

Installation Guide for

LoRa Tracker Device

built-in RAK5205 with Tracker Node Enclosure

Version V1.0 | January 2019

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8 PAGES



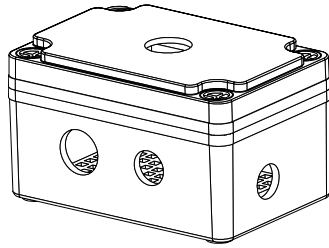


Table of Contents

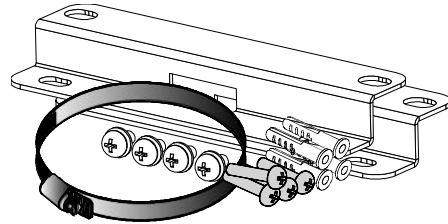
1 Assembly list.....	3
2 Assembly.....	4
3 Installation.....	7
4 Contact Information.....	9
5 Revision History.....	10
6 Document Summary.....	10



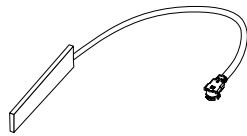
1 Assembly list



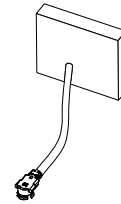
Enclosure (1x)



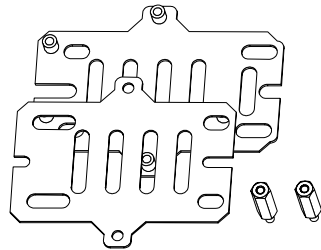
Installation Kit(1x)



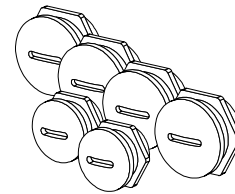
LoRa Antenna (1x)



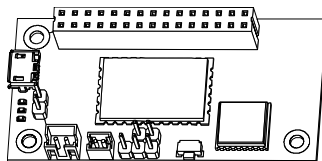
GPS Antenna (1x)



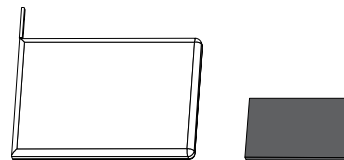
Supporting plate (1x)



Cable Gland Covers (4xM16, 2xM12)



PCB(1x)



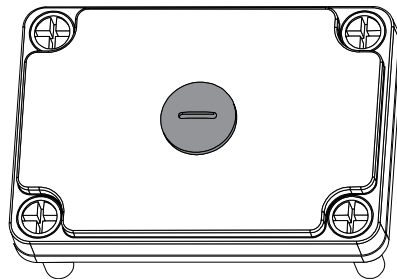
Battery and Adhesive Glue



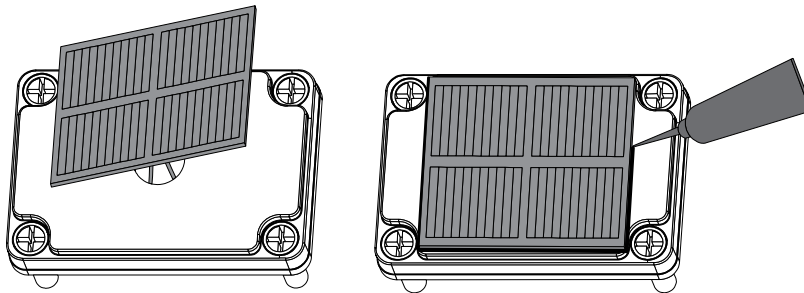
2 Assembly

Step 1: Assemble the cover according to different requirements:

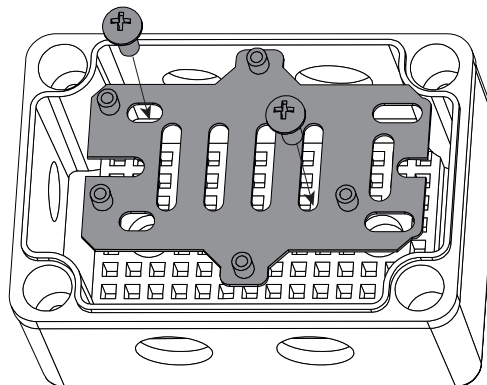
- 1) If there are no solar panels, plug the opening of the cover with M16 Dome plug.



