



ecoer ELG01 LoRa IoT Gateway User Guide

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ecoer ELG01 LoRa IoT Gateway

Product Information

The LoRa IoT Gateway is a device that allows for the connection and management of IoT devices. It is designed and manufactured by Ecoer, a company located at 43671 Trade Center Place, Suite 100 Dulles, VA 20166. For any inquiries or support, you can contact Ecoer at Tel: 703-348-2538 or visit their website at www.ecoer.com. The product is FCC-certified, ensuring compliance with regulations and standards.

The package includes the following items:

- Gateway
- Ethernet cable
- SMA Antenna
- Power adapter (varies by region)



Product Usage Instructions

1. **Prepare your gateway:** Attach the SMA Antenna to the gateway. This is important to prevent damage to the gateway.
2. **Connect your gateway:** Plug in the gateway and connect it to your router's LAN Port using the provided ethernet cable.
3. **Power on the gateway:** Turn on the gateway. The PWR LED should light up. If it doesn't, check the connection of the power adapter.
4. **Get the Ecoer Pro app:** Search for "ECOER" on the App Store or Google Play and download or update the Ecoer Smart Service Pro App for free.
5. **Connect a device:** Follow the steps for warranty registration, which include creating an Ecoer account, signing an agreement with the homeowner, and scanning or inputting serial numbers to submit. For detailed instructions, log in to www.ecoer.com or use the ESS Pro App > Systems > Add Unit to access the newest guide.
6. **Troubleshoot:** Check the status of the LED indicators on the gateway. The PWR LED should be always on, the LAN LED should be blinking, and the LoRa LED should be always on or blinking depending on the connection status. Refer to the indications and descriptions provided for troubleshooting.

INSTALLATION

Prepare your gateway.

- Fix the antenna onto the gateway, otherwise, the gateway will be broken.

Connect your gateway.

- Plug in your gateway.
- Connect gateway to router's LAN Port using ethernet cable.

Power on the gateway.

- Turn on gateway. PWR LED should light up. If not, check power adapter connection.
- If the Power LED does not light, check the adapter connection.

Get the Ecoer Pro app.

Search ECOER on the App Store or Google Play now.

Connect a device.

Steps of warranty registration

1. Create an ecoer account.
2. Add Unit (Register a new AC/HP). Sign an agreement with the homeowner.
 - Scan/Input serial numbers to submit.
 - Log in to www.ecoer.com or ESS Pro App >Systems >Add Unit to get the newest guide.

Troubleshoot

LED	Indications	Description
PWR	ON OFF	Running Power OFF
LAN	OFF/Always ON Blinking	Network is not ready Running
LoRa	Always-ON Blinking	No IoT Device Connected Normal Connected

FCC Caution

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.


Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance 20cm between the radiator & your body.

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Documents / Resources

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