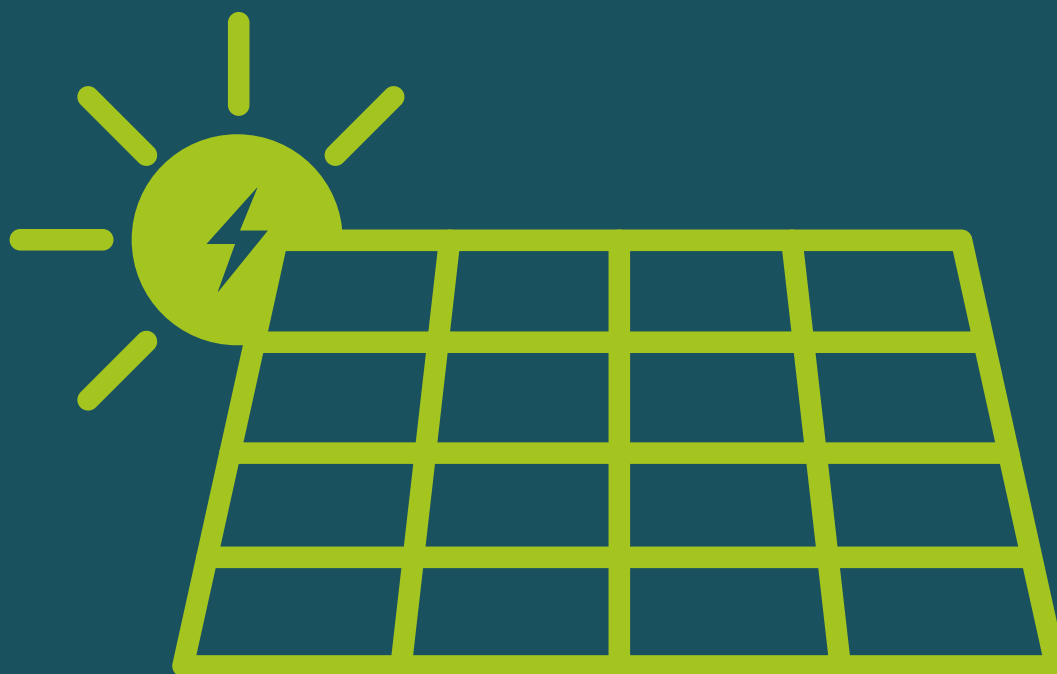
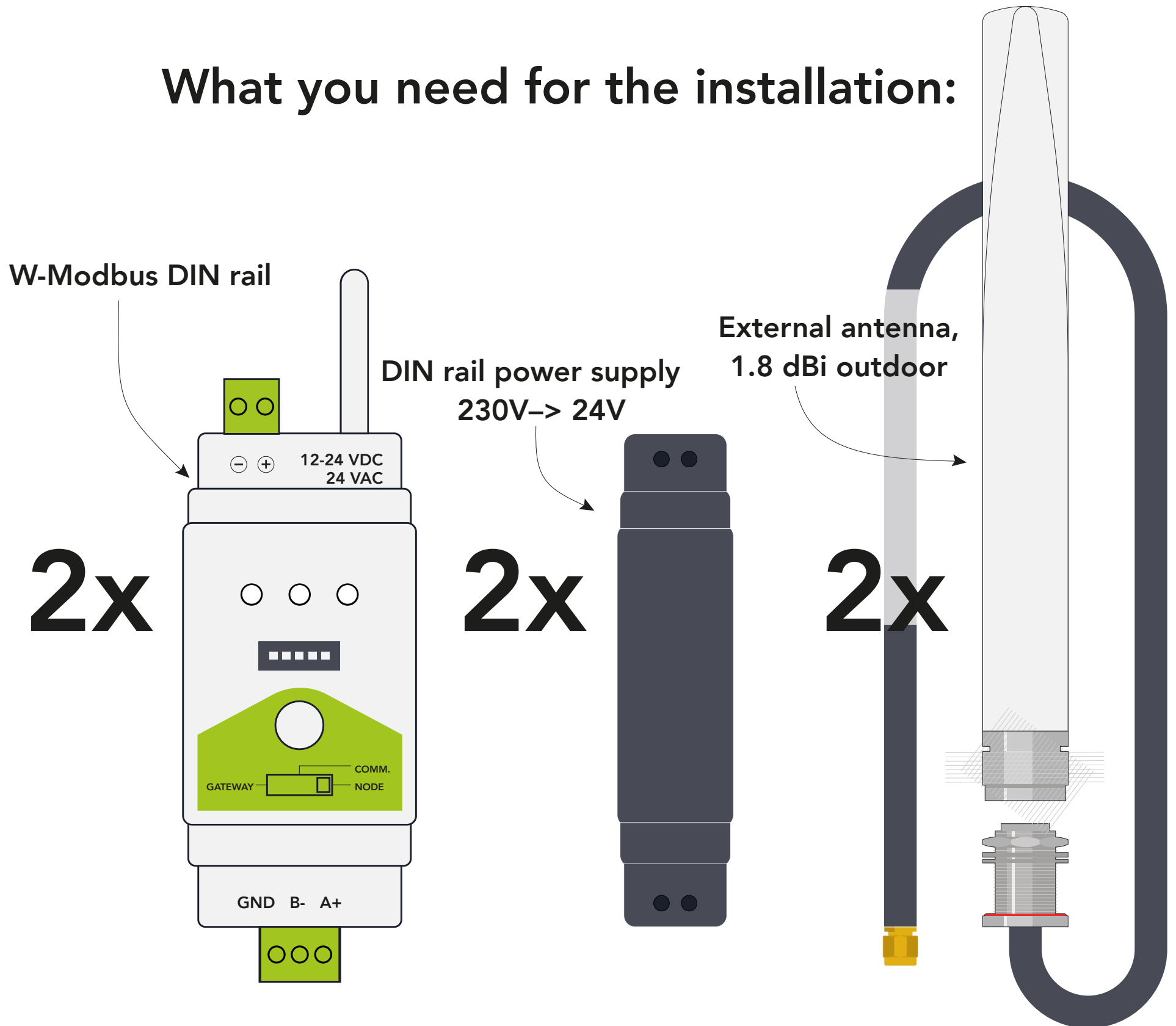


