Radio Module G2-RF-SLW Instructions



Installation

In order to have the most efficient transmission possible, it is advisable to set the Radio module horizontally with the antenna perpendicular to the plane. See *Fig. 1*



Fig. 1

Activation

The module is configured with OTAA procedure and the radio is off. DEVEUI and activation keys are provided with the module. Register the device on your IT platform before turning it on.
To turn the radio on, bring a magnet near the further side from the antenna (see *Fig. 2*).
The magnet must be kept near the module for at least 6 seconds.
When the module turns on the red led and the green led light for few seconds.
The lighting is visible trough the cover.

The Radio also turns on when it receives 5 pulses on one channel.

After that the join request is activated (the red led turns on three times) and the device will try to join with he gateway:

- If the red led blinks twice the join request has failed and the device is trying to re-join with the gateway. The amount of time between one blink and another can change from a minimun of 10 seconds to a maximum of 2:30 minutes.
- If the red led turns on for 0,5 seconds the device has passed to timeout mode. In this case the device will not transmit any join request anymore unless the user brings a magnet near the module as done previously; during this the red led turns on three times as done before. The device passes to timeout mode after 5 failed join requests.
- If the green led turns on for 0,5 seconds the device has successfully joined with the gateway and it is ready to transmit. The user can read the transmitted information from the IT platform.

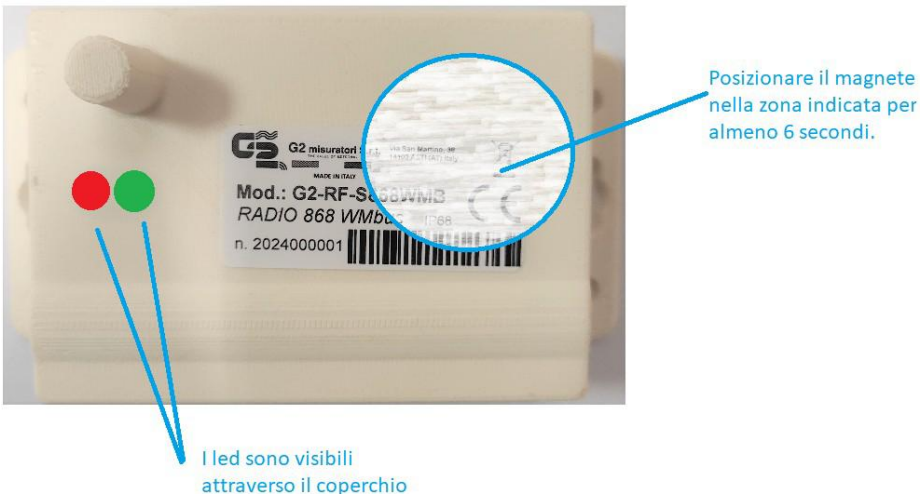


Fig.2

A few seconds after the join, the module confirms its good functioning by transmitting an "I'm Alive" message on the net. During this the green led blinks (start of transmission) and subsequently the red led blinks (end of transmission).
To force a join request when the module has already joined with a GW, it is necessary to keep a magnet on the cover as done before. After 5 seconds the green led blinks and subsequently the red led blinks too; these flashes must be ignored and the magnet must be kept on the cover. After 15 seconds the green led and the red led blink alternately; this must be ignored too and the magnet must be kept on the cover. Finally, after 30 seconds, the green led and the red led blink alternately another time; this means that a join request has been activated and the device will behave as previously described.

Disposal

Smart meters contain lithium batteries; therefore, the product falls within the scope of Directive 2012/19/EU on the management of waste electrical and electronic equipment (WEEE). The device must not be disposed of with household waste as it is made up of various materials that can be recycled at appropriate facilities. At the end of its life cycle, ensure the safe removal and responsible disposal of its components, including the recycling of the batteries, in accordance with the environmental regulations in force in the country of installation.
Please contact your local authority to find out the locations of recycling centres that accept this product for disposal and subsequent proper recycling. The product does not pose a potential risk to human health or the environment, but if discarded in the environment, it has a negative impact on the ecosystem.



The symbol of the crossed-out wheelie bin, which appears on the label affixed to the appliance, indicates that this product complies with the regulations on waste electrical and electronic equipment. Abandoning the appliance in the environment or disposing of it illegally is an offence punishable by law

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THE VALUE OF METERING

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