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**EREPEATE R-MOD ZigBee Network Repeater**

# ENGO CONTROLS EREPEATER-MOD ZigBee Network Repeater User Guide

## Contents

**ENGO CONTROLS EREPEATER-MOD ZigBee Network Repeater**

## Product Information

### Specifications:

- Product Name: REPEATER
- Type: ZigBee network repeater
- Model: EREPEATER-MOD
- Software Version: v1.0.0
- Release Date: IV 2024
- Power Supply: 230V AC 50Hz
- Communication Protocol: ZigBee 3.0 2.4GHz
- Dimensions: 40 x 40 x 20 mm

## Product Usage Instructions

### Installation of the Repeater in the App:

1. Ensure your router is within range of your smartphone and you are connected to the internet for faster pairing.
2. **Step 1 – Download ENGO Smart App:** Download the app from Google Play or Apple App Store and install it on your smartphone.
3. **Step 2 – Register the New Account:** Follow the steps in the app to create a new account.
4. **Step 3 – Installation of the ZigBee 3.0 Repeater in the App:**
   1. Ensure the ZigBee gateway is added to the app.
   2. Connect the repeater to power supply; the blue LED should flash.
   3. If not flashing, perform a factory reset.
   4. Access the gateway interface in the app.
   5. In the Zigbee devices list, add devices and wait for the application to find the repeater.

6. The repeater is installed when the blue LED is steady and the app shows the main interface.

**EREPEATER-MOD (Entering Pairing Mode):**
To enter pairing mode:

1. Unplug and plug the repeater three times at intervals of 3 seconds.
2. The LED will flash, indicating removal from the ZigBee network and gateway.
3. The repeater will enter pairing mode automatically for reconnection to the network.

**FAQs**

- **Q: What should I do if the blue LED on the repeater is not flashing?**

  A: If the blue LED is not flashing, perform a factory reset by following the instructions provided in the manual.
- **Q: Can the repeater operate standalone?**

  A: No, the repeater requires the EGATEZB ZigBee 3.0 gateway (sold separately) to function properly.

## INTRODUCTION

Repeater increases wireless network signal range for all Engo devices which works over ZigBee 3.0 protocol. It helps to improve radio signal range in places, where wireless network is disturbed by distance or other obstacles (concrete walls, reinforced ceilings, etc.). This device cannot operate standalone. In order to use it EGATEZB ZigBee 3.0 gateway is needed.

**WARNING:** This product must be used with EGATEZB ZigBee 3.0 gateway (purchased separately).

**Product Compliance:**
This product complies with the following EU Directives: 2014/30/EU, 2014/35/EU, 2014/53/EU, 2011/65/EU.

## SAFETY INFORMATION

Use in accordance with national and EU regulations. Use the device only as intended, keeping it in a dry condition. The product is for indoor use only. Please read the entire manual, before installation or use.
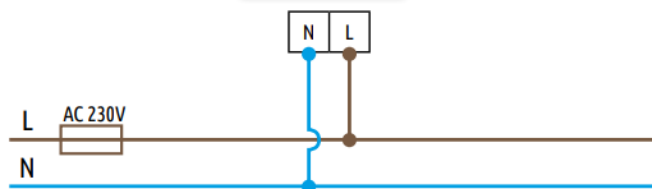
**WARNING:** For the entire installation, there may be additional protection requirements, which the installer is responsible for.

**Wiring diagram**

## REPEATER CONTACT DESCRIPTION

| L | N | Power supply 230V AC |

## Technical specification

| Power supply | 230V AC 50Hz |
| --- | --- |
| Communication | ZigBee 3.0 2,4GHz |
| Dimensions [mm] | 40 x 40 x 20 |

## LED diode indications

| | EXPLANATION |
| --- | --- |
| **LED diode flashes blue** | The device is in pairing mode with ZigBee network (when device didn't previously added to the ZigBee 3.0 network, or after recovery factory reset) |
| **LED diode lights up blue** | The device has been added to the ZigBee 3.0 network |
| **LED diode is off** | Repeater is not connected to power supply 230V |

## Installation of the repeater in the app

Make sure your router is within range of your smartphone. Make sure you are connected to the Internet. This will reduce the pairing time of the device.