SOLAR INSTALLATION GUIDE

Wireless communication between inverter and smart meter with Solar Kit

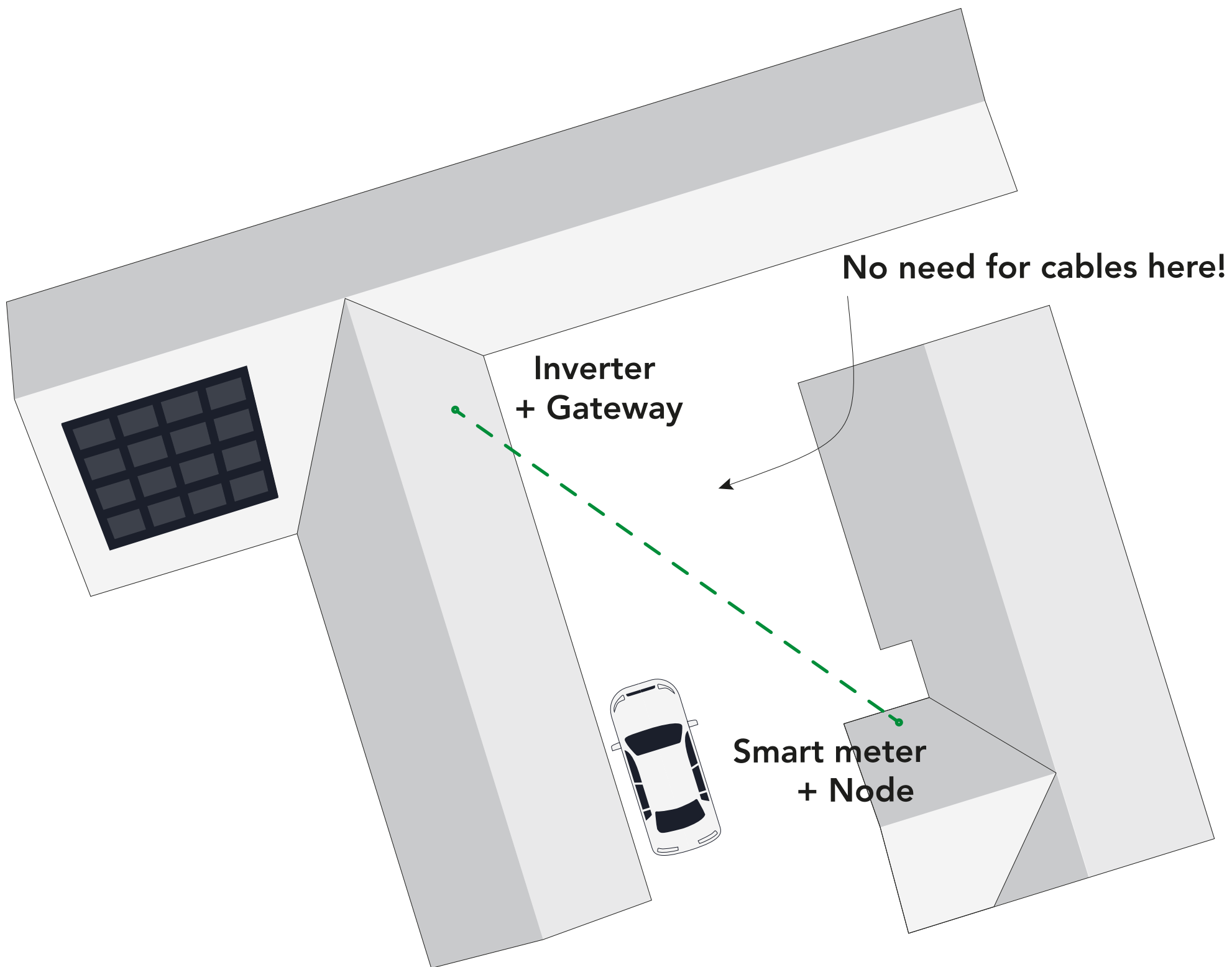


What you need for the installation:

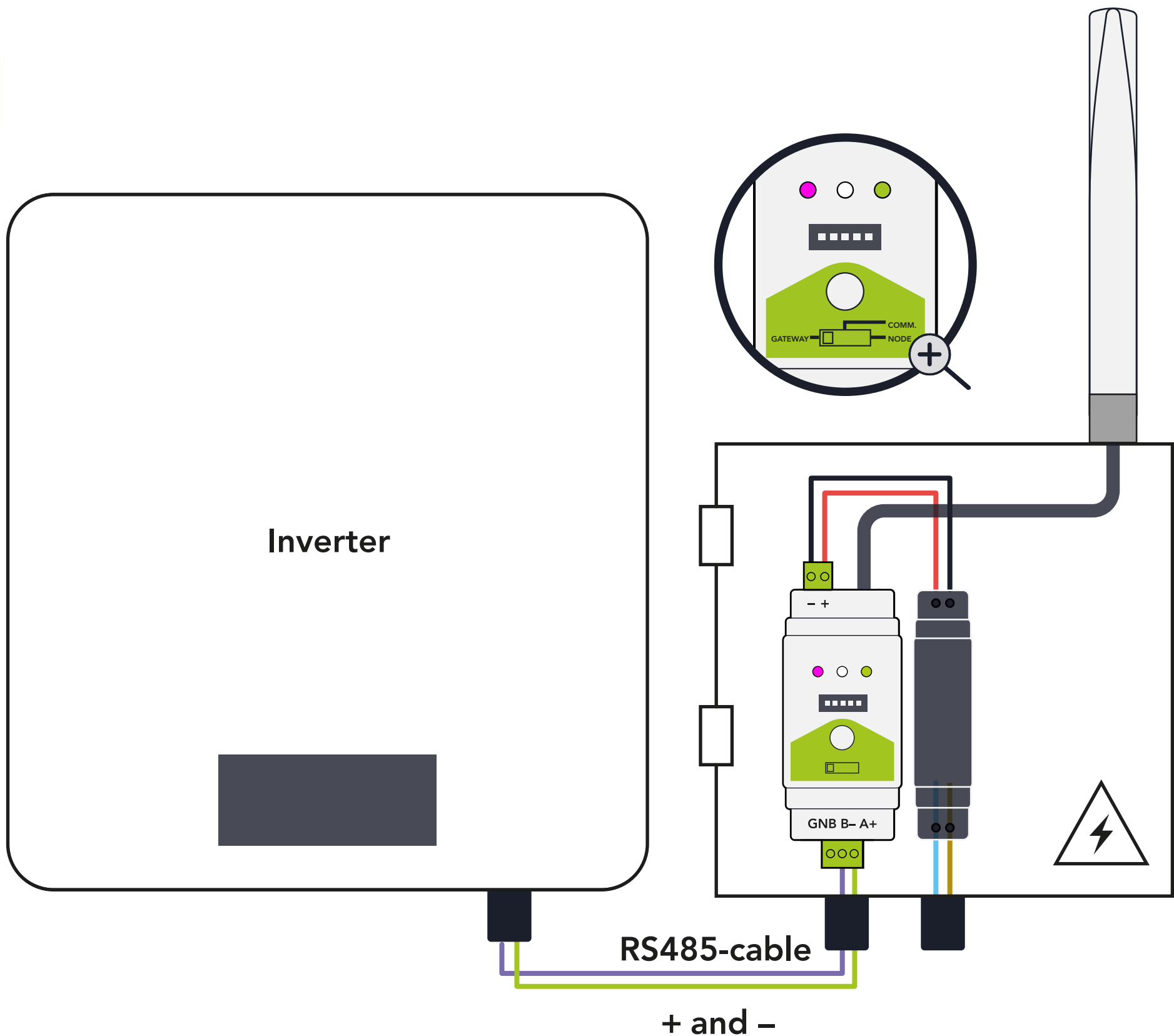


- Be careful not to damage the antenna connector when replacing the antenna.
- Scan the QR code for LED status information.

