



Aeon Labs DSB09104 Home Energy Meter Instruction Manual

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Aeon Labs DSB09104 Home Energy Meter



Introduction

The Aeon Labs Home Energy Meter is a low-cost energy meter for the entire home. It can wirelessly report immediate wattage and kWh usage of the AC mains to a Z-Wave gateway.

By taking advantage of the Z-Wave mesh network, commands can be routed to their destination via intermediary “listening” Z-Wave products. Products that are Z-Wave certified can be used and communicate with other Z-Wave certified devices.



Accessory : CURRENT TRANSFORMATOR

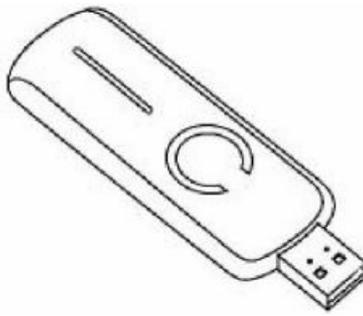
Z-Wave Network Instructions

The Aeon Labs Home Energy Meter must be paired (included) into a Z-Wave network before it can receive Z-Wave commands to report its energy usage. The home energy meter can only communicate to devices within it's own z-wave network.

Note: If the Home Energy Meter is not currently paired into a Z-Wave network, the LED on the Home Energy Meter will blink after pressing the button located near the batteries.

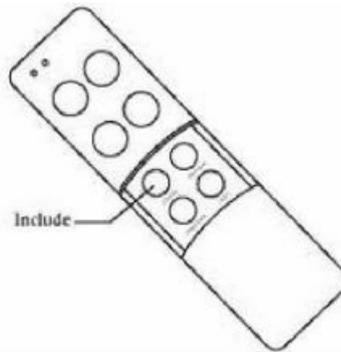
Adding/Including/Pairing the Home Energy Meter into a Z-Wave Network

1. Press the button on the Aeon Labs Z-Stick to begin the Z- Wave inclusion process.



OR

Press the button labeled “Include” on the Aeon Labs Minimote to begin the Z-Wave inclusion process.



Note: To include the Aeon Labs Home Energy Meter with other controllers, please consult the operation manual for these controllers on how to include Z-Wave products into an existing network. For instructions on select partner gateways, visit www.aeon-labs.com/support.

2. After placing 4 AA batteries into the Home Energy Meter, press the button located near the batteries .

Troubleshooting

If the Aeon Labs Home Energy Meter was not successfully included into any Z-Wave network, the LED will blink after pressing the button near the batteries. If the Aeon Labs Home Energy Meter was successfully included to a Z-Wave network, the LED will be lit solid after pressing the button.

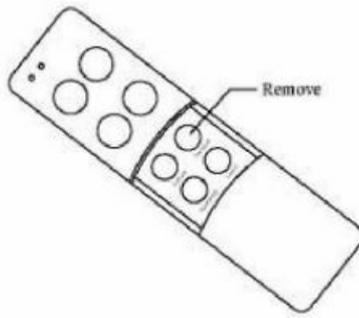
Removing/Resetting the Home Energy Meter from your Z-Wave Network

1. Hold the button on the Aeon Labs Z-Stick to begin the Z- Wave removal process.



OR

Press the button labeled “Remove” on the Aeon Labs Minimote Stick to begin the Z-Wave removal process.



Note: To include the Aeon Labs Home Energy Meter with other controllers, please consult the operation manual for these controllers on how to include Z-Wave products into an existing network. For instructions on select partner gateways, visit www.aeon-labs.com/support.

2. After placing 4 AA batteries into the Home Energy Meter, press the button located near the batteries .

Troubleshooting: If the Aeon Labs Home Energy Meter was removed from the Z-Wave network, the LED will blink after pressing the button near the batteries. If the Aeon Labs Home Energy Meter was not successfully removed from a Z-Wave network, the LED will be lit solid after pressing the button.

Monitoring Energy Consumption

The Aeon Labs Home Energy Meter can report wattage energy usage or kWh energy usage to a Z-Wave gateway or controller when requested. If this function is supported by the gateway/controller, the energy consumption will be displayed in the user interface of the gateway/controller. (The specific Z-Wave commands supporting energy monitoring are the Meter Command Class and Multilevel Sensor Command Class.) Please consult the operation manual for these gateways/controllers for specific instructions on monitoring the Home Energy Meter.

Warranty

Aeon Labs warrants to the original purchaser of Products that for the Warranty Period (as defined below), the Products will be free from material defects in materials and workmanship. The foregoing warranty is subject to the proper installation, operation and maintenance of the Products in accordance with installation instructions and the operating manual supplied to Customer. Warranty claims must be made by Customer in writing within thirty (30) days of the manifestation of a problem. Aeon Labs' sole obligation under the foregoing warranty is, at Aeon Labs' option, to repair, replace or correct any such defect that was present at the time of delivery, or to remove the Products and to refund the purchase price to Customer.

