



Works with Home Assistant

Device Test Report

Manufacturer/Vendor name: Lorem ipsum

Model/Product name: Lorem ipsum

Product/Model ID: Lorem ipsum

Tested firmware version: Lorem ipsum

Type of device: Powerplug

Protocol: Lorem ipsum

Test applies to other models/product range: Lorem ipsum

Tested by: Lorem ipsum

Date: Lorem ipsum

Description/Notes:

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Overall testing result:

Testing Incomplete

Summary of testing results

Summarize issues blocking certification.

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Overall vendor impression

What is the general experience with this manufacturer/vendor? We rate this experience from both our own and a user point of view. How easy is it to find product information and contact details on the company website? Can the product support information, such as manuals and reset instructions, be easily found?

Product information/websites:

Not rated

Communication:

Not rated

Direct contact for development/technical support:

Not rated

Direct contact for customer support:

Not rated

Comments

Any comments to support the above conclusions.

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Overall product impression

What is the general experience of this product? We value this experience solely from a user point of view. How easy was it to set up the product from unpackaging it to first usage (from within Home Assistant)? We also share our (objective as possible) opinion about build quality, keeping the price tag in mind. For a premium-priced product, we expect a premium build quality and overall experience, while a budget product should work fine, but perhaps use less premium materials or lack some extra features.

Build quality:	Not rated
Packaging:	Not rated
Documentation:	Not rated
Out of the box experience:	Not rated
Does the product provide features as advertised:	Not rated

Comments

Any comments to support the above conclusions.

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Protocol-specific test results

Items marked as “Req” are required, and the test will fail if these are not passed. Items listed here that are not marked as required are considered recommendations for a better Home Assistant/user experience, but not barriers to certification.

Z-Wave

	Req	Test	Comment
The device is certified by the Z-Wave Alliance.	Y	Not rated	
All standard Z-Wave operations are specification compliant.	Y	Not rated	
Primary functionality for the device type is recognized and operable in Home Assistant.	Y	Not rated	
No duplicate functionality.	Y	Not rated	
Device configuration file exists in the node-zwave-js project.	N	Not rated	
Firmware updates exist in the Z-Wave JS firmware update service.	N	Not rated	
Units of configuration parameters are documented (where applicable).	Y	Not rated	
Values of configuration parameters are documented clearly.	Y	Not rated	
Readonly/Writeonly status of configuration parameters is documented.	Y	Not rated	
Naming/numbering of buttons, indicators, etc. is identical between the manual and the UI/Z-Wave specifications.	N	Not rated	
Individual reports can be toggled on/off via configuration parameters.	N	Not rated	
Frequency of individual reports can be controlled via configuration parameters.	N	Not rated	

Threshold-based reporting is supported and can be configured via configuration parameters.	N	Not rated	
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Zigbee

	Req	Test	Comment
The device is certified by the CSA.	Y	Not rated	
All standard Zigbee operations are specification compliant.	Y	Not rated	
Primary functionality for the device type is recognized and operable in Home Assistant.	Y	Not rated	
No duplicate functionality.	Y	Not rated	

Matter

	Req	Test	Comment
The device is certified by the CSA.	Y	Not rated	
All standard Matter operations are specification compliant. Custom clusters are only allowed for additional features outside of the specification.	Y	Not rated	
Primary functionality for the device type is recognized and operable in Home Assistant using the Matter integration.	Y	Not rated	
You must be able to set up and reset the device through Matter without the need for a vendor specific app, account or cloud.	Y	Not rated	
The Matter (QR) code for inclusion/commissioning is present on the	Y	Not rated	

device itself and provided with the box/user manual.			
A device is able to handle up to five concurrent controllers (multi admin) at the same time. While part of Matter certification, this needs additional testing specifically within Home Assistant.	Y	Not rated	

Vendor-specific (including Bluetooth)

The vendor needs to create and maintain a device/vendor-specific integration for Home Assistant, using the instructions given here:

https://developers.home-assistant.io/docs/creating_component_index

This step is mandatory before any device testing starts.

NOTE: If an existing (community-driven) integration exists and the manufacturer decides to leverage (or build on top of) it as a starting point for their official integration, it is their responsibility to contact the community maintainer and ensure that the integration is actively maintained.