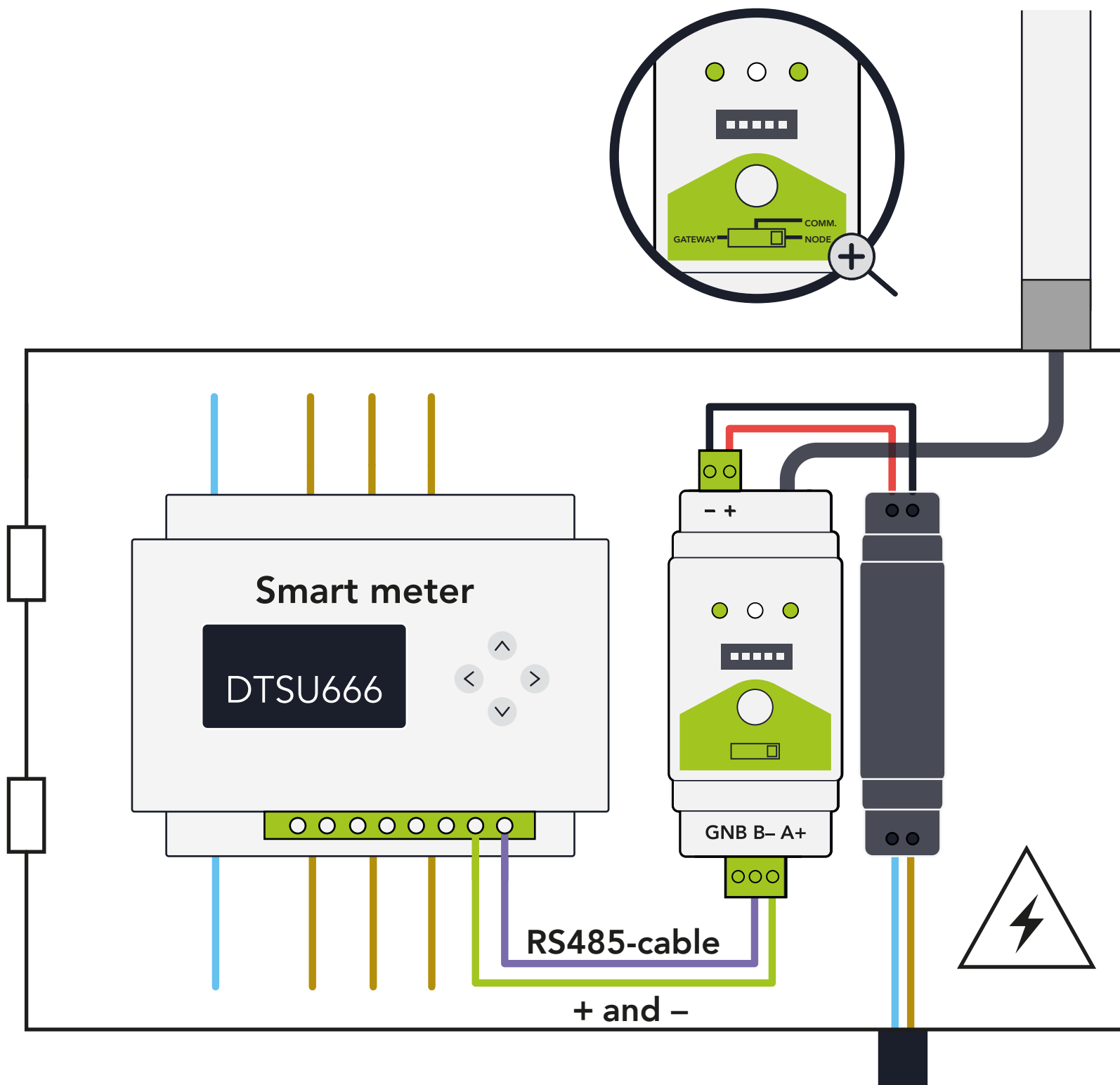




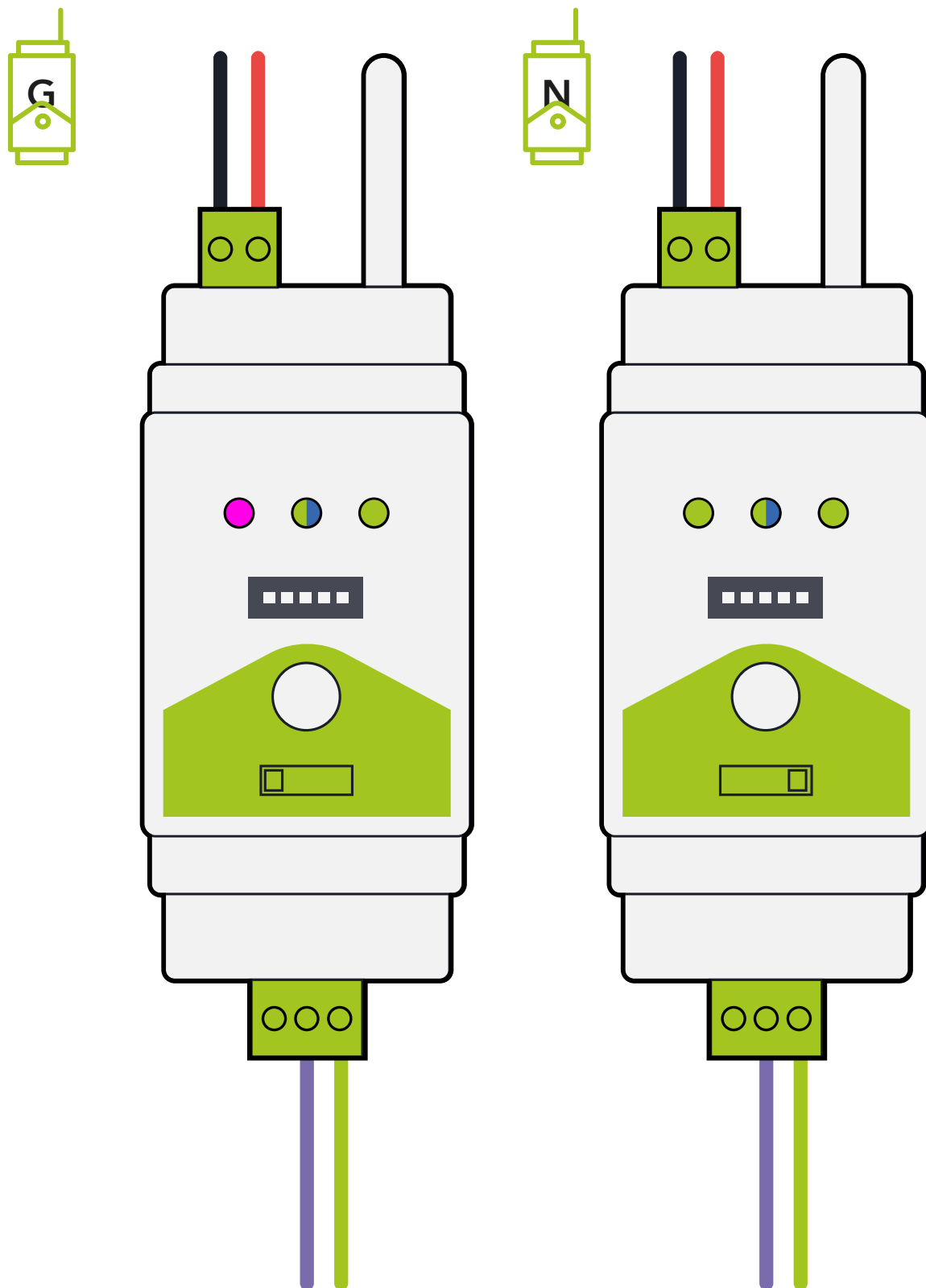
Install one LumenRadio unit at the inverter and one at the smart meter. Keep the antennas in clear line of sight where possible.