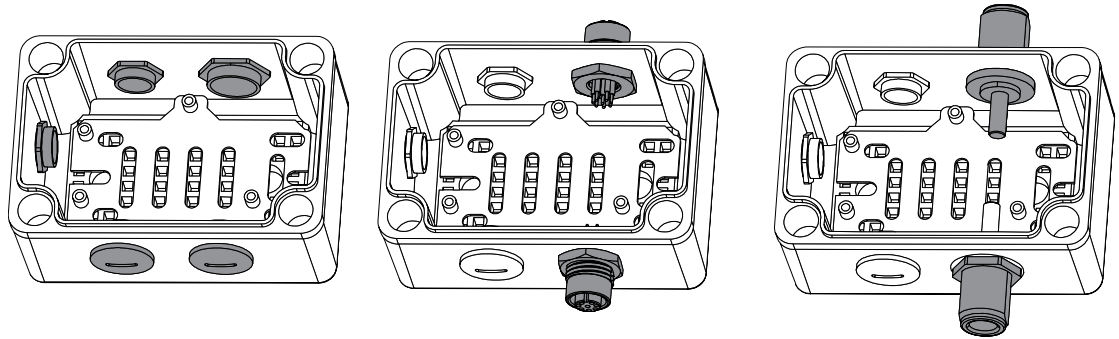
- 2) If solar panel is needed, stick it to the cover with silicon glue.



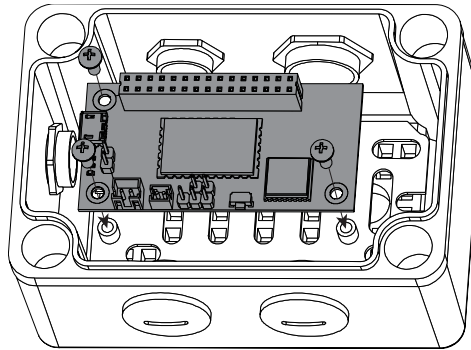
Step 2: Installation of Supporting Plate with two M4*5 Screws



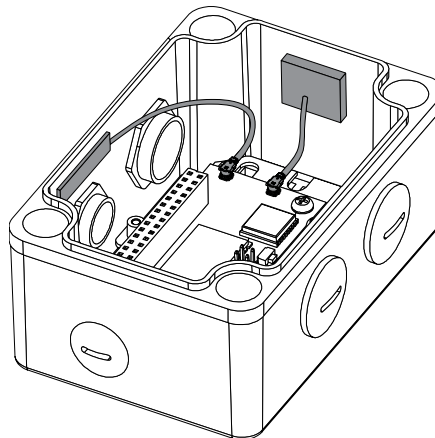
Step 3: Use three M16 Dome plugs and two M12 Dome plugs to plug the opening of the bottom shell (left of the figure below). If an external antenna or an external interface is needed, replace the corresponding hole with the corresponding cable (right or below).



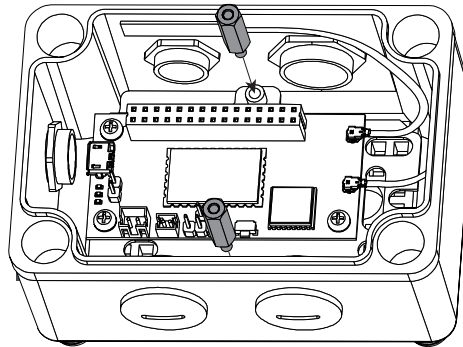
Step 4: PCB was fixed with three M2.5*4 screws.



Step 5: The Lora and GPS antennas are pasted into the bottom shell, in which the LORA antenna is pasted above the M12 Dome plug and the GPS is pasted on the short side.



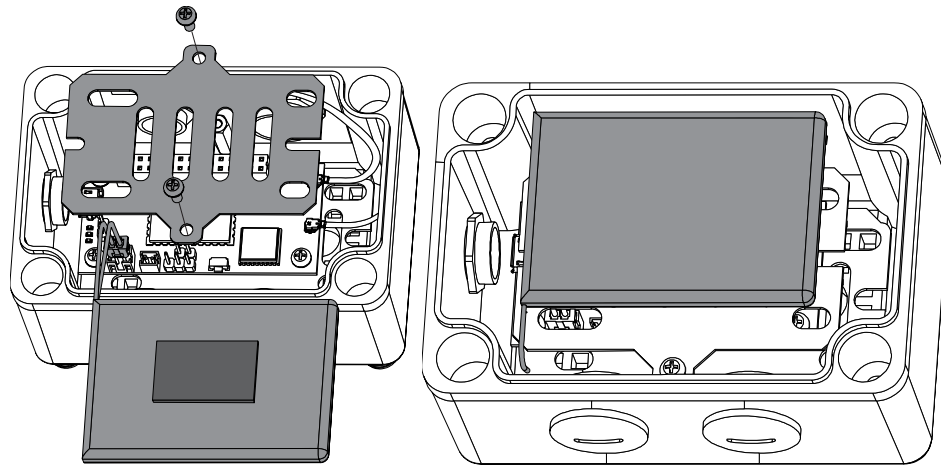
Step 6: Install two M2.5*15 hexagonal standoffs.



