



ZAPTEC Power Line Communication Module Installation Guide

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ZAPTEC Power Line Communication Module



Product Information

The PLC module is a device that converts a wired internet connection (network cable) to the internet over the local power grid. It requires a connection to the mains power cabling and a standard Ethernet. The module is mounted on a DIN rail and should only be connected to terminals marked L1-N and PE. Connecting the PLC module to the 3-phase power or using L2 or L3 terminals can reduce signal strength. The PLC module can be configured using the Zaptec App.

Product Usage Instructions

1. Open the Zaptec App and log in with your Zaptec account.
2. From the Home screen, tap the ... at the top-right.
3. Select *Configure product* and connect to the charger with Bluetooth.
4. Scroll down to Network settings and tap *Configure PLC*.
5. Tap *Scan Network Name*.
6. Use the camera to scan the QR code on the PLC module or upload an image from the gallery.
7. Tap *Save* to connect to the network.
8. Repeat these steps for each charging station to be connected to the PLC module.

Note: For installations with multiple PLC modules, make sure to encrypt the PLC to belonging chargers.

Status Light Indicator:

- **Green:** PLC is connected to power.
- **No Light:** PLC is not connected to power.
- **Red:** PLC communicates with charger(s).
- **Green:** PLC is not communicating with other units on the PLC network. This could be because the chargers are not encrypted with the same encryption key as PLC.
- **Green:** PLC is connected to the network router.

- **No Light:** PLC is not connected to an open port on the router. Even though it is communicating with the router, it does not have access to the internet.

If you encounter any issues, please refer to the troubleshooting section at zaptec.com/PLC. For further assistance, you can contact our technical support team at +47 919 03 676.

PLC Installation Guide

The PLC module converts wired internet connection (network cable) to the internet over the local power grid.

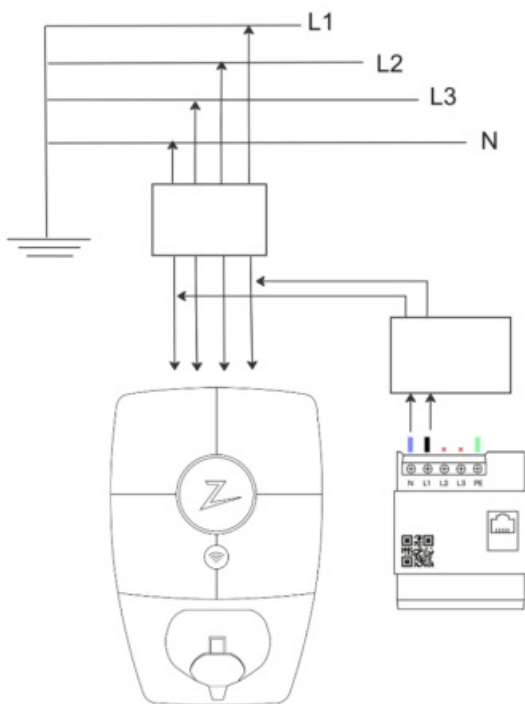
Installation

The PLC module is mounted on a DIN rail. It requires a connection to the mains power cabling and a standard ethernet. Only use connection terminals marked L1- N, PE. Connecting the PLC 3 phase or using L2 or L3 will extend the cable length which can reduce the signal strength.

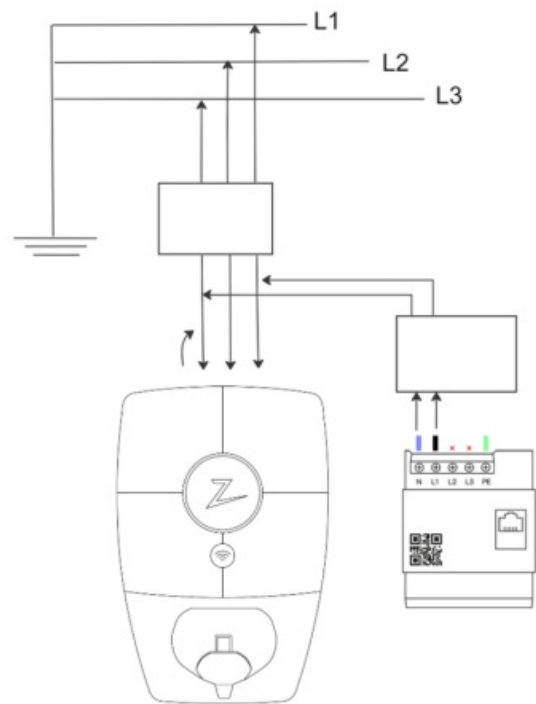
To ensure reliability:

