Ethernet Gateway V4
Quick Start Guide

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This guide provides a summary of how to make the changes needed to allow the Gateway to work on your Ethernet network. For more detailed instructions see www.packetpower.com/support or email support@packetpower.com
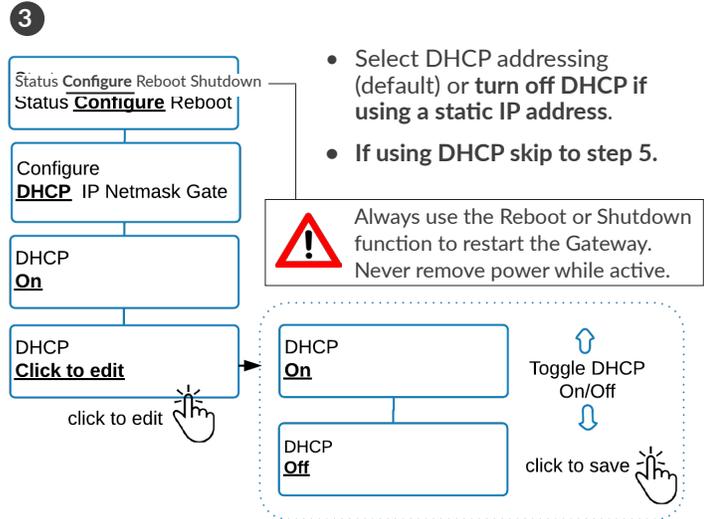
IMPORTANT: GATEWAY MUST BE CONNECTED TO A NETWORK TO ENABLE CONFIGURATION

1

NETWORK STATUS
5V DC
TO SWITCH/ROUTER

- Insert Ethernet cable into the network port and connect other end to the network.
- Connect the universal power supply provided to 5V DC jack to power the Gateway.
- **IMPORTANT:** If either of the Network Status lights is not lit there is no network connection. A network connection must be established before proceeding.
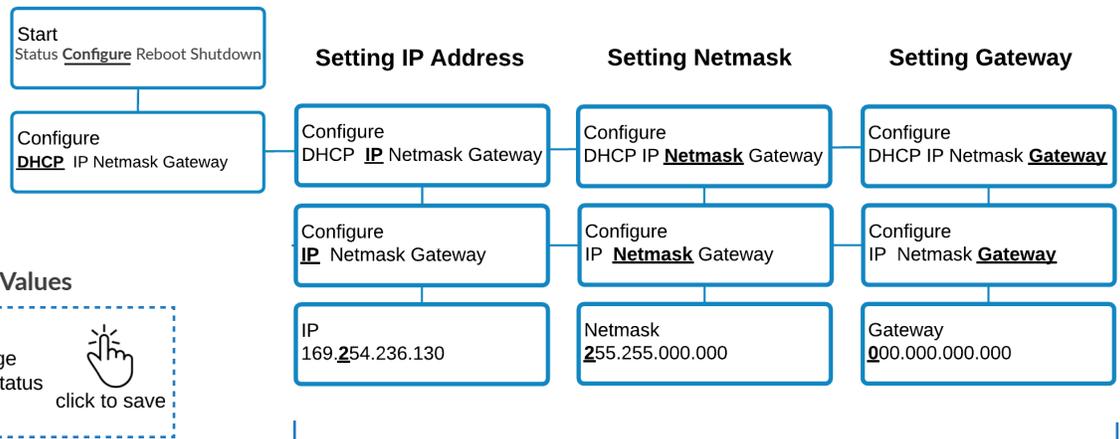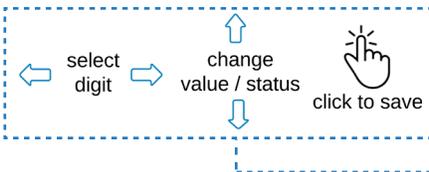
2

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E4 1.9.2

ETHERNET GATEWAY

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- Navigate the menu using the joystick; push joystick to enter a selection.

3

Status **Configure** Reboot Shutdown
Status **Configure** Reboot

Configure
DHCP IP Netmask Gate

DHCP
On

DHCP
Click to edit

click to edit

DHCP
On

DHCP
Off

Toggle DHCP On/Off

click to save

- Select DHCP addressing (default) or **turn off DHCP if using a static IP address**.
- **If using DHCP skip to step 5.**

⚠ Always use the Reboot or Shutdown function to restart the Gateway. Never remove power while active.
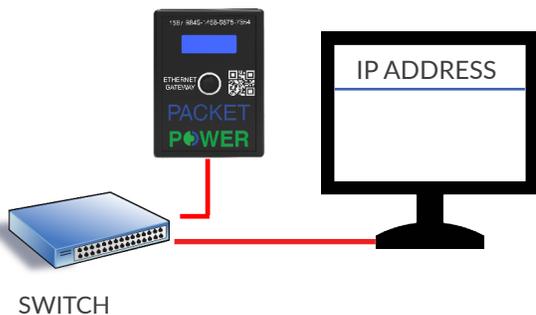
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4 SET IP ADDRESS

- With DHCP turned off, enter the IP address, netmask and gateway addresses.
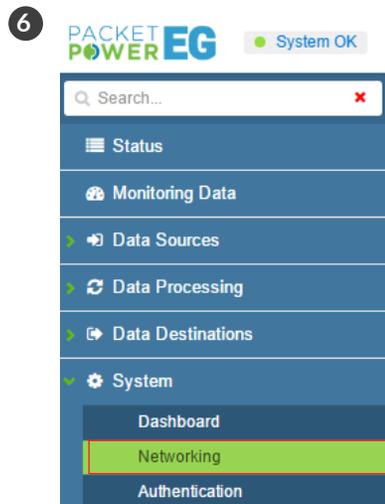- A temporary IP address can be assigned and modified once you have access to the Gateway.