Install the unit labeled Gateway by the inverter. Ensure as clear line of sight as possible to the other antenna (your Node). Power on your Gateway.

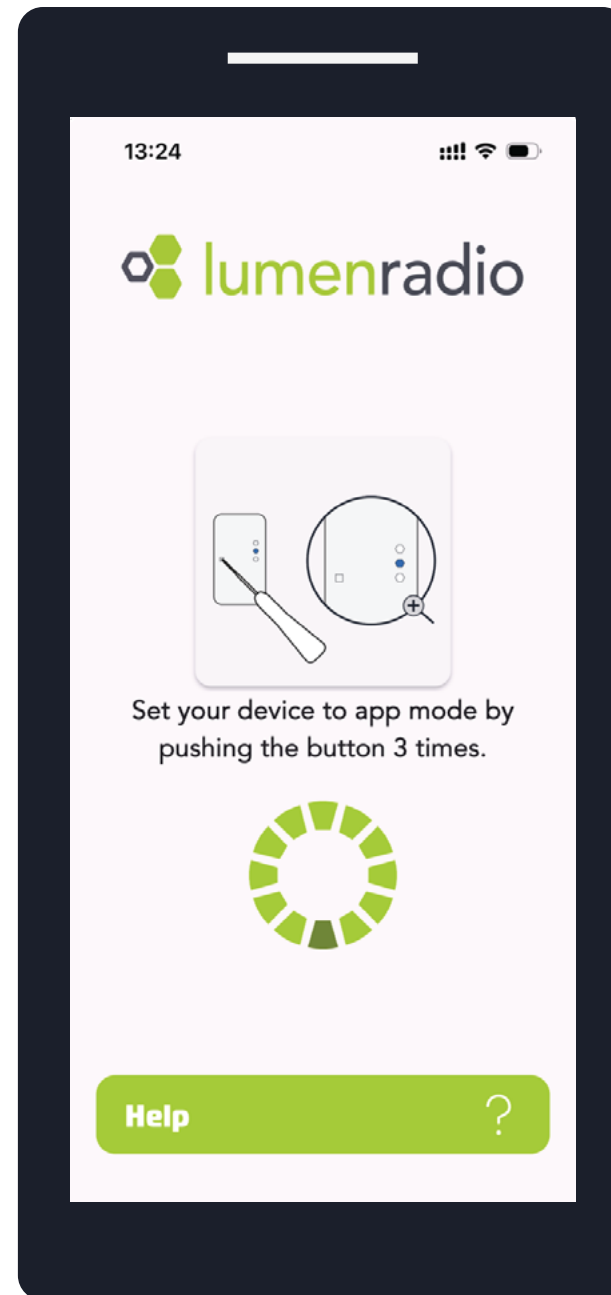
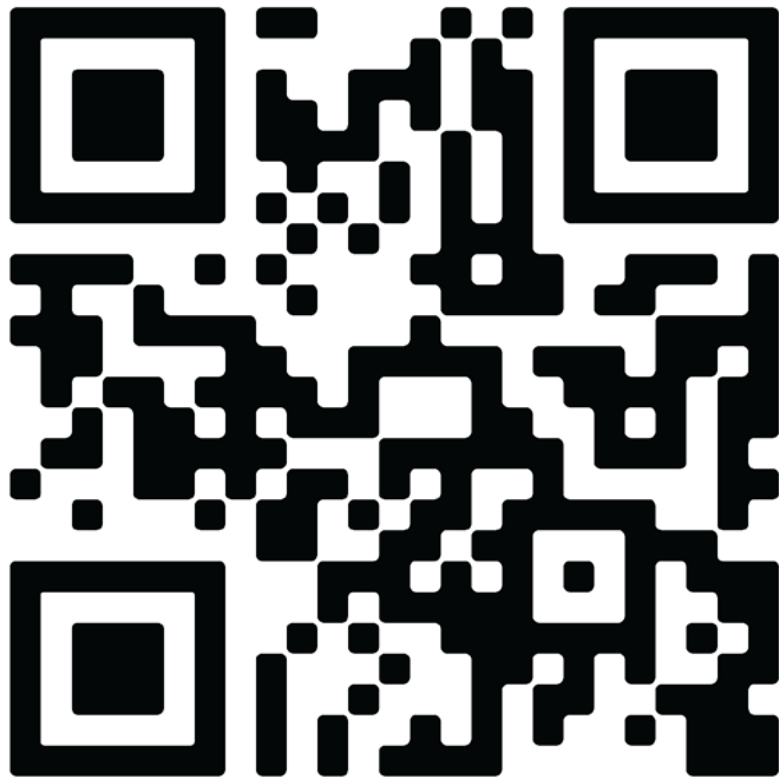


Install the unit labeled Node by the smart meter. Ensure the switch is set to **NODE**. Power on your Node.

