input design budget	0.04 A
Normal operation	Approx. 113 mA at 12VDC

7. Camera Compatibility (see Camera Compatibility Cut Sheet for current tested models)

CAMERA SETUP: Locate **HTTP Post** section, usually in the network section or Alarm Server Sections depending on Manufacturer. It is in this section that you put the IP Address of the IIQ Bridge you have previously set to Static above. In addition, you will add the output command line: **/r1on** for output 1 firing, **/r2on** for output 2.....**/r16on** for output 16 in each of the respective cameras HTTP Post sections. This is what the bridge sees from the network to fire the output to the alarm panel zone.

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