**STEP 1 – DOWNLOAD ENGO SMART APP**
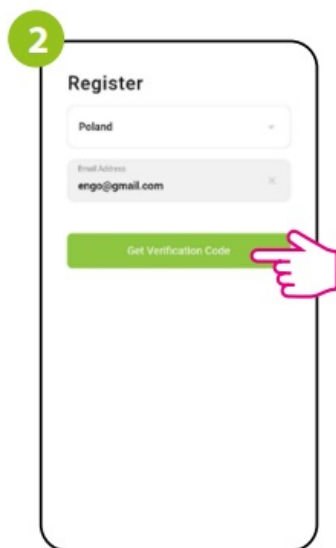Download the ENGO Smart app from Google Play or Apple App Store and install it on your smartphone.

Google Play | ENGO SMART | App Store
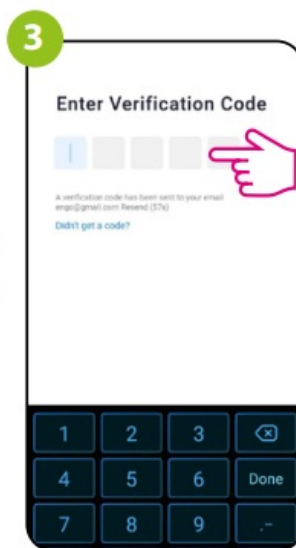
## STEP 2 – REGISTER THE NEW ACCOUNT
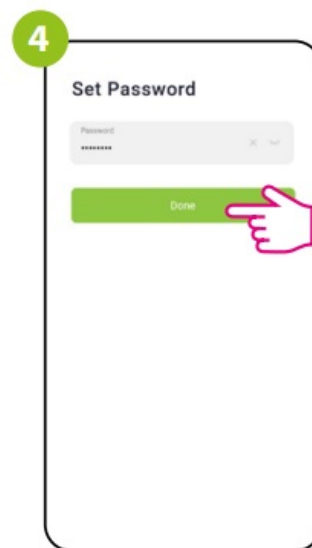To register a new account, please follow the steps below:



**1** — To register a new account, please follow the steps below:

**2** — Then set the login password.

**3** — Enter the verification code received in the email. Remember that you only have 60 seconds to enter the code!

**4** — Enter your e-mail address to which the verification code will be sent.

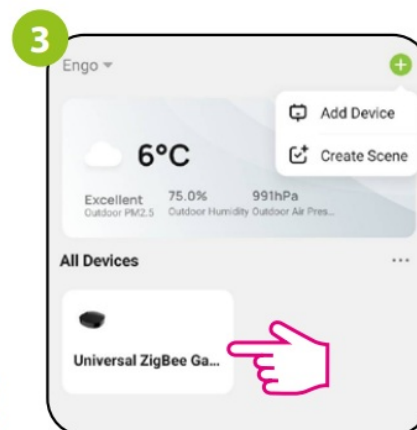## STEP 3 – INSTALLATION OF THE ZigBee 3.0 REPEATER IN THE APP
After installing the app and creating an account:



**1** — Make sure you have added ZigBee gateway to app.

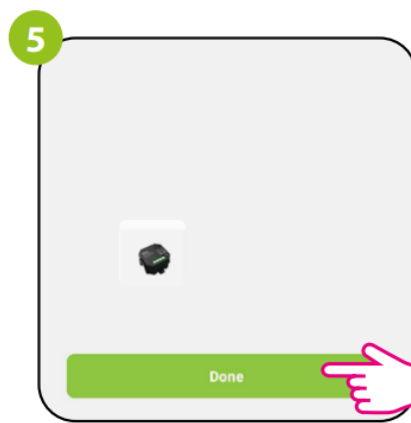**2** — Make sure the repeater is connected to power supply. The blue LED should flash. If not, perform factory reset (check „Factory reset" section).

**3** — Enter the gateway interface.

**In „Zigbee devices list" go „Add devices".**

**Wait until the application finds the device and click "Done".**

**The repeater is installed. Blue LED diode is steady and app shows main interface.**

**EREPEATER-MOD (entering the pairing mode)**

Unplug and plug again the repeater three times at intervals of 3 seconds. The LED on the device will flash, which means repeater has been removed from the ZigBee network and gateway. After that repeater will enter pairing mode automatically. You can add it back to the ZigBee network (check „STEP 3" section).

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[www.engocontrols.com](http://www.engocontrols.com)

## Documents / Resources

| | |
|---|---|
| | **ENGO CONTROLS EREPEATER-MOD ZigBee Network Repeater** [pdf] User Guide<br>EREPEATER-MOD, EREPEATER-MOD ZigBee Network Repeater, ZigBee Network Repeater,<br>Network Repeater, Repeater |

# References

- ☰ [**ENGO Controls - Sterowanie ogrzewaniem**](#)
- [**User Manual**](#)