



Installation & User Manual

NexBlue Zen (Smart meter)

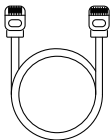
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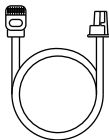
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Initial look at NexBlue Zen

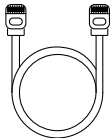
NexBlue Zen (Smart meter)



P1 cable x1
(RJ45 to RJ12)



KM cable x1



HAN cable x1
(RJ45 to RJ45)



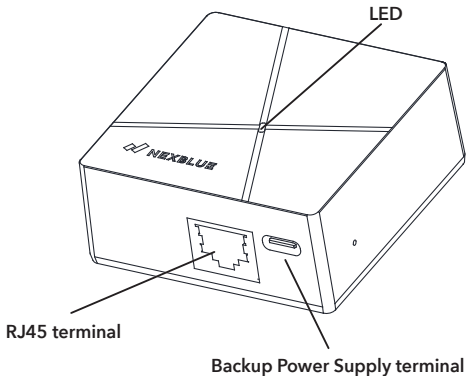
For non-metal surface
installation kit



x1

Features of NexBlue Zen

NexBlue Zen (Smart meter) is a dedicated device that reads the energy data from the smart meters and optimizes the consumption of power usage, supporting dynamic load balancing and solar charging. It is compatible with HAN, P1 and Kamstrup OMNIPOWER® smart meters. It communicates with NexBlue chargers via Wi-Fi and Nexus RF.



Safety Instructions

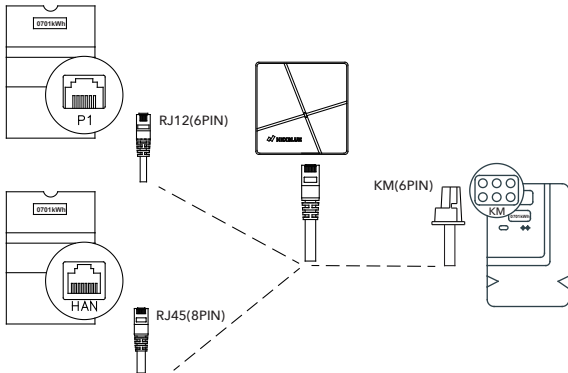
Notice! Please read the safety instructions carefully before installing and operating the product.

1. Adhere to all relevant regulations throughout the installation procedure.
2. Please strictly follow this manual. Incorrect installation or utilization may result in injury.
3. Before usage, thoroughly examine the product for any visible signs of damage. Ensure all connections are securely fastened prior to operation. DO NOT attempt to repair or utilize the product if it is damaged.
4. This product is designated for indoor use only.
5. Avoid installing the product in areas exposed to water.
6. Avoid the product from direct sunlight exposure.
7. DO NOT attempt to disassemble the product.
8. This is a power monitoring device, use ONLY for connection with smart meter. DO NOT attempt to connect with other devices.
9. DO NOT allow individuals (including children) with reduced physical, sensory, or mental capabilities, or those lacking experience and knowledge, to use electrical devices unsupervised.

Installation guide

Step 1 Connect Zen and smart meter

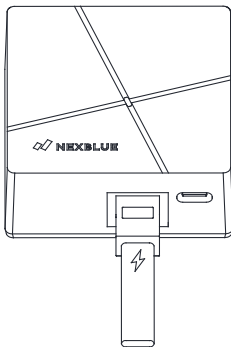
Find the communication interface of the smart meter, and connect the smart meter to Zen using a communication wire (Before connecting the smart meter, **please ensure its communication port is activated**).



Please note the interface type and use the appropriate wire for connection.

Step 2: Power-up

NexBlue Zen takes approximately 90 seconds to power up. When the LED indicator starts flashing purple, it is ready for configuration with NexBlue Partner APP.



If the light does not turn on after 120 seconds, it indicates insufficient power supply from the electric meter, requiring auxiliary power supply.

Step 3: Configure and manage your NexBlue Zen (Smart meter) with NexBlue Partner APP and NexBlue Partner Portal

- Download the NexBlue Partner app and follow the instructions to add the product to an existing location or a new location.

Apps

The NexBlue Partner app is available on the App Store and Google Play.



APP Store



Google Play

- Use NexBlue Partner Portal to manage chargers, diagnose issues, optimize configurations, monitor charging consumption, and collaborate with partners on location management.

Portal

Please visit: <https://partner.nexblue.com/login>

Status light indicator

Light	Status
 Blue Light, Constant	Normal Operation
 Red Light, Constant	Error
 Purple Light, Constant	No Internet
 Purple Light, Flashing	Waiting for Configuration
 Purple Light, Fast Flashing	Initialization

Warranty

Warranty

We provide a 3-year limited warranty applicable to correctly installed NexBlue Zen units. For more information, please see our website's warranty section.

Declaration of conformity

Hereby, NexBlue AB declares that the NexBlue Zen SMBNA has been developed, produced, tested and supplied as been accordance with the applicable legal regulations of the specified sales regions. It complies with the EU Radio Equipment Directive 2014/53/EU and the UK Radio Equipment Regulations 2017. The full text of the EU Declaration of Conformity and UK Declaration of conformity is available at the following internet address:
<https://nexblue.com/pages/document-and-manuals>

Join our Facebook Community to get a faster after sales and inquiry response.



Technical Specifications

General

Product (mm):

H:60 x W: 60 x D: 26

Operating temperature:

-20°C to +50°C

Weight: 57 g

IP degree: IP30

Rated power: 0.1-1.7 W

Power supply: 3.8-38 Vdc

Terminals: RJ45 terminal, Backup

Power Supply terminal

Mounting: Integrated magnet

Warranty: 3 years

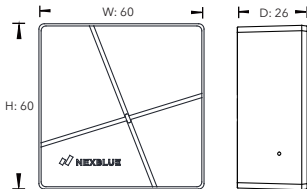
Connectivity

Local transmitting radio Nexus:

-3.27 dBm at 868Mhz

Wi-Fi: 20 dBm at 2.4-2.472 GHz

Bluetooth: 20 dBm at 2.4-2.472 GHz



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