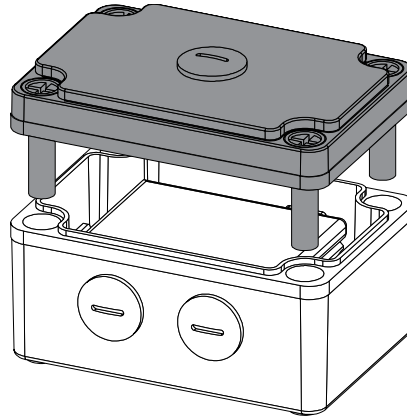
Step 7: Plug the connector of the battery into the socket of the PCB. (If you use solar panels, then connect the cable to the PCB). Then fix the supporting plate on the standoff with two M2.5*4 screws.

Adhesive double-sided glue on the surface of the battery, and Adhesive the battery to the supporting plate.

Caution: you must connect the battery cable first, otherwise you can't connect the cable after installing the supporting plate.



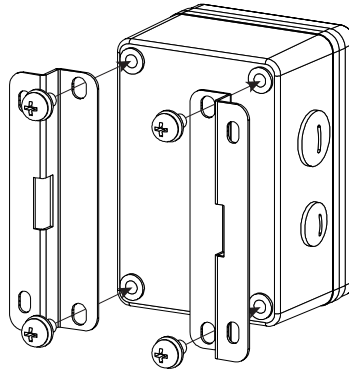
Step 8: Install the cover.



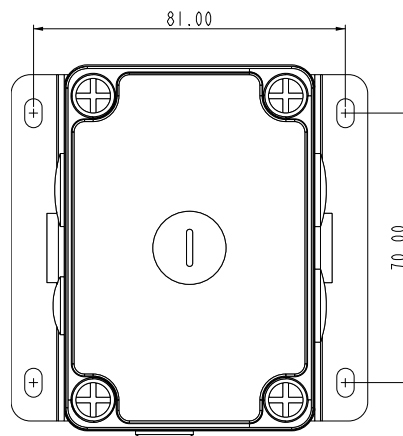
3 Installation

3.1 Wall Mounting

Step 1: Fix the installation kit on the bottom of the enclosure with four M5*10 screws;

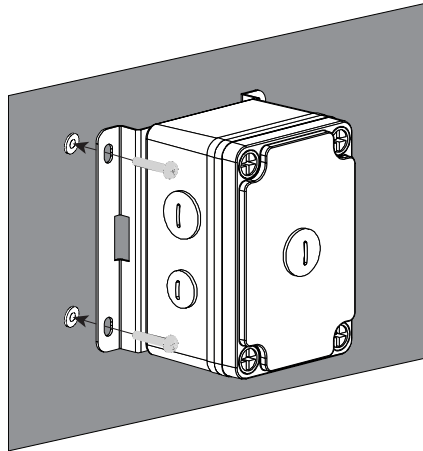


Step 2: Use Ø5mm drill head, drill 4 holes on the wall according to the dimension of the following picture and then plug the screw anchors in the wall;



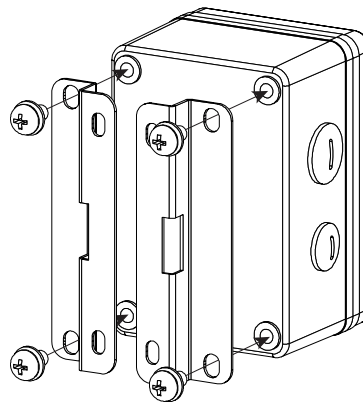


Step 3: Use the tapping screws, attach the device to the wall.

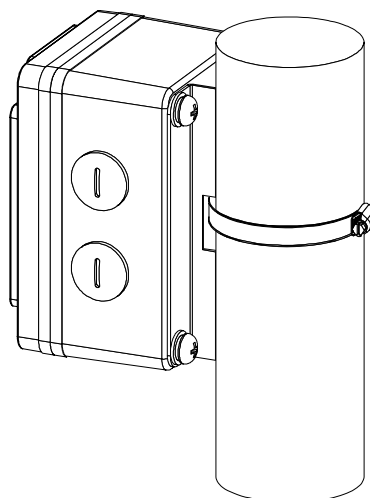


3.2 Pole Mounting

Step 1: Fix the installation kit on the bottom of the enclosure with four M5*10 screws;



Step 2: Slide the Steel band clamps through the rectangular hole of the mount kit, wrap the band clamps around the pole, lock them and then tighten the clamps using a screwdriver.





4 Contact Information

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5 Revision History

Revision	Description	Date
1.0	Initial version	2019-01-15

6 Document Summary

Document Name: Indoor LoRa Gateway RAK7258 Installation Guide
Product Name: Indoor LoRa Gateway
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Prepared by	Checked by:	Approved by:
Zenglei & Penn	Zenglei	



About RAKwireless:

RAKwireless is the pioneer in providing innovative and diverse cellular and LoRa connectivity solutions for IoT edge devices. It's easy and modular design can be used in different IoT applications and accelerate time-to-market turnover.
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