The "Warranty Period" begins on the date the Products is delivered and continues for 12 months.

Any repairs under this warranty must be conducted by an authorized Aeon Labs service representative and under Aeon Labs' RMA policy. Any repairs conducted by unauthorized persons shall void this warranty.

Excluded from the warranty are problems due to accidents, acts of God, civil or military authority, civil disturbance, war, strikes, fires, other catastrophes, misuse, misapplication, storage damage, negligence, electrical power problems, or modification to the Products or its components.

Aeon Labs does not authorize any person or party to assume or create for it any other obligation or liability in connection with the Products except as set forth herein.

Aeon Labs will pass on to Customer all manufacturers' Material warranties to the extent that they are transferable, but will not independently warrant any Material.

Customer must prepay shipping and transportation charges for returned Products, and insure the shipment or accept the risk of loss or damage during such shipment and transportation. Aeon Labs will ship the repaired or replacement products to Customer freight prepaid.

Customer shall indemnify, defend, and hold Aeon Labs and Aeon Labs' affiliates, shareholders, directors, officers, employees, contractors, agents and other representatives harmless from all demands, claims, actions, causes of action, proceedings, suits, assessments, losses, damages, liabilities, settlements, judgments, fines, penalties, interest, costs and expenses (including fees and disbursements of counsel) of every kind (i) based upon personal injury or death or injury to property to the extent any of the foregoing is proximately caused either by a defective product (including strict liability in tort) or by the negligent or willful acts or omissions of Customer or its officers, employees, subcontractors or agents, and/or (ii) arising from or relating to any actual or alleged infringement or misappropriation of any patent, trademark, mask work, copyright, trade secret or any actual or alleged violation of any other intellectual property rights arising from or in connection with the products, except to the extent that such infringement exists as a result of Aeon Labs' manufacturing processes.

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THE INDEMNITY AND WARRANTY IN ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHER INDEMNITIES OR WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

FCC NOTICE (for USA)

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

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:

- Z-Stick FCCID: XBA20090807
- Minimote FCCID: XBA20090818

Warning:

- Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.
- Contact your local government for information regarding the collection systems available.

Certifications (regional):



Harmonizing the Smart Home: www.aeon-labs.com

FAQs

What is the Aeon Labs Smart Energy Monitor?

The Aeon Labs Smart Energy Monitor is a cost-effective energy monitoring solution designed for tracking wattage and kWh usage for the entire home. It wirelessly reports this data to central control point gateways, making it easy to monitor energy consumption.

Can the Aeon Labs Home Energy Meter communicate wirelessly?

Yes, the Home Energy Meter can wirelessly report immediate wattage and kWh usage of the AC mains to a Z-Wave gateway, enabling easy monitoring.

How does the Z-Wave mesh network work with the Home Energy Meter?

The Z-Wave mesh network allows commands to be routed to their destination via intermediary listening Z-Wave products. Z-Wave certified devices, including the Home Energy Meter, can communicate and interact with other Z-Wave certified devices.

How does the Aeon Labs Home Energy Meter help in monitoring energy consumption?

The Home Energy Meter wirelessly reports immediate wattage and kWh usage of the AC mains to a Z-Wave gateway, allowing you to monitor your home's energy consumption in real-time.

Can I use the Aeon Labs Home Energy Meter with any Z-Wave gateway?

Yes, the Home Energy Meter can be used with Z-Wave gateways such as gateway name. It is designed to seamlessly integrate with Z-Wave networks for efficient energy monitoring.

What is the purpose of the Z-Wave mesh network in relation to the Home Energy Meter?

The Z-Wave mesh network enables the Home Energy Meter to communicate with other Z-Wave certified devices. It allows commands to be routed through intermediary devices, ensuring reliable communication.

How do I initiate the Z-Wave inclusion process for the Home Energy Meter?

To include the Home Energy Meter in a Z-Wave network, press the button on the Aeon Labs Z-Stick. This will initiate the Z-Wave inclusion process, allowing the meter to communicate with other devices in the network.

Can I monitor energy usage remotely using the Aeon Labs Home Energy Meter?

Yes, the Aeon Labs mobile app allows you to remotely monitor energy usage, view wattage and kWh data, and manage settings associated with the Home Energy Meter.

Is the Aeon Labs Home Energy Meter suitable for commercial applications as well?

While designed for home use, the Home Energy Meter's versatility makes it compatible with certain commercial applications where energy monitoring is essential.

Are batteries required for the Home Energy Meter's operation?

No, the Home Energy Meter does not require batteries for operation. It is powered through alternative sources.

What happens if the LED on the Home Energy Meter blinks after pressing the button?

If the LED blinks after pressing the button, it indicates that the Home Energy Meter is not currently paired into a Z-Wave network. Follow the pairing process to connect it.

How accurate is the energy usage data provided by the Home Energy Meter?

The Home Energy Meter provides accurate and real-time data for energy usage, allowing you to effectively monitor and manage your energy consumption.

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