

Smart plug is a Z-Wave Switch plugin module specifically used to enable a Z-Wave command and control (on/off) of any plug-in tool. Smart Plug is also a security Z-Wave device and supports the Over The Air (OTA) feature for the product's firmware upgrade. HKZW-S005 is a Smart Plug based on Z-Wave plus specification.

Smart Plug's RGB LED indicator will show different light colors when it connect loads with different power.
There are 8 light color indications:

[illegible]

TIP:

1. This function works only when Smart Plug has been included into a Z-WAVE network.
2. Click the Z button to exit the test.

Use this procedure only in the event that the network primary controller is missing or otherwise inoperable.

Smart Plug supports 1 association grouping.
The max number of associated nodes is 5.

Smart plug can be included and operated in any Z-Wave network with other Z-Wave enabled devices from other manufacturers and/or other applications. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network. Included as a non-secure device

Smart Plug can be included into the Z-Wave network manually via the Z-Button. In addition, the Smart Plug may be included in auto-inclusion mode, by simply connecting the power supply.

Automatic Z-Wave network inclusion:

- 1) Set the Z-Wave network master controller into inclusion mode (see Z-Wave network controller operating manual).
- 2) Insert the Plug into a socket.
- 3) Auto-inclusion will be activated, i.e. Plug automatically starts looking for Z-Wave network controller. Auto-inclusion activation is signalled by a single, RS485 LED indicator blink fast in blue.
- 4) Smart Plug should be recognized and automatically included into the Z-Wave network.

- 2) Set the Z-Wave network main controller into inclusion mode (see Z-Wave network controller operating manual).
- 3) Apply the Z-button. RGB LED indicator should blink fast in blue.
- 4) Smart Plug should be recognized and included into the Z-Wave network.

included as a secure device.

- 1) Connect the power supply.
- 2) Set the Z-Wave network main controller into a node secure mode (see Z-Wave network controller operating manual).
- 3) Press and hold the Z-button for more than 3 seconds.
- 4) Smart Plug should be recognized and included into the Z-Wave security network.

After the inclusion process complete, Plug's auto-inclusion function will be deactivated, i.e. Plug will not try to include itself into a Z-Wave network.

Power supply:	230V +/-10%, 50Hz
Rated load current:	10A
Power consumption:	≤1.5W
Power output (plug for resistive load):	2300W
Power output: (USB port 1):	12W 5+/-0.25V 2.4A
Power output: (USB port 2):	12W 5+/-0.25V 2.4A
Storage environment:	-20℃~60℃ 0%-80%
Operational temperature:	-10℃~40℃
Radio protocol:	Z-Wave
Radio frequency:	868.42MHz
Range:	More than 150m outdoors About 40m indoors (depending on building materials)
Dimensions:	82*55*28mm

- 1) Insert your device into a socket.
- 2) Add device into your Z-Wave network if necessary.
- 3) Connect load to the plug, make sure the load does not exceed 2300W.
- 4) Set the connected device to ON, to turn on connected device manually.
- 5) Click Z button to turn off the Plug manually, once the Smart Plug is turned off the ROLL LED indicator will turn brightly.

Parameter No. 21 Setting device status after power failure
Define how the plug reacts after the power supply is back on.

[illegible]

- The function is disabled.
- Send Basic report.
- Send Basic report only when Load condition is not changed
- Z-WAVE Command.
- default setting: 1
- parameter size: 1 [byte]

parameter No. 27 indicator modes
After smart plug included into a Z-Wave network,
the RGB LED indicator will indicate the situation of load.

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GPIB LED indicator will turn off if there is no more switch action
in seconds.
Default setting: 0
Parameter size: 1 [byte]
POWERMAN AND ENERGY REPORTS SETTINGS:
Parameter No. 151 Threshold of power report
When the change value of
power threshold is interpreted, the smart plug will
send power report to association device (Group L1/line1).
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Parameter No. 157 Percentage threshold of power report  
Parameter setting: 0.6553 (to -0.65535W)  
Available settings: 0.6553 (to -0.65535W)  
Note: The function is disabled.  
Default setting: 0.5 (50%)  
Parameter size: 2 [byte]  
Parameter No. 158 Percentage threshold of power report  
Parameter setting: 0.6553 (to -0.65535W)  
Available settings: 0.6553 (to -0.65535W)  
Note: The function is disabled.  
Default setting: 0.5 (50%)  
Parameter size: 2 [byte]
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X. FCC NOTICE (for USA)

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.