



Mounting of the Pressac EnOcean Gateway should be done using the Screws or DIN Rail adaptor provided. Care should be taken to mount the Pressac EnOcean Gateway away from any metal objects, surfaces or sheets. For tabletop/unmounted installations adhesive rubber feet are provided these can be secured to the bottom in all corners.

Installation

Ideally the Pressac EnOcean Gateway should be close to the centre of the room, and at least 10cm away from the corner of the wall or ceiling. A signal range of 10 meters should be assumed, this should ensure you get good enough coverage in less-than-ideal conditions. More information on positioning and planning your installation can be found on the Pressac website.

Positioning

Insert a SIM card by pushing the SIM card into the SIM card slot until it clicks in to place using the provided tool. Remove a SIM card by pushing the SIM card in the SIM card slot until the SIM card is released.



NOTE: SIM card insertion and removal should only be done with the provided SIM card tool.

SIM Card Insertion and Removal (LTE Variants)

TECHNICAL SPECIFICATIONS	
Wireless Protocol	EnOcean
Power Supply	CB Approved 5v DC Mains Adaptor
Security and Encryption	AES-128 Compatible
Voltage In	100-240v AC 50Hz 300mA
Voltage Out	5v DC 2000 mA
Mounting	Screw or DIN Rail
LED	Red/Green - Bi Colour LED
Operating Temperature Range	0°C to +40°C
Storage Temperature Range	-20°C to +55°C
Case Dimensions	150mm x 85mm x 28mm approx
Antenna Dimensions	EnOcean Length 140mm approx *WiFi Length 110mm approx *LTE Length 170mm approx
EnOcean	TCM 515 868MHz
Network Interface	10/100 Ethernet Interface *WiFi Interface *LTE Interface
CPU	Broadcom BCM2837 quad-core A54 (ARMv8) 64-bit @ 1.4GHz
Memory / Storage	1GB RAM / 8GB eMMC
Realtime Clock	Fitted
Antenna	EnOcean - 1/2 Wave SMA *WiFi - 2.4 GHz SMA RP *LTE - Multiband SMA

* Not included with all variants



NOTE: Antennas provided will vary depending which variant of gateway you have. Prior to installation and operation antennas require attaching to the gateway. All antenna connections are labelled on the gateway.

Antenna Connection

3. Assembly and Physical Installation



Product Variants

The Pressac EnOcean Gateway is a highly effective industrial IoT gateway designed and uniquely optimised for EnOcean and IP communications. The Pressac EnOcean Gateway will publish received sensor data to user defined MQTT brokers or cloud IoT platforms such as IBM Watson IoT and Microsoft Azure IoT Hub.

2. Product Description

Pressac EnOcean Gateway is available in various configurations two examples of available products variants can be seen below.



QUICKSTART-GUIDE

Pressac EnOcean Gateway

1. Introduction

It is recommended that you read this Quick Start Guide carefully before using the Pressac EnOcean Gateway.

Symbols

WARNING Important information regarding risks.

NOTE The section contains further information.

Health Risks

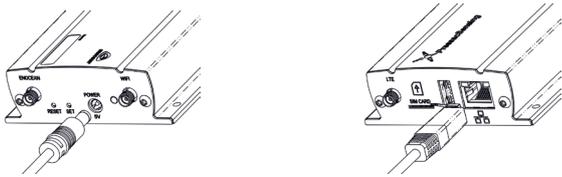
Use the device only for its intended purpose. The device is only suitable for indoor use. Avoid exposing the unit to moisture, dirt or dust. Avoid direct sunlight and other sources of heat. Avoid placing the device in a metal case. Such placement will affect the ability to communicate with other devices. Do not open the device! In case of an error, please contact the manufacturer.

For more information please visit: <http://www.pressac.com>

Pressac Communications Ltd 145 Glaisdale Drive West Nottingham NG8 4GY	E: sales@pressac.com T: +44 (0) 115 936 5200 E: tech_support@pressac.com T: +44 (0) 115 936 5202
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4. Power and Ethernet

NOTE: An Ethernet connection is required for initial configuration of the gateway, other connections such as LTE and WiFi can then be configured for ongoing connectivity.



