

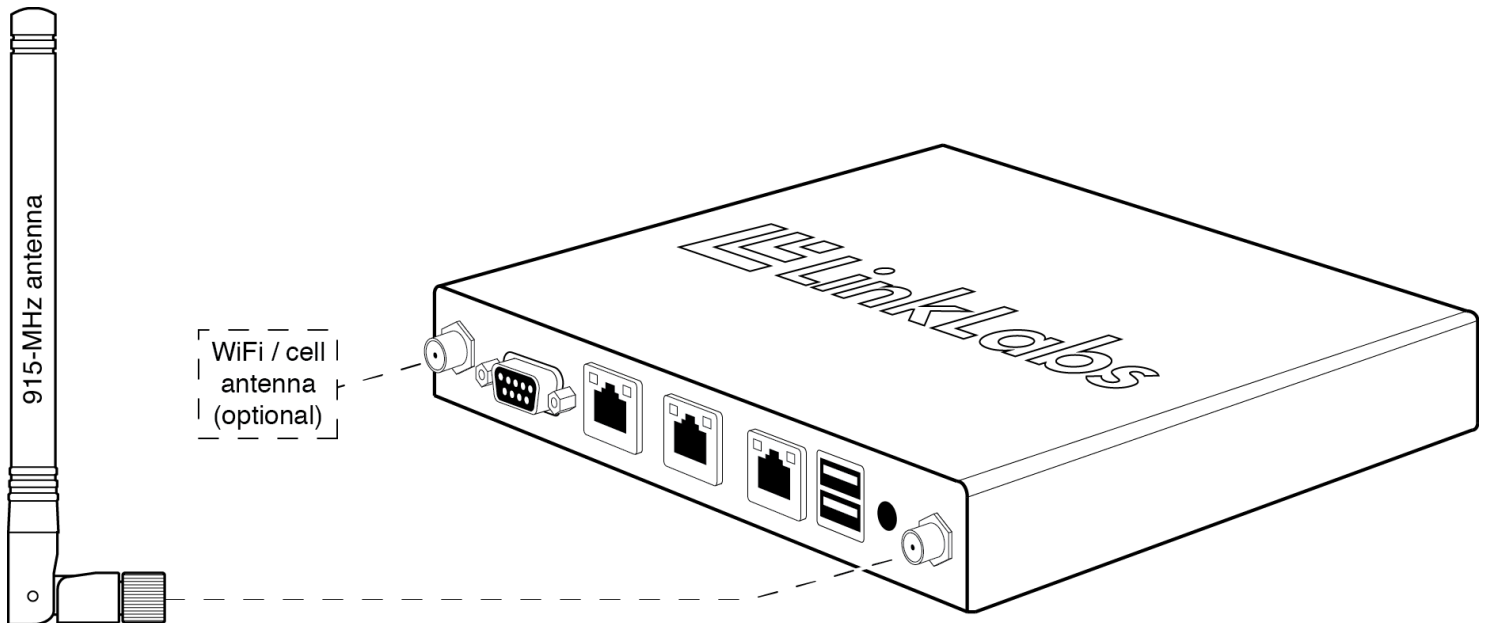
LL-BST-8 GATEWAYS

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Symphony Link Gateway Quick Start Guide - Indoor Models

Step 1: Turn on the gateway



Connect the antennas.

Connect the 915-MHz antenna to the gateway's UHF antenna jack. Connect the Wifi or cellular antenna to the **Wifi** or **Cell** jack (for Wifi / cell enabled models only).



Ethernet model



WiFi model



Cell model

Apply power.

Connect one end of the wall-plug adapter to the gateway's **Power** port and the other end to an electrical outlet.