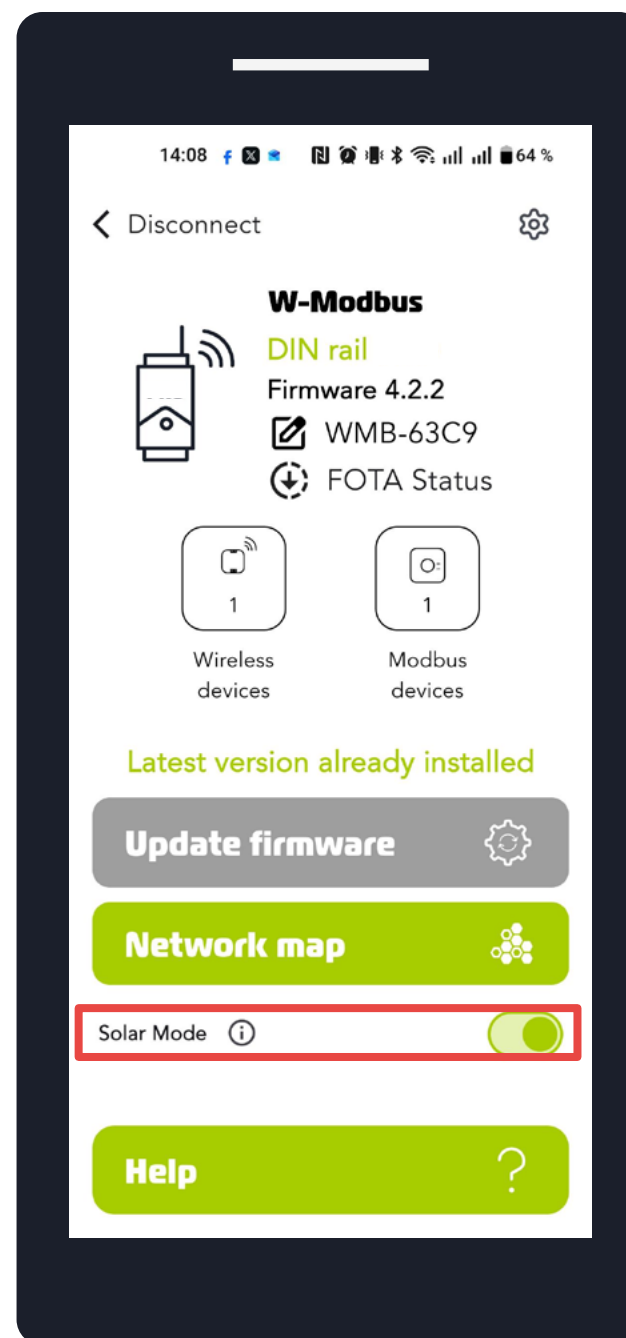
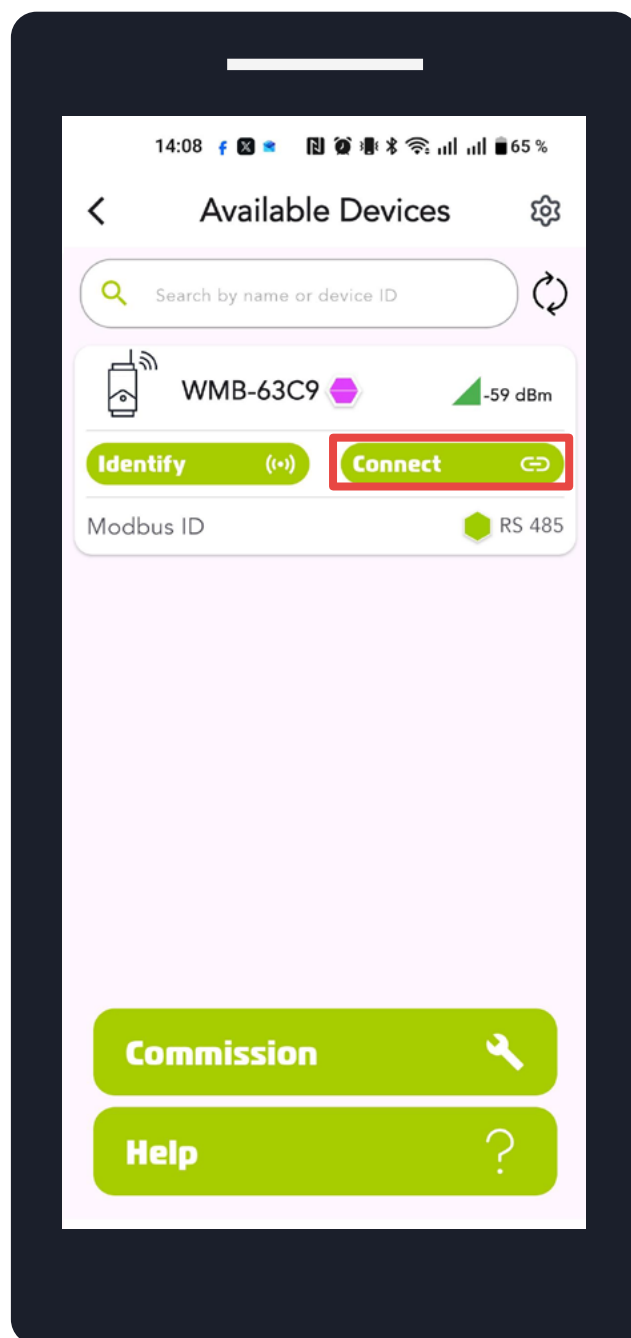


Gateway: Solid magenta LED on the left. Rapid flashing (blue/green) LED in center. Flashing green LED on the right.
Node: Solid green LED on the left. Rapid flashing (blue/green) LED in center. Flashing green LED on the right.

