

Step 5: Fill out the field for the IP address with the following:

192.168.0.XXX

(The XXX can be any value that is **NOT** 50 because "50" is the default IP address assigned to the LTE gateway)

Fill the Subnet Mask field with the following:

255.255.255.0

Click **OK** to finalize. Open a web browser and navigate to the following address to access the web UI:

http://192.168.0.50

Once you have access to the gateway internal UI, you will be prompted to enter a password. Follow these instructions:

Step 6: Enter the password located on the label of the Gateway unit.

Step 7: Follow the on-screen instructions to update your password.

Once in the Web UI, you can add external accessories by clicking on the **Add** button of the UI. Follow the dropdown bar selections and fill out all fields as required.

Pairing a Sensing Device

Refer to either the Wireless Pairing or Wired Pairing instructions as applicable:

Wireless Pairing

Pairing your wireless Smart Interface (IF-006) or Smart Sensor is made easy with a one-button pairing system between the IF-006 or Smart Sensor and the Omega Link Gateway.

Step 1: Push the pairing button once on your IF-006 or Smart Sensor device. The LED Status Indicator will blink green indicating it is in Pairing Mode.

Step 2: Quickly push the pairing button on the Omega Link Gateway. The LED on the Gateway will blink green indicating the Gateway is in Pairing Mode.

When the IF-006 or Smart Sensor has been successfully paired to the Omega Link Gateway, the LED will stop blinking on both devices.

Wired Pairing

Wired Smart Probes connected directly to an Omega Link Gateway with an IF-001 cable or IF-002 will need to be added to the Gateway through the Gateway User Interface (UI). Refer to the Omega Link Gateway User's Manual for more information regarding Gateway UI access.

The Connected Devices tab is the default homepage presented once the user logs in to the internal gateway UI. From here, users can add devices to the gateway and have them appear in the Omega Link Cloud account.

To add a device to the gateway from the internal gateway web UI, begin by clicking the Add button at the top right of the web page and fill out the Add Device menu according to the device specifications.

For more information regarding wired or wireless pairing, refer to the Omega Link Gateway User's Manual available on the Omega website.

WARRANTY/DISCLAIMER

OMEGA ENGINEERING, INC. warrants this unit to be free of defects in materials and workmanship for a period of **13 months** from date of purchase. OMEGA's WARRANTY adds an additional one (1) month grace period to the normal **one (1) year product warranty** to cover handling and shipping time. This ensures that OMEGA's customers receive maximum coverage on each product.

If the unit malfunctions, it must be returned to the factory for evaluation. OMEGA's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by OMEGA, if the unit is found to be defective, it will be repaired or replaced at no charge. OMEGA's WARRANTY does not apply to defects resulting from any action of the purchaser, including but not limited to mishandling, improper interfacing, operation outside of design limits, improper repair, or unauthorized modification. This WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of having been damaged as a result of excessive corrosion; or current, heat, moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of OMEGA's control. Components in which wear is not warranted, include but are not limited to contact points, fuses, and triacs.

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Direct all warranty and repair requests/inquiries to the OMEGA Customer Service Department. BEFORE RETURNING ANY PRODUCT(S) TO OMEGA, PURCHASER MUST OBTAIN AN AUTHORIZED RETURN (AR) NUMBER FROM OMEGA'S CUSTOMER SERVICE DEPARTMENT (IN ORDER TO AVOID PROCESSING DELAYS). The assigned AR number should then be marked on the outside of the return package and on any correspondence.

FOR **WARRANTY** RETURNS, please have the following information available BEFORE contacting OMEGA:

1. Purchase Order number under which the product was PURCHASED,
2. Model and serial number of the product under warranty, and
3. Repair instructions and/or specific problems relative to the product.

FOR **NON-WARRANTY** REPAIRS, consult OMEGA for current repair charges. Have the following information available BEFORE contacting OMEGA:

1. Purchase Order number to cover the COST of the repair or calibration,
2. Model and serial number of the product, and
3. Repair instructions and/or specific problems relative to the product.

OMEGA's policy is to make running changes, not model changes, whenever an improvement is possible. This affords our customers the latest in technology and engineering.

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QUICK START



GW-002-1-LTE

Long Range LTE-Enabled Wireless Gateway with Cloud Connectivity



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The information contained in this document is believed to be correct, but OMEGA accepts no liability for any errors it contains, and reserves the right to alter specifications without notice.

Introduction



Important: Do not power on the Gateway or Smart Sensor before Gateway registration is complete.

Use this Quick Start Guide to set up your Omega Link Wireless LTE Gateway. For additional information regarding your Omega Link Wireless LTE Gateway, refer to the User's Manual available on the Omega website.

Materials

Included with your Omega Link LTE GW-002

- Omega Link LTE GW-002 unit
- Quick Start Guide
- 12 V Power Adapter
- Sub GHz Antenna
- LTE Antenna

Additional Materials Needed

- A registered user account with cloud.omega.com
- A Windows OS PC or laptop with modern web browser access and an open RJ45 port
- A compatible sensing device that will connect to the GW-002

Creating an Omega Link Cloud Account

To register your Omega Link Gateway with Omega Link Cloud, you must first create and register an Omega Link Cloud account. Using any device with a web browser, complete the following steps:

Step 1: Open your browser to cloud.omega.com

Step 2: Click **Sign Up** and complete the registration process.