Vendor-specific (including Bluetooth)			
The vendor-specific integration for Home Assistant must meet the GOLD integration quality scale level as a minimum.	Y	Not rated	
The vendor-specific integration for Home Assistant meets the Platinum integration quality scale level.	N	Not rated	
The vendor is the active maintainer of the device/vendor-specific integration.	Y	Not rated	
The vendor is responsible for responding to issue reports for their integration in the Home Assistant core responsibility.	Y	Not rated	
The vendor is responsible for ensuring the device's documentation on the Home Assistant	Y	Not rated	

integration documentation pages is correct.			
Bluetooth-specific			
Vendor-specific Bluetooth library is maintained by the vendor and conforms to the (same) code standards as the other Bluetooth-specific translation libraries for Home Assistant.	Y	Not rated	
Devices are automatically discovered by Home Assistant.	Y	Not rated	
Devices are automatically discovered by Home Assistant by using a passive scanning method.	N	Not rated	
In the case of an encrypted device, pairing should be straightforward.	Y	Not rated	

Device type specific test results

Items marked as “Req” are required, and the test will fail if these are not passed. Items listed here that are not marked as required are considered recommendations for a better Home Assistant/user experience, but not barriers to certification.

N.B. For each specific product (type) we may have some additional testing parameters.

Generic (all/many device types)	Req	Test	Comment
Adding the device to Home Assistant out of the box is straightforward.	Y	Not rated	
Removing the device from Home Assistant is straightforward.	Y	Not rated	
Adding/joining, removing and factory reset instructions are easy to follow.	Y	Not rated	
Adding/joining, removing and factory reset are possible without using external apps.	N	Not rated	
The default configuration after joining is sufficient for normal operation.	Y	Not rated	
The device supports OTA firmware updates.	Y	Not rated	
The device can be updated using Home Assistant (at least the availability of an update is visible as an update entity).	N	Not rated	
If the device relies on a vendor app and/or cloud for control of advanced features, such as advanced configuration options, this app/cloud should at the very least be available for the lifetime of the device (minimum of five years). This cloud connection is only accepted for additional/secondary device features. Basic device control must be possible at all times (the definition of basic control is determined by common sense, or if there	Y	Not rated	

is a mandatory flag in the protocol specification, e.g. Matter and Z-Wave).			
All mains-powered devices			
The device complies with local safety regulations (CE, FCC).	Y	Not rated	
The device has overload protection.	Y	Not rated	
The device has overheating protection.	Y	Not rated	
The device itself consumes no more than 0.5 Watts of energy (standby power), with the relay toggled OFF in case of an actor device.	Y	Not rated	
Power plug			
The power plug is able to handle loads of at least 10A.	Y	Not rated	
The powerplug can handle loads of up to 16A (15A in 110V regions).	N	Not rated	
The powerplug restores its previous state at power loss (or this is configurable, see below).	Y	Not rated	
The plug has a setting to configure its default restore state after power loss (and that setting is also working).	N	Not rated	
The plug has a usable form factor so if used in a power socket, its neighboring socket can still be used.	N	Not rated	
LED load indicators are configurable so it should be possible to turn them off.	N	Not rated	
If advertised as outdoor, the plug has sufficient weatherproof standards: IP65 or better.	Y	Not rated	

Entities

Use this section to record what entities are exposed in Home Assistant, whether any should be changed to diagnostic only, or whether there are entities missing or wrongly categorised. Include screenshots where relevant.

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Primary/Secondary functions

Outside the primary function, does this product have any other features or functions to note?

Primary function: Power plug: On/off. If advertised as “energy monitoring” or “power metering” this should also be considered a primary function.

Secondary functions: Night light, sensors, signal repeating, etc.

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Are any of the secondary features missing from Home Assistant? If so, detail which ones.

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Do you consider the missing feature/function a reason why a purchaser would choose this device over an alternative? Yes/No

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Is the missing feature enabled in the connectivity type this is being tested against? I.e. Matter doesn't support all smart home features at present.

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Additional notes.

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Recommendations/Improvements

Do we have any general recommendations for the manufacturer that do not block WWHA approval but are nice to have, or improve the user experience with the product, manufacturer or relationship?

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Improvements for Home Assistant

The WWHA program is a joint effort in making sure the user gets the best experience possible. While the manufacturer is responsible for creating a good device with good support, Home Assistant needs to ensure that this device works as designed within Home Assistant. First of all, the primary functionality should work as intended, but we may also spot features or extras that would enrich the user experience even further.

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Product photos

This area is for relevant photographs of the product or logs/screenshots that were highlighted during testing.