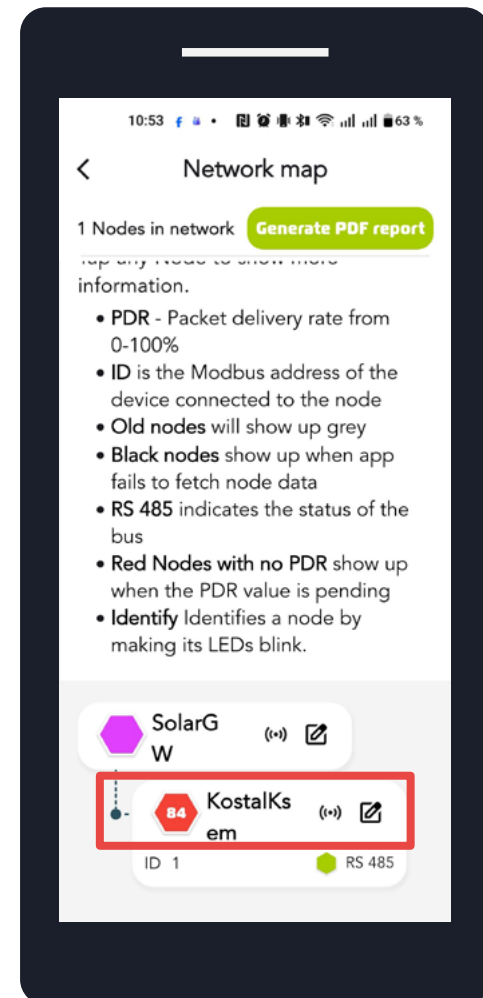
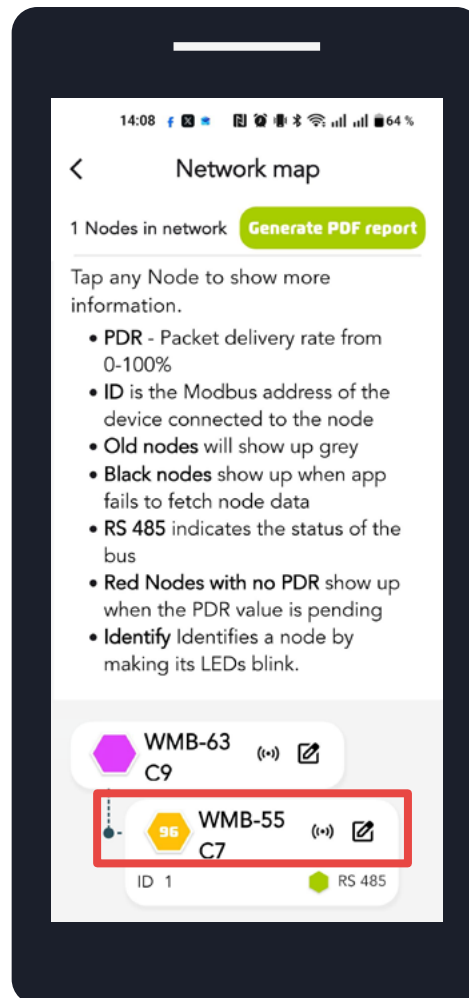
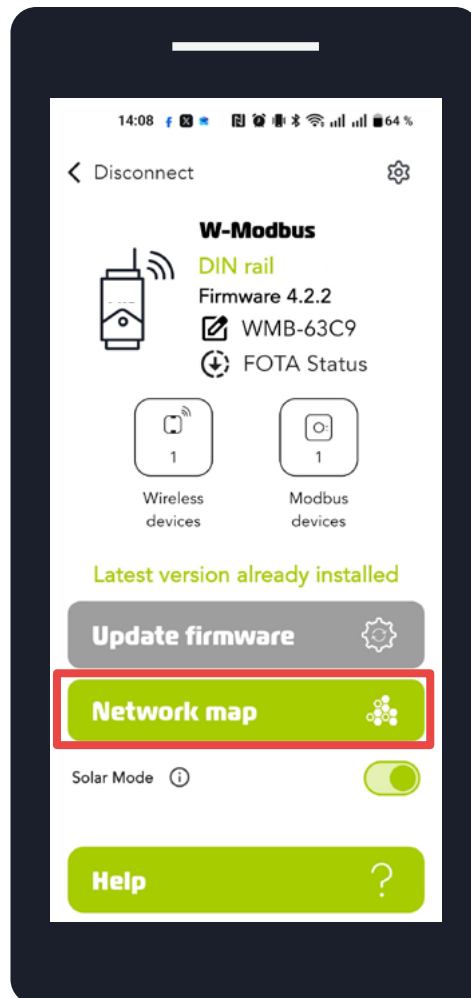
Verify the installation by:



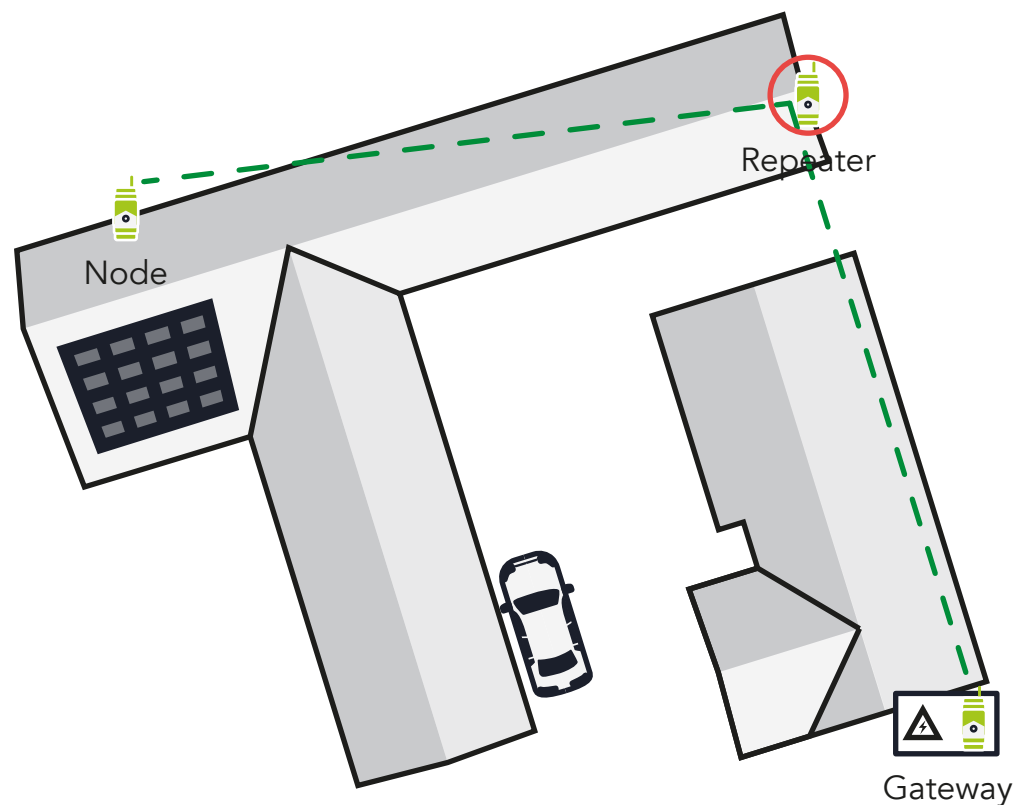
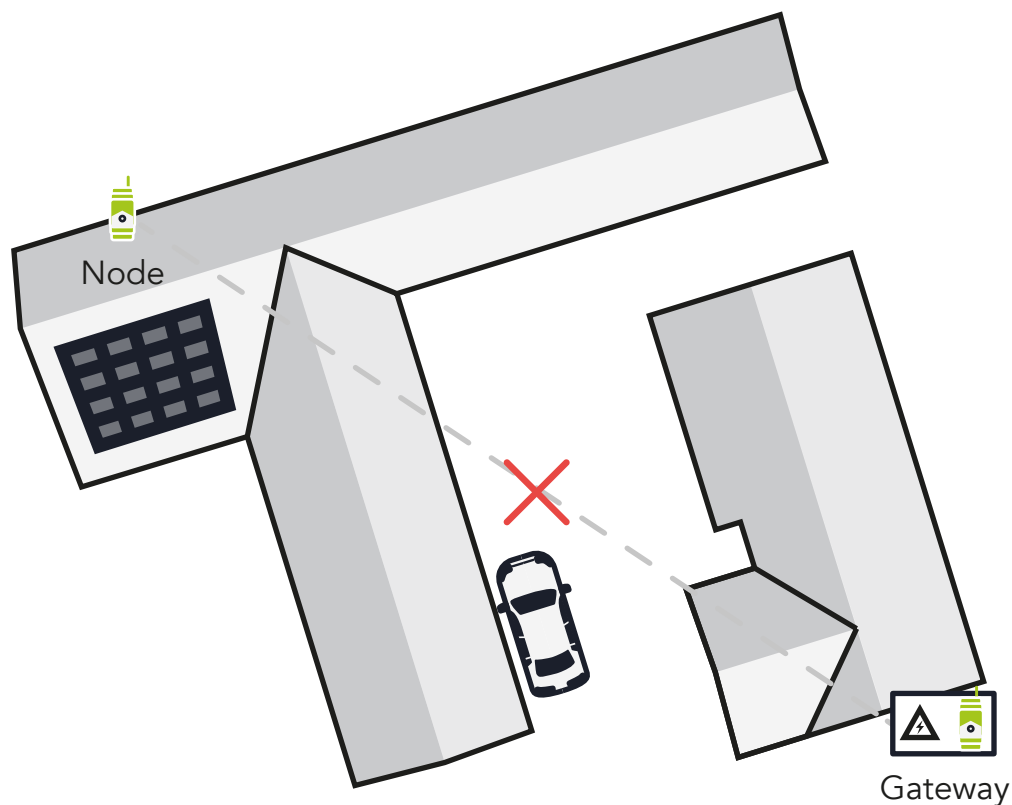
Download and open the W-Modbus app.
Press the button on your Gateway three times to connect to
the app. Center LED will blink blue.



