

# WeR@Home™



## Z-Wave® Plus Extender



ES800ZWP

Z-Wave® Plus Home Automation Device  
Controller

### Product

The Z-Wave® Plus Extender allows incorporation of third-party Z-Wave® devices into WeR@Home™, integrating Smart Home applications with the Essence Security system.

#### It features:

- Single-element, compact Z-Wave® Plus controller
- Allows Z-Wave® devices to be treated as integral elements in the WeR@Home™ system
- Enables support for Smart Devices such as:
  - Light switches (on/off/dimmer)
  - Thermostats
  - Door locks
  - Power strips
  - Multiple input/multiple output devices
  - 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
- Scenarios and rules 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

This device complies with FCC Rules Part 15 and with Industry Canada license-exempt RSS standard(s). 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

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.



ESUGSL027 v1.0 For more information, go to: <http://www.essence-grp.com/smart-living/wer-at-home>

### Specifications

#### COMMUNICATION

- **Maximum RF Range:** 30m (98 ft.) open air
- **Maximum Transmission:** 25 mW (14 dBm)
- **Modulation and Frequency:** GFSK Modulation
  - 868.42 MHz (in Europe)
  - 908.4 MHz (in USA, Canada, and Mexico)
  - 921.42 MHz (in Australia)
  - 869 MHz (in Russia) – ES800ZWE-RU-M01: EIRP, no more than 10 mW
- **Bit Rate:** up to 100 kbps
- **Data Security:** 128bit AES encryption
- Uses the Z-Wave® 500-series chip
- The Z-Wave® protocol acts as the interface between the WeR@Home™ proprietary RF network and the devices connected to the WeR@Home™ System via the Z-Wave® mesh network.

#### DIMENSIONS

- **Size:** H: 5mm (0.2 in.), L: 58mm (2.28 in.), W: 24mm (0.94 in.)
- **Weight:** 10 grams (0.03 lbs.)
- **Cable length:** 15cm (5.9 in.)

#### ENVIRONMENT

- **Storage Ambient Temperature range:** -20°C – +50°C (-4°F – +122°F)
- **Operating Ambient Temperature range with battery:** 0°C – +50°C (32°F – +122°F)
- **RF Operating Humidity:** Up to 95% non-condensing

#### CERTIFICATION

- **FCC:** YXG-ES800ZWP
- **IC:** 11061A-ES800ZWP

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to this equipment not expressly approved by the party responsible for compliance (Essence Ltd.) could void the user's authority to operate the equipment.

