



WeR@Home™

Universal Transmitter Datasheet



ES800UT
Wired to Wireless Device Adapter

Product

This transmitter enables incorporation of third-party legacy-wired peripherals into WeR@Home™.

Features include:

- Conversion of any wired-device with Normally Open (NO) and Normally Closed (NC) modes into a wireless-device within the WeR@Home™ system
- Flexible application definition, such as security device, flood/fire/gas detector, or panic button
- Dual LED (green/red) for status indication
- Single-element, lightweight RF transceiver with isolated, dual-wire 30 cm (11.8 in.) cable
- Can be configured via the WeR@Home™ mobile app
- Efficient power consumption to extend the operational period
- Supports automatic over-the-air software programming and configuration upgrade (RSU)
- Easy installation: double-sided adhesive tape

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

Specifications

COMMUNICATIONS

- **Maximum RF range:** 500 m (1,640 ft.) open air
- **Maximum transmission:** 25 mW (14 dBm)
- Proprietary bi-directional radio protocol
- **Modulation and frequency:** DSSS, 2.4 GHz
- **Data security:** 128 bit AES encryption

POWER

- One AA size alkaline battery
- Two year battery life

DIMENSIONS

- **Size (H x W x D):** 72 x 30 x 25 mm (2.8 x 1.2 x 1.0 in.)
- **Weight:** 25 g (0.06 lb.) + 15 g (0.03 lb.) battery
- **Cable length:** 30 cm (11.8 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-ES800UT
- **IC:** 11061A-ES800UT



ESUG05066 Rev. 2.2 For more information, go to: <http://www.essence-grp.com/smart-living/wer-at-home>