Gateway
part of the Beanbag system

Z-Wave Plus™ certified

The Gateway is a member of the stylish and intelligent Beanbag family of home heating control products, designed to ensure your comfort at all times, while minimising energy consumption.

Beanbag products can be used together in many different ways, and can be integrated with other home control equipment to suit a wide range of heating systems. The Gateway is the ideal partner for the Thermostat and Receiver, all working together through interoperable low-power radio communications. A smartphone app enables you to read the temperature, receive alarms and adjust the set point from anywhere with an Internet connection. You no longer have to worry about returning to a cold house.

Z-Wave Plus™ certified

The Beanbag Gateway is a Z-wave Plus™ S2 certified mains-operated device. It communicates with home sensors, actuators and other control devices using mesh radio technology. An embedded Wi-Fi chip allows it to communicate with the Beanbag mobile app locally or remotely. The Gateway can be operated in any Z-wave network, with other Z-wave certified products.

Application

- Beanbag heating and hot water control
- Integration of Z-wave end devices for heating and other control applications

Features and benefits

- Stylish design, coordinating with other Beanbag home heating control devices
- Mains powered
- Z-Wave Plus™ certified
- Wi-Fi enabled, connects to home network
- Channel for local and remote control of end home devices
- Fail-safe provision for local control of heating/hot water if network is unavailable
- Supports remote firmware upgrades
- Scalable architecture, ready to integrate with future high-end applications

secure
energy together

Gateway

Technical specifications

Electrical

Gateway adapter supply voltage	100 V to 240 V AC 50 Hz
Gateway adapter output voltage/current	1 A @ 5 V DC (max.)
Power connector type	Micro USB Type B
Software class	Class A
Insulation category	CAT II

Compliance

Design standards	AV/ICT Safety: EN 62368-1
	R&TTE: Radio: ETSI EN 300 328, ETSI EN 300 220-1, ETSI EN 300 220-2
	EMC: ETSI EN 301 489-1, ETSI EN 301 489-3, ETSI EN 301 489-17

Mechanical

Dimensions	155 mm x 155 mm x 27 mm
Case material	Thermoplastic, flame-retardant
Weight	278 g (approx.)
Top surface finish	Plastic or wood
Mounting	Free standing

Environmental

Impulse voltage rating	Cat II 2500V
Enclosure protection	IP30
Pollution degree	Degree 2
Operating temperature range	0˚C to +40˚C

Radio

Compliance	Z-Wave Plus and Wi-Fi
Operating frequency	868.42MHz (EU) for Z-wave and 2.4 GHz for Wi-Fi
Receiver category	Category 3 (for Z-Wave part)
Power class	Class B (for Z-Wave part)
RF range	>100 m, line of sight (for Z-Wave part, 50 m for Wi-Fi)
No. of channel	s3 for Z-Wave, 13 channels of Wi-Fi