

ENOR E

Gateway With Ethernet & Real Time Clock (RTC)



INSTALLATION AND QUICK START SHEET

WARNING AND GUIDELINES!!!

Read and follow all safety instructions!!

DO NOT INSTALL DAMAGED PRODUCT! This product has been properly packed so that no parts should have been damaged during transit. Inspect to confirm. Any part damaged or broken during or after assembly should be replaced.

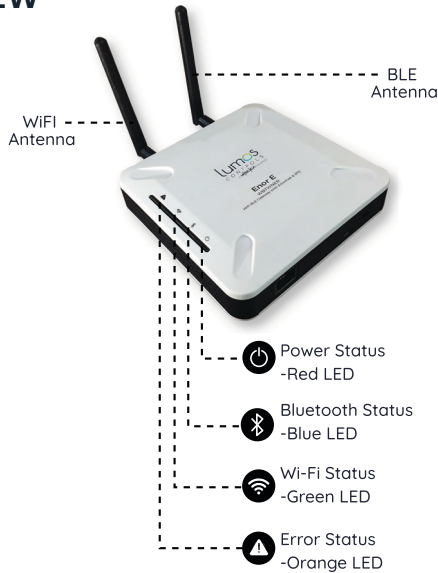
WARNING: Risk of Product Damage

- Electrostatic Discharge (ESD): ESD can damage product(s). Personal grounding equipment should be worn during all installation or servicing of the unit
- Do not stretch or use cable sets that are too short or are of insufficient length
- Do not modify the product
- Do not mount near gas or electric heater
- Do not change or alter internal wiring or installation circuitry
- Do not use product for anything other than its intended use

PRODUCT OVERVIEW

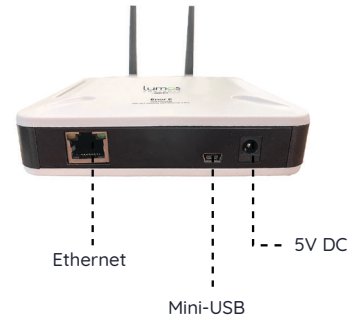
ENOR E is an enterprise gateway providing cloud connectivity to your smart lighting network. The device comes with an Ethernet port that supports zero-downtime Over-the-Air (OTA) firmware updates for mesh devices. RTC delivers highly accurate data on time and date for various end applications.

It is a part of Lumos Controls ecosystem, which includes controllers, sensors, switches, modules, drivers, gateways, and analytical dashboards.

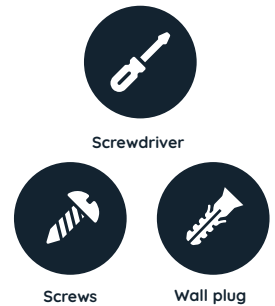


Do's	Don'ts
Installation should be performed by a qualified electrician	Don't use outdoors
Installation shall be in accordance with all applicable local and NEC codes	Avoid input voltage exceeding maximum rating
Place devices as far away as possible from metallic materials	Don't disassemble the products
Devices work best in when there is a clear LOS between them	
When placing devices inside metallic boxes, please ensure the antenna comes out of the boxes	

Specifications	Value	Remarks
Input voltage	5V	Micro-USB/DC Adaptor
Input current	2A	Micro-USB/DC Adaptor
Input voltage for RTC	3VDC	CR2032 coin-cell battery
Frequency band	2400-2480MHz	IEEE 802 Part 11b/g/n
Max BLE Output power	8dBm	-
Data transmission rate	10/100Mbps	-
Operating temperature	-20 to 55°C (-4 to 131°F)	-
Storage temperature	-20 to 85°C (-4 to 185°F)	-
Relative humidity	85%	-
Dimensions	4.7 x 4.7 x 1.2in (120 x 120 x 29.5mm)	L x W x H



Required tools & supplies



INSTALLATION INSTRUCTIONS

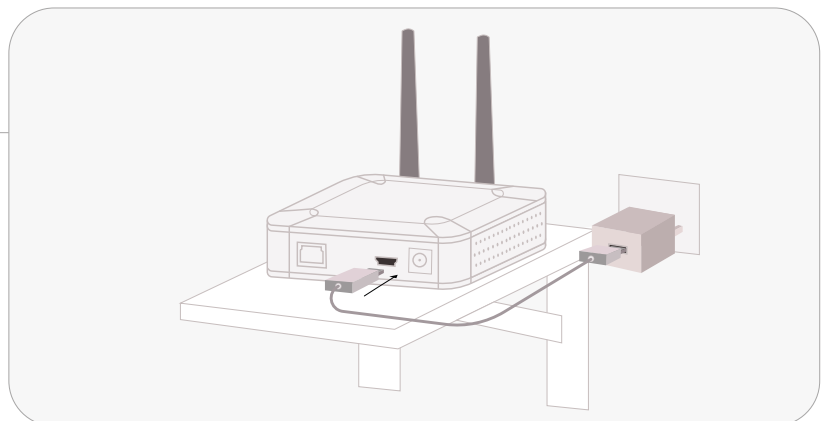
Installation Steps

Option 1

- Step 1:** Ensure the gateway is in range with Lumos Controls devices. You can place it on a table or mount it on the wall using screws.

