




easee Equalizer Small and Light Sensor Device User Guide

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easee Equalizer Small and Light Sensor Device



Introduction

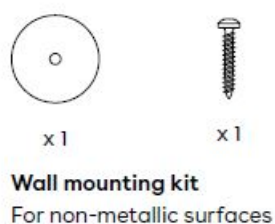
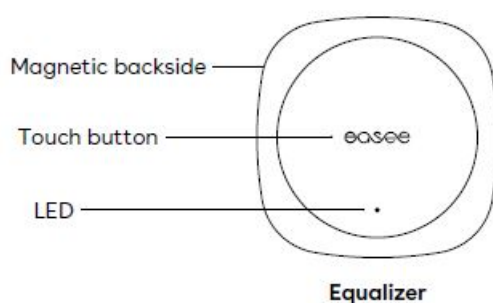
The information in this leaflet applies to Easee Equalizer P1 (E02-EQP) and Easee Equalizer HAN (E02-EQ), unless specified otherwise.

Read the Important product information guide in the product packaging or at easee.com/manuals before using the product.

Optimal performance

The Equalizer makes it possible to charge smarter, safer and faster if the installation is scaled accordingly. To enable its true potential, the rated value of the chargers circuit fuse should be as high as possible compared to the main fuse.

Product overview



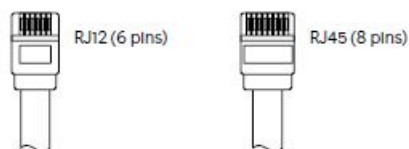
Technical specifications

General

- **Dimensions Product** 110 x 110 x 27.5 mm (H x W x D)
- **Dimensions Product Packaging** 130 x 130 x 39 mm (H x W x D)
- **Permitted temperature** -20 °C to +50 °C
- **Weight** 95 g (Equalizer P1) 110 g (Equalizer HAN)
- **IP degree** IP40
- **Supply** 5-30 V DC 100 mA (Equalizer P1) 20-32 V DC 30 mA (Equalizer HAN)

Cabling

- **Cable length** 1.5 m
- **Custom made cable** RJ12 to RJ12 (Equalizer P1) RJ12 to RJ45 (Equalizer HAN)
- **It can be extended using an extension cable** up to 15 m (Equalizer P1) up to 200 m (Equalizer HAN)



Max transmitted power

- Radio 25 mW at 863–870 MHz.
- WiFi 50 mW at 2.4–2.472 GHz.

Connectivity

- Easee Link RFTM and WiFi1
- HAN (NVE/AMS) (Equalizer HAN) or P1 (Equalizer P1) smart meter communication
- Modbus connection to energy meter2
- Monitor power consumption with the Easee App
- RFID / NFC reader

WiFi is required for normal operation and for future software updates. Installations with multiple master chargers need to be connected to the same WiFi for load balancing to work.

Easee Link RF (TM) via radio may be limited by walls, concrete or other obstacles.

Only for supported meters.

Installation

Customer setup

Follow these steps if you are a private customer installing the Equalizer in your own household.

1. HAN port

Activation

In Scandinavia, the communication port on the smart meter is most likely not activated. Contact your utility company to open the HAN port for use with the Equalizer.

If you are not in Scandinavia, skip to step 2.

2. Easee App

Download

Scan the QR code to download the Easee App and create a free account.

3. Equalizer

Setup

Add the Equalizer in the app, follow the on-screen installation guide and get ready to balance your energy smarter than ever before!



Installer setup

1. Installer App

Download

Scan the QR code to download the Installer App and create a free account.

