



# POWER-G Modem LP Module



## Installation Instructions

### 1. INTRODUCTION

The Power-G Modem LP is a wireless transceiver designed for providing simple access to wireless devices. Its main application is an RF interface in a security system that communicates PG messages. The transceiver features UART ports that can be applied to the host of the control panel. Mechanical support and electrical connections are obtained by mounting the modem on an 8-pin connector and fastening it with a screw.

### 2. SPECIFICATIONS

- Frequency band:** USA: 912-919 MHz
- Bandwidth:** 118 kHz
- Data rate:** 50 Kb/s
- Communication interface:** UART
- Antenna input:** Coaxial connector U. FL-R-SMT-1(60) – Herose
- Supply voltage:** 3.3V +/-5%
- Transmit current consumption:** 45mA
- Receiver current consumption:** 25mA
- Operating temperature:** -10 + 55 °C
- Dimensions:** 57x25x7mm

### 3. INSTALLATION

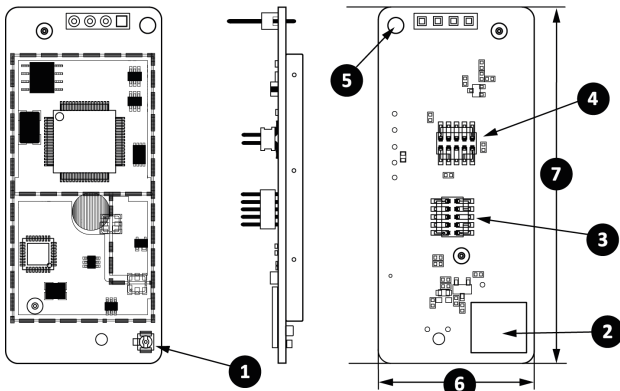


Figure 1

Callout	Description
1	Antenna connector U. FL-R-SMT-1(60) – HEROSE
2	J1 connector
3	Not used
4	Not used
5	Support screw
6	25.0 mm
7	57.0 mm

### Function: J1 connector

- VCC – Operating voltage:** Nominal voltage: 3.3V
- UART\_Rx – Serial asynchronous UART receive port**  
Minimum high input level: 2.3V  
Maximum low input level: 0.99V
- UART\_Tx – Serial asynchronous UART transmit port**  
Maximum voltage: 3.3 + 0.3V  
Minimum voltage: -0.3V
- GND**
- RST – low level active**
- SYSTEM\_INT – output, low level active, BOOT0 – input, low level active**
- Not used**
- Not used**

### 4. COMPLIANCE WITH STANDARDS

USA: FCC 47CFR Part 15  
Canada: IC RSS-247

Visonic Ltd.  
P/M/N: Power-G Modem LP  
Module  
FCC ID: WP3PGMODEMLP  
IC: 1467C-PGMODEMLP

#### OEM Integration Notices

This device is intended only for OEM integrators under the following conditions:

- 1) The antenna must be installed such that 20 cm is maintained between the antenna and users, and
- 2) The transmitter module may not be co-located with any other transmitter or antenna.

As long as 2 conditions above are met, further transmitter test will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed.

**IMPORTANT NOTE:** In the event that these conditions cannot be met (for example certain laptop configurations or co-location with another transmitter), then the FCC authorization is no longer considered valid and the FCC ID cannot be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC or authorization.

#### End Product Labeling

This transceiver module is authorized only for use in device where the antenna may be installed such that 20 cm may be maintained between the antenna and users (for example: wireless AP, wireless Router).

The final end product must be labeled in a visible area with the following: "Contains TX FCC ID: WP3PGMODEMLP; IC: 1467C-PGMODEMLP".

#### OEM Manual Information That Must be Included

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the users manual of the end product which integrate this module. The users manual for OEM integrators must include the following information in a prominent location:

**"IMPORTANT NOTE:** To comply with FCC RF exposure compliance requirements, the antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter."

This device complies with Part 15 of the FCC Rules and RSS-247 of ISED. 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'ISED 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.

To comply with FCC and IC RF exposure compliance requirements, the device should be located at a distance of at least 20 cm from all persons during normal operation. The antennas used for this product must not be co-located or operated in conjunction with any other antenna or transmitter.

Le dispositif doit être placé à une distance d'au moins 20 cm à partir de toutes les personnes au cours de son fonctionnement normal. Les antennes utilisées pour ce produit ne doivent pas être situées ou exploitées conjointement avec une autre antenne ou transmetteur.

**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.

This class B digital apparatus complies with Canadian ICES-003.  
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

**WARNING!** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



**W.E.E.E. Product Recycling Declaration**

For information regarding the recycling of this product you must contact the company from which you originally purchased it. If you are discarding this product and not returning it for repair then you must ensure that it is returned as identified by your supplier. This product is not to be thrown away with everyday waste.

European Directive 2002/96/EC Waste Electrical and Electronic Equipment.



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