Tap **Connect** to connect to the device.
Confirm that **Solar Mode** is enabled.



In the app, you can verify the installation, rename devices and update the firmware.
For a detailed overview, tap Network Map.
The PDR hexagon should be green or yellow. If the hexagon is red, you need to add a repeater.

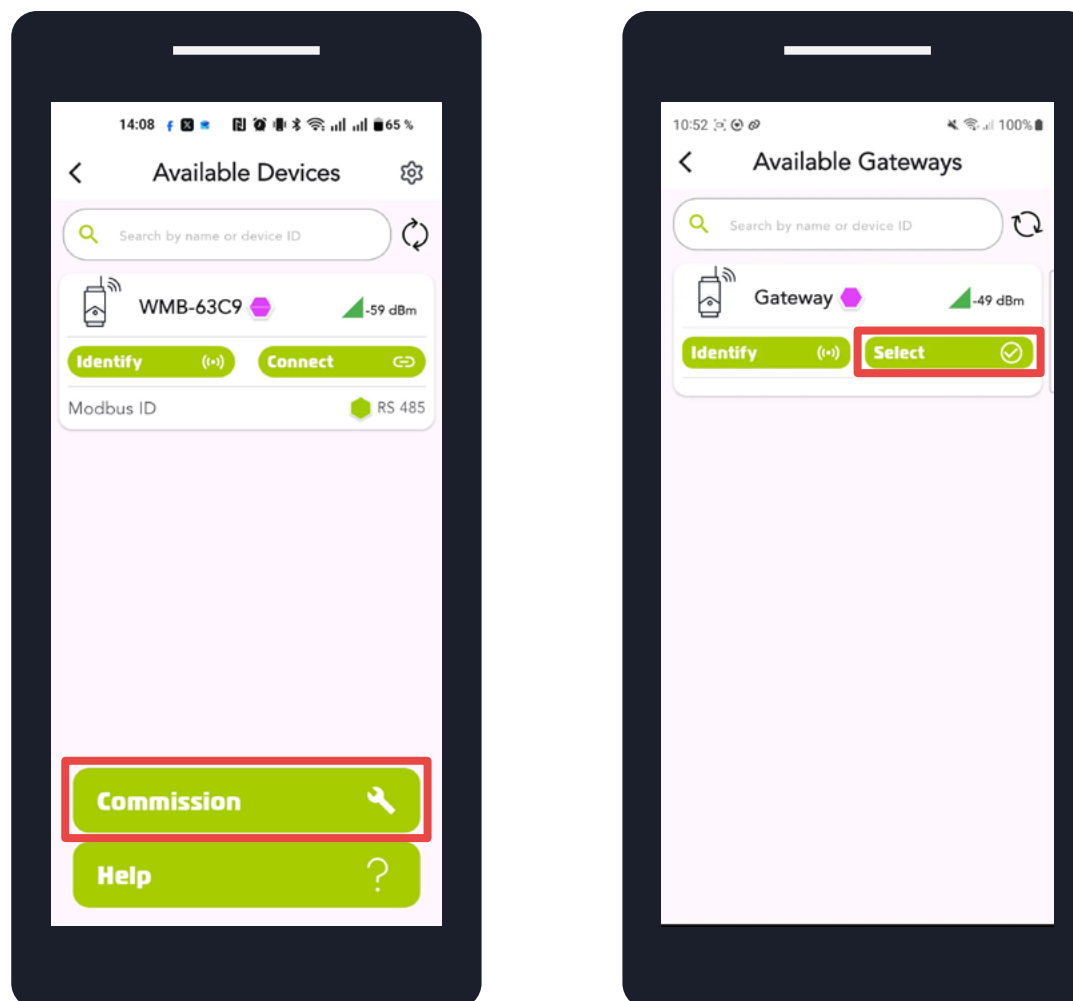


Skip this step if the PDR hexagon is green or yellow.
No connection within 5 minutes? Add a repeater or check the antenna installation.