WARNING: Always use the approved antenna and power supply provided with the unit. The use of non-approved accessories will invalidate warranty and may be contrary to the radio license in your country.

5. Accessing the Web User Interface

NOTE: The IP address for Ethernet and WiFi networks will be different and the Web UI is not accessible via LTE

Pressac EnOcean Gateway comes with an easy to use web interface for configuration of all features and settings. To access the web user interface open a web browser on a PC connected to the same local area network as the Pressac EnOcean Gateway and go to the IP address of the Pressac EnOcean Gateway. If you do not know the IP address this can be found in a variety of ways.

Universal Plug and Play (UPnP) - Windows Devices

Pressac EnOcean Gateway announces itself over UPnP and can be found in the 'Gateways' or 'Other Devices' section of the Windows Network area to find this area click 'Start' search for 'Computer' click it then click 'Network' on the left hand side.

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Bonjour - Apple Devices

Pressac EnOcean Gateway can be discovered using Bonjour. One of the easiest ways of using this method is to open 'Safari' go to 'Preferences' then 'Advanced' and tick 'Include Bonjour in the Bookmarks menu' close preferences navigate to 'Bookmarks' and you will now see all your networked Bonjour devices including the Pressac EnOcean Gateway.

DHCP Server / Router

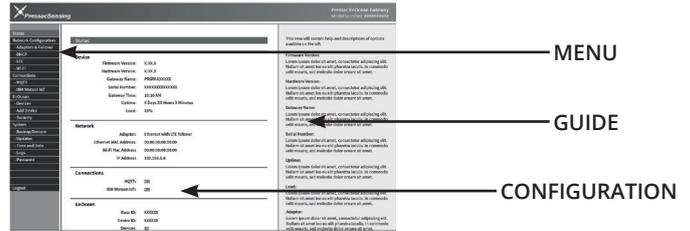
Your router or DHCP servers list of connected devices will contain an entry for the Pressac EnOcean Gateway. If you have any difficulties please contact your network administrator.

6. First Boot

When first accessing the Pressac EnOcean Gateway you are required to set a gateway name and password. Please follow the on screen instructions to set up your gateway for the first time.

7. On Screen Guide

Pressac EnOcean Gateway comes with an embedded user guide which will help you with configuration and set-up.

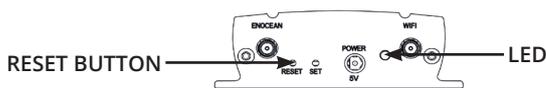


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8. Restore Network Settings

A network settings restore will set the gateway to DHCP mode and clear all network settings including WiFi, LTE and Failover from the gateway. This can be initiated by pressing and holding the RESET button and letting go after 10 seconds.

While a network restore is in progress the LED will flash GREEN two times followed by a GREEN LED flicker if successful or a RED LED flicker if unsuccessful.



9. Restore Factory Settings

A factory restore will remove all devices from the gateway and erase all content and settings reverting the gateway back to its first boot state. This can be initiated by pressing and holding the RESET button and letting go after 30 seconds.

While a factory restore is in progress the LED will flash RED four times followed by a GREEN LED flicker if successful or a RED LED flicker if unsuccessful.

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Declaration Of Conformity

Pressac Communications Limited (the original manufacturer) declares that the product branded



- Pressac EnOcean Gateway - 868MHz

satisfies the requirements of RED 2014/53/EU and has been independently tested and found compliant with the essential requirements of:

- BS EN 61326:2006 Electromagnetic Compatibility
- BS EN 60950-1:2006+A2:2013 Information technology equipment. Safety. General requirements

Where applicable the original Certificates of Compliance are held at Pressac's business address, with copies being available on request.

Robert Smith, Technical Director, Nottingham, June 2019.

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