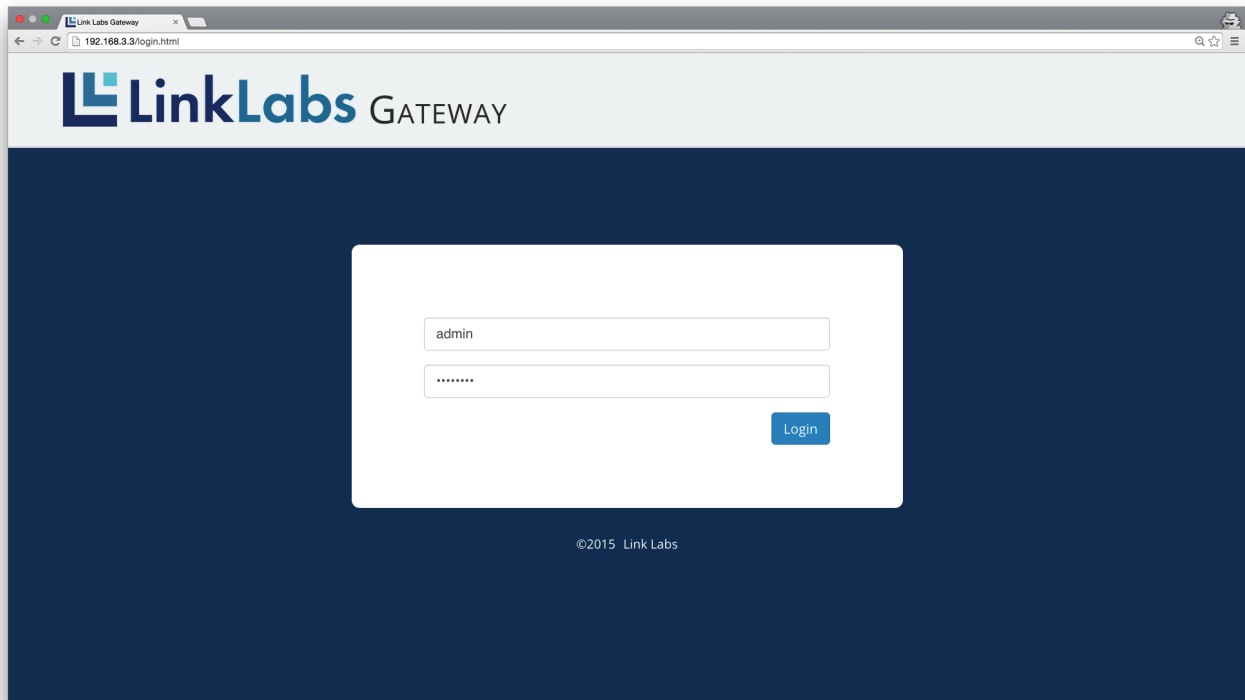
Step 2: Access the gateway's local webpage

Connect a PC.

Wait a minute for the gateway to bootstrap, then connect a PC to the local Ethernet jack (the middle one) using the provided Ethernet cable.

Navigate to the local webpage.

On the connected PC, open a browser and navigate to 192.168.3.3. Log in using username "admin" and password "password."



The gateway's local webpage appears.

The local webpage provides an interface to view the status of the gateway, to connect it to the Internet, and to register the gateway with a [Conductor](#) account.

The screenshot shows the LinkLabs Gateway Administrator web interface. The browser address bar displays '192.168.3.3/index.html'. The page title is 'LinkLabs GATEWAY' and the user is logged in as 'Gateway Administrator'. The main content area is divided into three sections: Gateway Status, Symphony Registration, and Network Configuration.

Gateway Status

GATEWAY NAME: \$10150-0-0-db93e825c	GATEWAY: \$10150-0-0-db93e825c	MODE: Symphony
SYMPHONY VERSION: 1.1.2	BOOT TIME: 15 minutes ago	NETWORK TIME SERVICE: Synchronization in Progress
PUBLIC INTERNET ROUTING: No Connection	CONDUCTOR CONNECTION: No Connection	

Symphony Registration

REGISTRATION: **Not Registered**

SYMPHONY NETWORK: . NETWORK TOKEN: .