- Minimum one PLC module for each circuit
- Each PLC can support up to 30 chargers
- Install the PLC module in an enclosure near the charging stations. Network cable should not exceed 90 meters
- Remove/ isolate noise sources from network

Connection TN system



Connection IT system

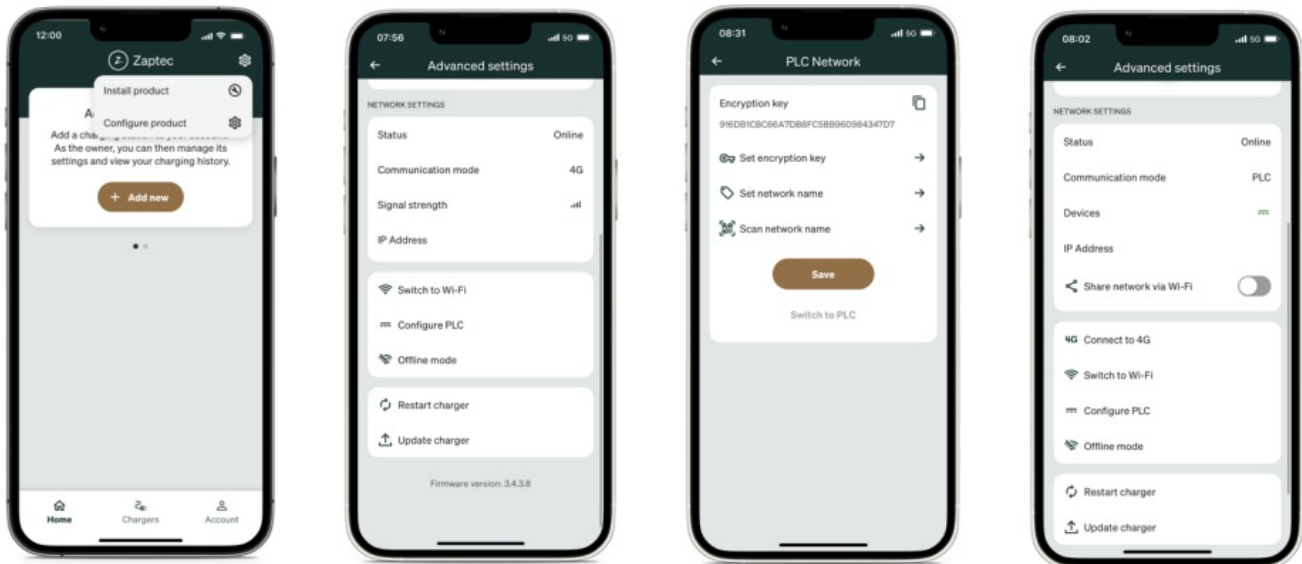


Configure the PLC module

After installation, the PLC module must be configured in the Zaptec App.

1. Open the Zaptec App and log in with your Zaptec account

2. From the Home, tap the at the top-right
3. Select “Configure product ” and connect to the charger with Bluetooth
4. Scroll down to Network settings. Tap “Configure PLC”
5. Tap “Scan Network Name”
6. Use the camera to scan the QR code on the PLC module or upload image from gallery
7. Tap “Save” to connect to network



Repeat these steps for each charging station to be connected to the PLC module.

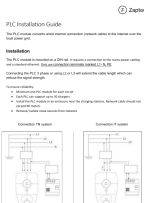
Note! For installations with more than one PLC module, be sure to encrypt the PLC to belonging chargers

Status light indicator

	Green	PLC is connected to power
	No Light	PLC is not connected to power
	Red	PLC communicates with charger(s)
	Green	PLC is not communicating with other units on the PLC network. This could be because the chargers are not encrypted with the same encryption key as PLC
	Green	PLC is connected to network router
	No Light	PLC is not connected to open port on router. Even though it is communicating with router, it does not mean it has access to the internet.

- If you discover an issue, please read our troubleshooting section at zaptec.com/PLC
- If you have any further questions feel free to contact our technical support team at: +47 919 03 676

Documents / Resources

	<p>ZAPTEC Power Line Communication Module [pdf] Installation Guide Power Line Communication Module, Power Line Communication, Module, PLC Module</p>
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Manuals+