

OPTO 22

WELCOME! - QUICK START

Locate and save the cable tie mounts for use after you wire field devices.

1. Connect power and network.

Choose **only one** of the following:

- **Power and networking with the same cable** (Power over Ethernet), connect an 802.3af PoE Class 0 network switch to *groov* RIO's ETH1 port, using a Category 5e or 6 Ethernet cable.
- **External power supply and separate Ethernet cable**, connect 10-32 VDC power supply to *groov* RIO's power supply connectors. Then plug a standard Ethernet cable into either ETH0 or ETH1.

Important: Never supply power with both an external power supply and PoE.

The *groov* RIO module turns on as soon as power is connected and then attempts to obtain an IP address from a DHCP server on the network.

2. Connect to *groov* RIO and create an Admin account.

- Wait until the STAT LED stops blinking and is solid green.
- From a computer or mobile device connected to the same network, open a web browser and enter `https://` and your *groov* RIO's hostname as the URL (find the default hostname on the label on the unit's side).

For example, if the hostname is `opto-06-d2-dc`, you type: `https://opto-06-d2-dc`

*NOTE: If your browser doesn't connect to *groov* RIO within a few minutes, your network may not provide DHCP and DNS services. Go to www.opto22.com if you're using a Microsoft Windows PC, or go to the App Store if you're on an Apple device, and search for **groov Find**. Download the *groov Find* software and run it on a device on the same network as the *groov* RIO module. *groov Find* locates all *groov* products on your network. Identify your *groov* RIO by its default hostname and note its IP address; then use the IP address instead of the hostname as the URL.*

groov
RIO



Switched Ethernet interfaces:

ETH0

(PoE capable) ETH1

Power supply connectors

(use 22-14 AWG wires, as short as possible)

(Continued on reverse)

(Continued from reverse)

- c. At the Welcome screen, click Let's get started.
- d. Enter a username and password to create your Admin account. **Remember these credentials!** They cannot be recovered.
- e. Click Quick Start and follow the configuration steps. Check the *groov* RIO User's Guide for help. Find documentation in *groov* RIO: in the *groov* Manage Home screen, click Info and Help > Documentation. Open form 2324, the *groov* RIO User's Guide.

3. Configure the I/O, then GO!

- If you are using *groov* RIO with a controller running a PAC Control strategy, configure I/O in PAC Control. Otherwise, configure I/O in *groov* Manage (see "Configuring I/O" in the *groov* RIO User's Guide) Or, if building a custom program, go to developer.opto22.com.
- Communicate field data by creating Node-RED flows, publishing tags through MQTT, or both. Learn how in "Developing Node-RED Flows" and "Enabling MQTT" in the *groov* RIO User's Guide.
- Bundle and zip tie your field wires with the enclosed cable tie mounts (see "Bundling Wires with a Cable Tie Mount" in the user's guide).

Questions? If you still have questions after checking the user's guide, contact Opto 22 Product Support:

Phone: 800-835-6786 (Toll-free in the U.S. and Canada) or 951-695-3080

Email: support@opto22.com

Website: opto22.com/support/contact-us



To download the latest version of the *groov* RIO User's Guide (form 2324) from www.opto22.com, just scan this QR code.

Enjoy your *groov* RIO!

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