[Register Gateway](#)

▶ Advanced

Network Configuration

DEFAULT ROUTE: .

Wired Network Administration Port Wireless

Enabled

Configure wired ethernet interface IP address assignment

MAC ADDRESS: 00:0D:B9:3E:82:5C	PHYSICAL STATE: No cable	LINK STATE: Unavailable
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IP ADDRESS CONFIGURATION METHOD:

IP ADDRESS: .	NETMASK: .	GATEWAY: .	DNS: .
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Step 3: Connect the gateway to the Internet

To connect via wired Ethernet...

Connect a DHCP-enabled network to the gateway's LAN Ethernet jack (the one closest to the serial connector).

In the **Wired Network** tab, select the **Enabled** checkbox. Click **Submit**.

*Wireless ***Wired Network** Administration Port

Enabled *

Configure wired ethernet interface IP address assignment

MAC ADDRESS: 00:0D:B9:3E:82:5C **PHYSICAL STATE:** Cable attached **LINK STATE:** Activated

IP ADDRESS CONFIGURATION METHOD: DHCP

IP ADDRESS: 1.1.1.6 **NETMASK:** 255.255.255.0 **GATEWAY:** 1.1.1.1 **DNS:** 8.8.8.8, 1.1.1.1

Submit

After a few moments, the **Wired Network** tab updates with the connection information.

To connect using WiFi (WiFi-enabled models only) ...

In the **Wireless** tab of the local webpage, select the **Enabled** checkbox.

*Wired Network Administration Port ***Wireless**

Enabled *

Configure Wifi interface access point and IP address assignment

MAC ADDRESS: 04:F0:21:14:CF:03 **PHYSICAL STATE:** No Access Point **LINK STATE:** **Disconnected**

SSID: * Select an access point **SHARED KEY:** *

IP ADDRESS CONFIGURATION METHOD: DHCP

IP ADDRESS: - **NETMASK:** - **GATEWAY:** - **DNS:** -, -

Select a Wifi network from the **SSID** dropdown listbox and enter the password in the **SHARED KEY** editbox. Click **Submit**.

*Wired Network Administration Port *Wireless

Enabled *

Configure Wifi interface access point and IP address assignment

MAC ADDRESS: 04:F0:21:14:CF:03 PHYSICAL STATE: No Access Point LINK STATE: **Disconnected**

SSID: * LinkLabs-2.4GHz SHARED KEY: * *****

IP ADDRESS CONFIGURATION METHOD: DHCP

IP ADDRESS: - NETMASK: - GATEWAY: - DNS: -

Submit

After a few moments, the Wireless tab updates with the connection information.

Wireless Wired Network Administration Port

Enabled

Configure Wifi interface access point and IP address assignment

MAC ADDRESS: 04:F0:21:14:CF:03 PHYSICAL STATE: Peered with Access Point LINK STATE: Activated

SSID: LinkLabs-2.4GHz SHARED KEY:

IP ADDRESS CONFIGURATION METHOD: DHCP

IP ADDRESS: 1.1.1.226 NETMASK: 255.255.255.0 GATEWAY: 1.1.1.1 DNS: 8.8.8.8, 1.1.1.1

To connect using Cellular (cellular-enabled models only) ...

The cellular-enabled model of the indoor gateway (LL-BST-8-915-SYM-G-I-US) includes a GSM modem. To use cellular option, first [insert a SIM card](#) in the gateway.

Step 4: Register the gateway with Conductor

This step connects your gateway to your web-based Conductor account.

Register the gateway.

Once the gateway is connected to the Internet, click the **Register Gateway** button in the **Symphony Registration** section of the local webpage.

Symphony Registration

<p><small>REGISTRATION:</small> Not Registered</p>	<p><small>SYMPHONY NETWORK:</small> -</p>	<p><small>NETWORK TOKEN:</small> -</p>
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The **Conductor Login** prompt appears. Enter your credentials and click the **Login** button. Or, if you do not have a Conductor account, click the **Create User** button and follow the directions to make an account.