Note:
Ensure that the antenna is positioned parallel to the wall
Make sure you have a stable INTERNET connection

- Step 2:** Connect to power.



Option 2

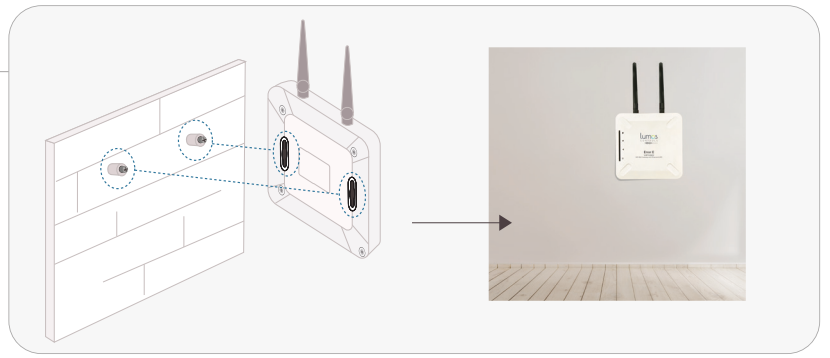
- Step 1: Attach the screws onto the wall.

Head: CSK Slotted



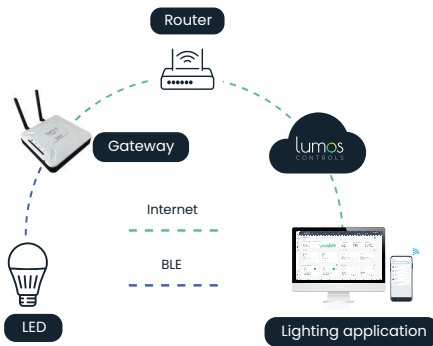
Length	Head Diameter	Screw Diameter
38mm	8.3mm	3.7mm

- Step 2: Mount your device to the wall.

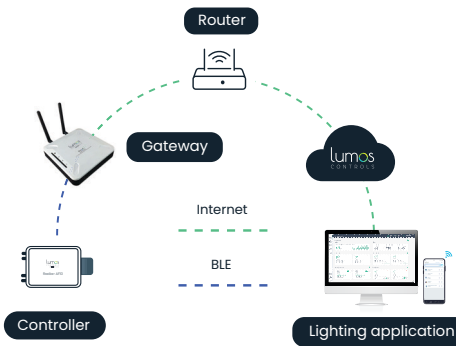


USE CASES

1 Remote device operation



2 Device connectivity for Schedules and Mesh OTA update



3 Reports Generation



LED INDICATIONS

State	RED LED - Power Status	BLUE LED - Bluetooth Status	GREEN LED -Internet Status
Device powered ON (for 30sec)	ON	Blinks at 100ms (10 times in 1sec)	Blinks at 500ms (2 times in 1sec)
Pairing mode (3mins)	ON	ON/OFF every 1min	Blinks at 500ms (2 times in 1sec)
Exit pairing mode and wait for successful login	ON	ON/OFF every 1min	Blinks at 500ms (2 times in 1sec)
Successful login to server (normal)	ON	Blinks at 1 sec	Blinks at 1 sec
Server connection fail	ON	ON/OFF every 1min	Blinks at 500ms (2 times in 1sec)
During device OTA	ON	Blinks at 100ms (10 times in 1sec)	Blinks at 500ms (2 times in 1sec)

COMMISSIONING

Once powered up, the device will be ready to be commissioned via the Lumos Controls mobile app, available for free download on [iOS](#) and [Android](#). To begin commissioning, click the '+' icon from the top of the 'Devices' tab. Select the required mode 'Ethernet' or 'Wifi'. If Wifi mode selected, Enter the security code and configuration details like SSID, password, security type etc. and the device will be successfully commissioned.

Once commissioned, the device will be displayed in the 'Devices' tab and you can perform remote operations once the device gets synced with cloud.



Please visit [Help center](#) for more details

RF GUIDELINES

If pairing of devices are getting failed continuously then it may be due to BLE traffic. To reduce the traffic, power OFF other devices in the vicinity and pair again.

TROUBLESHOOTING

If the Gateway is not connecting with the cloud	Please ensure ports 443 and 8883 are open
If Remote operation is not working	First check if the Gateway is ON. Then check if the Gateway is active and is having time sync with cloud
If the Gateway is showing time sync issue	Need to repower the Gateway .First the Red Light will turn ON. Then gradually the Blue and Green Lights will blink together and in sometime it sync with the cloud. We can check the sync using the Web UI or Mobile app.

LUMOS CONTROLS APPLICATION

Download the 'Lumos Controls' application from Play Store or App Store
OR

Scan the QR codes to download the 'Lumos Controls' application



WARRANTY

5-year limited warranty

Please find warranty [terms and conditions](#)

Note: Specifications may change without notice .Actual performance can vary due to end-user environment and application

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