Once the user credentials are verified, you can sign in and will be presented with the Omega Link Cloud homepage.

Registering a Gateway to Omega Link Cloud

Once you are logged in, register your new Gateway by following these steps:

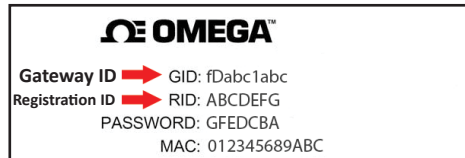
Step 1: From the Omega Link Cloud homepage, click **Add Gateway**.

Add Gateway



Note

Note: The label containing the Gateway ID and Register ID is located on the bottom of the gateway unit.



Step 2: Type in the **Gateway ID (GID)**.

Step 3: Type in the **Registration ID (RID)** and click **Register** in the Cloud UI.

Step 4: Once the gateway has been successfully

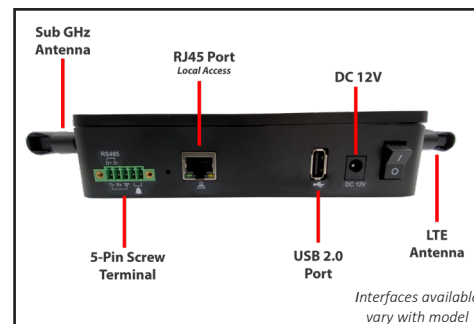
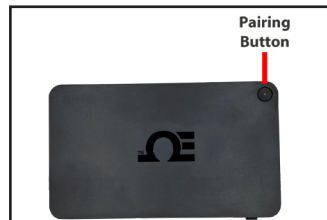
registered, an icon will appear next to the registered device.

Note

Note: The icon will disappear once the registered gateway is powered on.

Omega Link Gateway Hardware Setup

Once the Gateway is registered to an Omega Link Cloud account, follow these instructions to power on your gateway:



Step 1: Connect the Sub GHz antenna and the LTE antenna included with the Gateway to the sides of the device housing.

Step 2: Connect the DC 12 V adapter to the back of the Gateway.

Step 3: Turn the power switch on the Gateway to the ON position.

Step 4: The LED light on the **Pairing Button** will blink red to indicate that it is booting up and updating firmware.



Important: If the LED light is solid amber/orange, the Gateway is unable to connect to the network and there may be an issue with the cellular service. Contact Omega Engineering for additional help.

Once the Omega Link Gateway is connected to the Internet, the device will automatically download the latest firmware available and the LED status indicator will blink green when the process is complete.

LED Color	Status Description
Amber/Orange (solid)	Gateway is powered on; no network connection
Green (blinking repeatedly)	Gateway is in Pairing Mode or Firmware Upgrade was successful
Amber/Orange (Blinking + Reboot)	Gateway firmware automatic update in progress
Red (blinking)	Gateway is powering on or Firmware Upgrade in progress
Green (solid)	IP address successfully obtained or network connection successful
No Light	Unit is off or in Sleep Mode

First-Time Gateway Internal UI Access

All Omega Link Gateway models contain an internal user interface (UI) that is used to manually upgrade firmware, add wired sensing devices to the gateway, and add other external accessories and peripherals.

The GW-002 comes with a factory default Static IP, however, DHCP can be enabled from the internal Gateway UI. To access the internal Gateway UI for the first time, connect the Gateway directly to a Windows PC using an RJ45 Ethernet cable and follow the steps below:

Note

Important: The GW-002 LTE Gateway has a default static IP address of **192.168.0.50**.

Step 1: Navigate to the **Windows Control Panel** and click **Network and Sharing Center**.

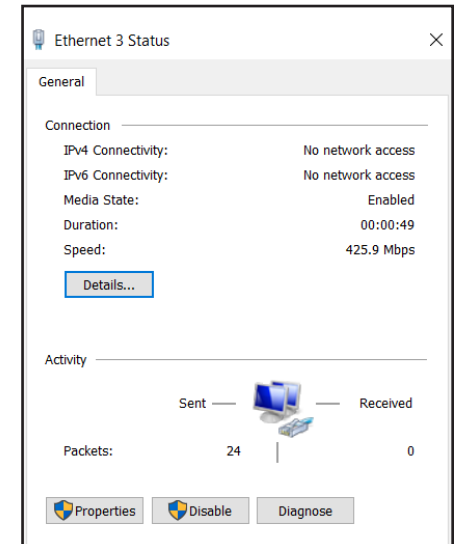


Network and Sharing Center

Step 2: Click the **Unidentified Network Connection**.

Unidentified network	Access type: No network access
Public network	Connections: Ethernet

Step 3: Click **Properties**.



Step 4: Click **Internet Protocol Version 4 (TCP/IPv4)** to highlight the selection and then click **Properties**.