Start
Status **Configure** Reboot Shutdown

Configure
DHCP IP Netmask Gateway

Modifying and Saving Values

select digit → change value / status

click to save

Setting IP Address

Configure
DHCP **IP** Netmask Gateway

Configure
IP Netmask Gateway

IP
169.**2**54.236.130

Setting Netmask

Configure
DHCP IP **Netmask** Gateway

Configure
IP **Netmask** Gateway

Netmask
255.255.000.000

Setting Gateway

Configure
DHCP IP Netmask **Gateway**

Configure
IP Netmask **Gateway**

Gateway
000.000.000.000

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5 ACCESS GATEWAY CONSOLE

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ETHERNET GATEWAY

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IP ADDRESS

SWITCH

- Access the **Gateway Console** by entering the Gateway's IP address onto a web browser.
- *Make sure the Gateway and browser are connected to an accessible switch or router.*

6

PACKET POWER EG ● System OK

🔍 Search... ✖

☰ Status
🖧 Monitoring Data
› ⏎ Data Sources
› ⟳ Data Processing
› ↦ Data Destinations
⌄ ⚙ System
    Dashboard
    Networking   NETWORKING TAB
    Authentication

- From the left hand menu select "System" and then the "Networking" tab.

7 NETWORK SETTINGS

Networking

Setup your networking information in order to properly communicate within your network.

Network Interface — IP ADDRESS (revealed only with DNS off)

DHCP: ◯ On ◉ Off

IP Address: Static IP address (ex: 192.168.0.100)

Netmask: Netmask (ex: 255.255.255.0)

Gateway IP: Local gateway IP (ex: 192.168.0.1)

Domain Name Servers (DNS) — DNS ADDRESS(ES)

Server 1: 192.168.1.1

Server 2: DNS server (ex: 192.168.0.1)

Proxy Server — PROXY SERVER(S)

Proxy ◯ On ◉ Off

Time Synchronization (NTP) — NTP SERVER(S)

Server 1: 192.168.1.1

Server 2: NTP time server (ex: 192.168.100.10)

Save

Left menu: Status, Monitoring Data, Data Sources, Data Processing, Data Destinations, System (Dashboard, Preferences, Networking, Authentication, Security, Radio Zone, Node Firmware Update, System Update, System Firmware Selection, License, Logs, Errors, Reboot)

NETWORK SETTINGS

- Enter the DNS address(s).
- Select a proxy server if applicable (often used when using EMX portal).
- Note that static IP addresses can also be modified here.
- Click "save" icon to input settings.

TIME SYNCHRONIZATION

- Enter an NTP time server IP address or domain name.
- Available servers can be found at http://www.pool.ntp.org
- Default time server is 0.pool.ntp.org and 1.pool.ntp.org
- Confirm the time at the top right of console.
- Click "save" icon to input settings.

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8 CHOOSE YOUR DATA DESTINATION

EMX

Setup your EMX monitoring data feed and support feed.

Monitoring Data Feed — EMX IMPLEMENTATION TYPE

Mode	Select	Destination
Cloud EMX	◉	Send monitoring data to cloud EMX. **Requires firewall http(s) access**
Local EMX	◯	Send monitoring data to a local EMX host: Local EMX host (ex: https://192.168.0.1)
Disabled	◯	Do not send data anywhere (for use with SNMP or Modbus)

Upgrade and Support Feed

Mode	Select	Destination
Cloud EMX	◉	Enable upgrade information feed from cloud EMX. **Requires firewall http(s) access to *.amazonaws.com**
Local EMX	◯	Enable upgrade information feed from a local EMX host: Local EMX host (ex: https://192.168.0.1)
Disabled	◯	Do not use the support data feed

Save

Left menu: Status, Monitoring Data, Data Sources, Data Processing, Data Destinations (EMX, Modbus, SNMP), System — DATA DESTINATIONS

- Click on the "Data Destinations" tab on the left hand menu.
- Select how you want to receive your data: *EMX, Modbus or SNMP*. EMX feeds can be delivered simultaneously with Modbus or SNMP feeds.
- For SNMP or Modbus output ensure the Gateway is licensed correctly as indicated by a green light on the SNMP or Modbus tabs under "Data Destinations". Contact Packet Power if the SNMP or Modbus feed needs to be enabled.
- For Modbus and SNMP implementation refer to the detailed support pages at packetpower.com/support
- Select the desired EMX implementation type (cloud is default) for both "Monitoring Data Feed" and "Upgrade and Support Data Feed" sections.
- *Ensure that the Gateway's IP address has outbound access to port 443 (HTTPS) for *.amazonaws.com when using cloud EMX.*
- Enter the IP address of the server for local EMX implementation.
- Before you can access your data via EMX make sure your Packet Power representative has set up an EMX account. See the support section for EMX for additional details.