2. Equalizer

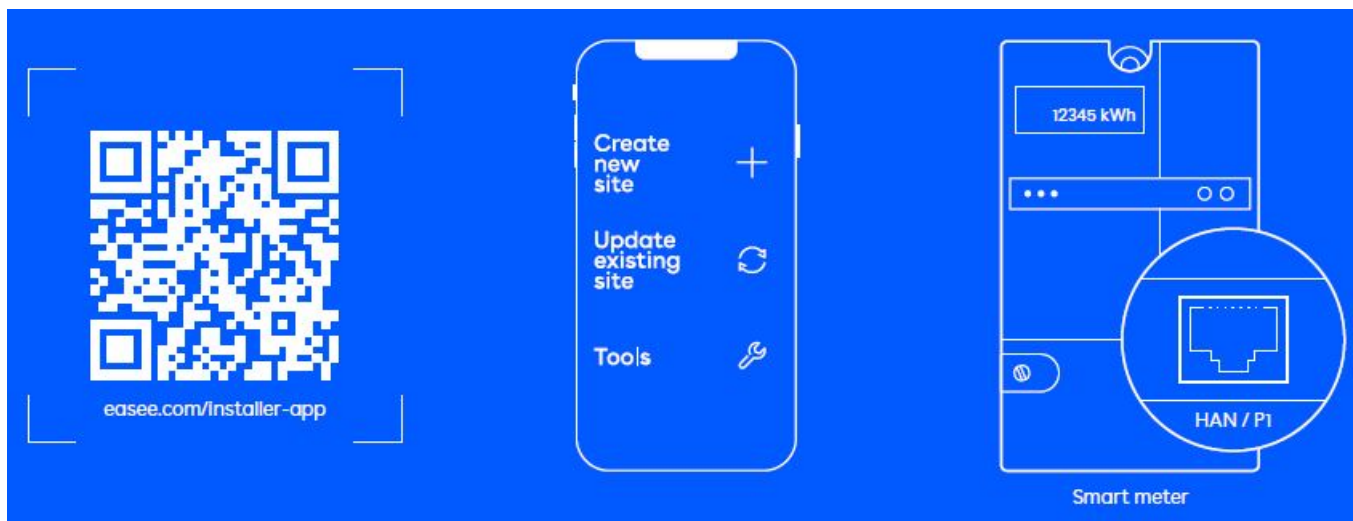
Setup

Add the Equalizer to a new or existing charging site using the Installer App and follow the on-screen installation guide to set it up.

3. Smart meter

Connect

Connect the Equalizer to the smart meter using the provided cable. The Equalizer will appear in the Easee Portal after a while.



LED colours meaning



White, fast flashing – Booting



White, breathing every 10s – Normal operation



Red/white, switching – No WiFi added³



Red, flashing – No data from power meter⁴



Red, breathing every 10s – Error⁵



Purple, breathing every 10s – Offline operation⁶

Touch the Easee logo in the middle to check power consumption:

Blue, fast flashing – High power consumption

Blue, slow flashing – Low power consumption



Count the flashes for percentage – 1 flash (10%), 2 flashes (20%), up to 10 flashes (100%)



3

Hold the Easee logo for 3 seconds to check connectivity. You will see 2 flashes:

1st flash – Easee Link RF status⁷ 2nd flash – WiFi status

Green – Connected

Red – Not connected



- Use the Easee App to set up the WiFi.

- Contact your utility company to activate the HAN port. 5 Go to <http://easee.support>.
- Check your internet connection.
- After booting, it can take a few minutes before Easee Link RFTM status flashes green.

Practical details

Warranty

The device is free from material defects and is in accordance with laws and regulations for consumer protection in the country where the product is purchased. All correctly installed Easee hardware is covered by our 3 years* limited warranty.

*Some countries may have extended warranty.

Returns and complaints

Contact your distributor or Easee Customer Support at easee.support regarding the return and complaint of your product.

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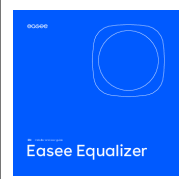
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Documents / Resources

	<p>easee Equalizer Small and Light Sensor Device [pdf] User Guide Equalizer, Small and Light Sensor Device, Equalizer Small and Light Sensor Device, Light Sensor Device, Sensor Device</p>
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References

- [Easee â€œ Shaping the future of electricity](#)
- [Easee app - Easee International](#)
- [Installer app - Easee International](#)
- [Manuals - Easee International](#)
- [Easee â€œ Shaping the future of electricity](#)