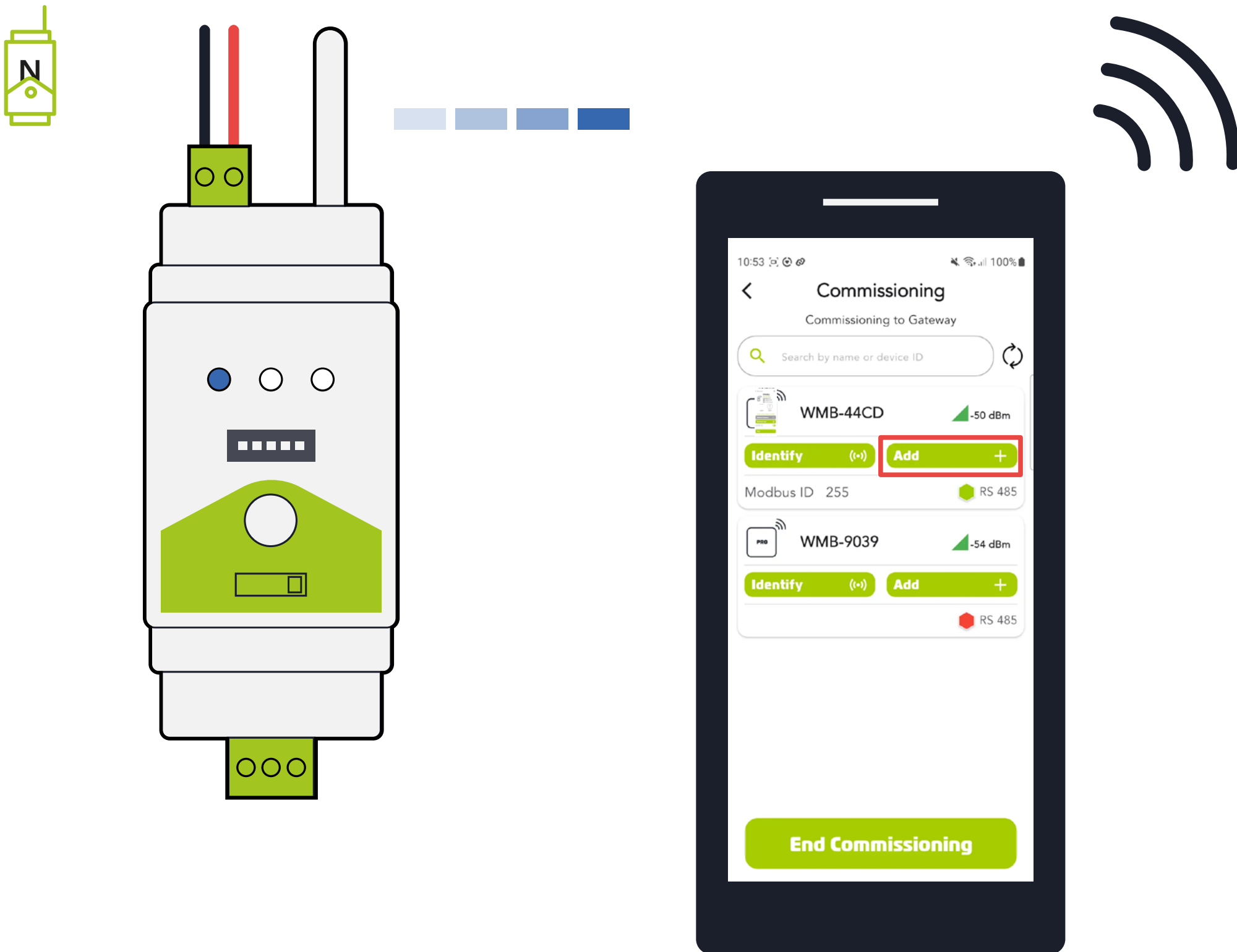


Add a repeater to the Gateway.

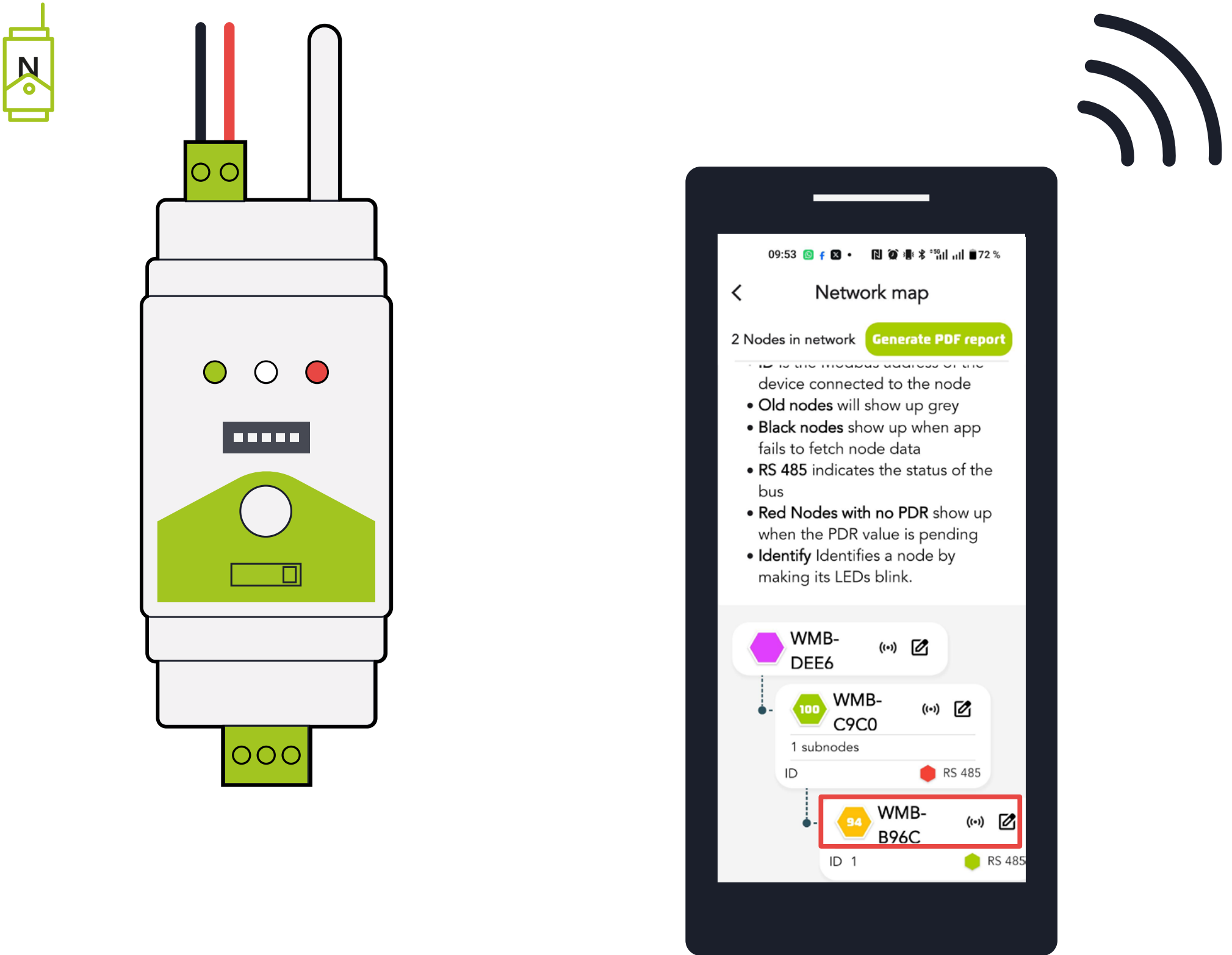
(Repeater sold separately)



On the device, press the Gateway button three times.
In the app, tap Commission, then select your Gateway.



Ensure the repeater is set to **NODE**, then power it on.
The LEDs sweep blue.
In the app, tap **Add** to add the repeater to the Gateway.



The repeater Node connects to your Gateway.
Confirm that the repeater has connected to your Gateway in Network Map. As this unit is operating as a repeater, the right LED is red. The Node at the smart meter should now show improved PDR, either yellow or green.



Learn more at www.lumenradio.com