



WeR@Home™

Z-Wave® Plus Extender Datasheet



ES800ZWP
Z-Wave Plus Home Automation Device
Controller

Product

The Z-Wave Plus Extender incorporates third party Z-Wave devices into WeR@Home™, integrating home automation and control functions with the core WeR@Home™ system.

Features include:

- Single-element, compact Z-Wave Plus controller
- Allows Z-Wave devices to be added as seamlessly integrated elements in WeR@Home™.
- Enables support for Smart Devices such as:
 - Light switches (on/off and dimmer)
 - Thermostats
 - Door locks
 - Power strips
 - Multi-colored (RGBW) LED bulbs
- Powered by the WeR@Home™ hub
- Simple and fast pairing process

WeR@Home™ Smart Living

The WeR@Home™ suite allows living life fully through smart connected homes

- Home security and safety at the core
- Notifications of security events and remote management of the home in real time
- Modular and expandable - manage connected home devices with Z-Wave® expansion
- Smart Rule engine for automation – decide which device, condition, or event will trigger which actions and at what time
- Live HD video – anytime, on any screen
- Save energy and money by ensuring that lights and air conditioning are turned off when not at home



ESUGSL027 Rev. 1.6 For more information, go to: <http://www.essence-grp.com/smart-living/wer-at-home>

Specifications

COMMUNICATIONS

- **Maximum RF range:** 30 m (98 ft.) open air
- **Maximum transmission:** 25 mW (14 dBm)
- **Modulation and frequency:** GFSK Modulation
 - 868.4 MHz (Europe)
 - 908.4 MHz (USA, Canada, and Mexico)
 - 921.4 MHz (Australia)
 - 869 MHz (Russia)
 - 926.3 MHz (Japan)
 - 916 MHz (Israel)
- **Bit rate:** up to 100 kbps
- **Data security:** 128-bit AES encryption
- Uses the Z-Wave 500-series chip
- Utilizes Z-Wave mesh network

POWER

- Powered only by the hub's power adapter
Note: In the event of a power outage, the Z-Wave Plus Extender is not powered by the hub's backup battery

DIMENSIONS

- **Size (H x L x W):** 5 x 58 x 24 mm (0.2 x 2.3 x 0.9 in.)
- **Weight:** 10 g (0.03 lb.)
- **Cable length:** 15 cm (5.9 in.)

ENVIRONMENT

- **Storage ambient temperature range:** -20°C to 50°C (-4°F to 122°F)
- **Operating ambient temperature range with battery:** 0°C to 50°C (32°F to 122°F)
- **RF operating humidity:** Up to 95% non-condensing

COMPLIANCE

- **FCC:** YXG-ES800ZWP
- **IC:** 11061A-ES800ZWP
- **CE:** Safety: EN 60950-1; Radio: EN 300 220-2; EMC EN 301 489-1; EN 301 489-3
- **Z-Wave Plus** certification