Conductor Login

✕

Enter your account information for the Link Labs Conductor online interface.
This same account is used at conductor.link-labs.com.

The **Register Gateway** prompt appears.

In this example, we're going to register the gateway with a new Symphony Link Network. (But if you want, you can simply register the gateway with the **Open Gateway** network.) Click the **Create Network** button.

Register Gateway \$101\$0-0-0-db93e825c

Select an available network

	NAME	NETWORK TOKEN	ACCOUNT
✓	Open Gateway	OPEN	—

Register

Create Network

Conductor populates a new, unique network to the list. In this example, it is **Network xB36E**. Click the **Register** button.

Register Gateway \$101\$0-0-0-db93e825c

Select an available network

	NAME	NETWORK TOKEN	ACCOUNT
	Open Gateway	OPEN	—
✓	Network xB36E	4956b36e	symphony_link@link-labs.com

Register

Create Network

The prompt disappears and the **Symphony Registration** section of the local webpage updates. It shows the gateway is registered with the newly created network. (You may need to refresh your browser.)

Symphony Registration

REGISTRATION:
Registered

SYMPHONY NETWORK:
Network xB36E

NETWORK TOKEN:
4956b36e

How do I insert a SIM card into a cellular-enabled LL-BST-8?

The cellular-enabled gateway requires a GSM mini-SIM to connect to a cellular network.

Remove power.

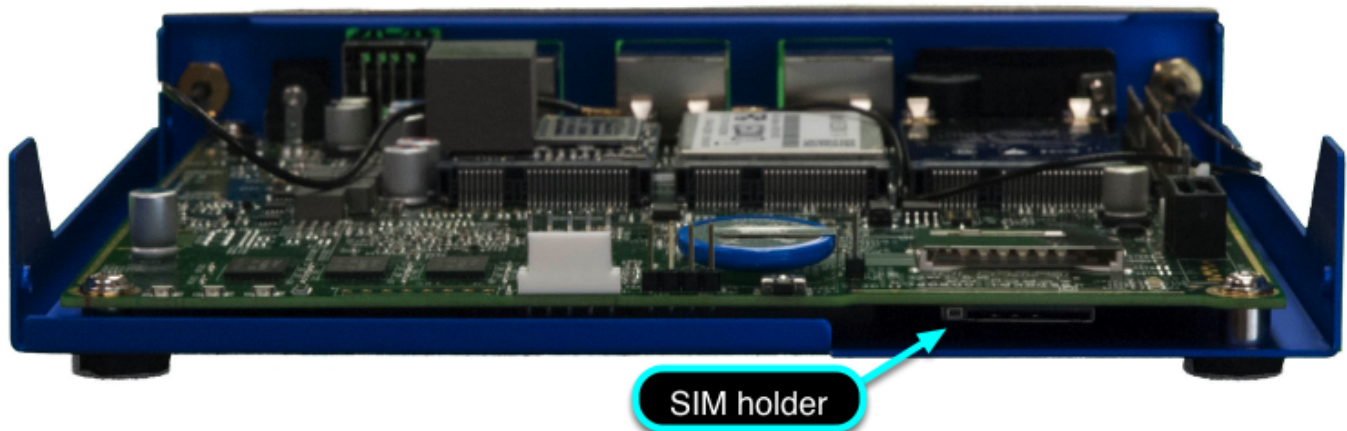
Remove power to the gateway by unplugging the wall-plug adapter.

Remove the lid.

Remove the four screws, which secure the lid of the enclosure. Then remove the lid and set it aside.

Insert the SIM card.

Insert your GSM mini-SIM card into the SIM-card holder (the [mini-SIM](#) is sometimes called a "Regular" SIM). The SIM-card holder is located on the **bottom side** of the motherboard, opposite the side with all the connectors.



Replace the lid.

Replace the lid and screws.