

# RD07 (LORA Receiver) and TAG11(LORA wireless voltage&current sensor) User Guide

## 1. How to start the RD07 (LoRa gateway)

### 1.1 Insert the SIM card.



### 1.2 Install the RF and GSM antenna. Connect the device with the power supply.

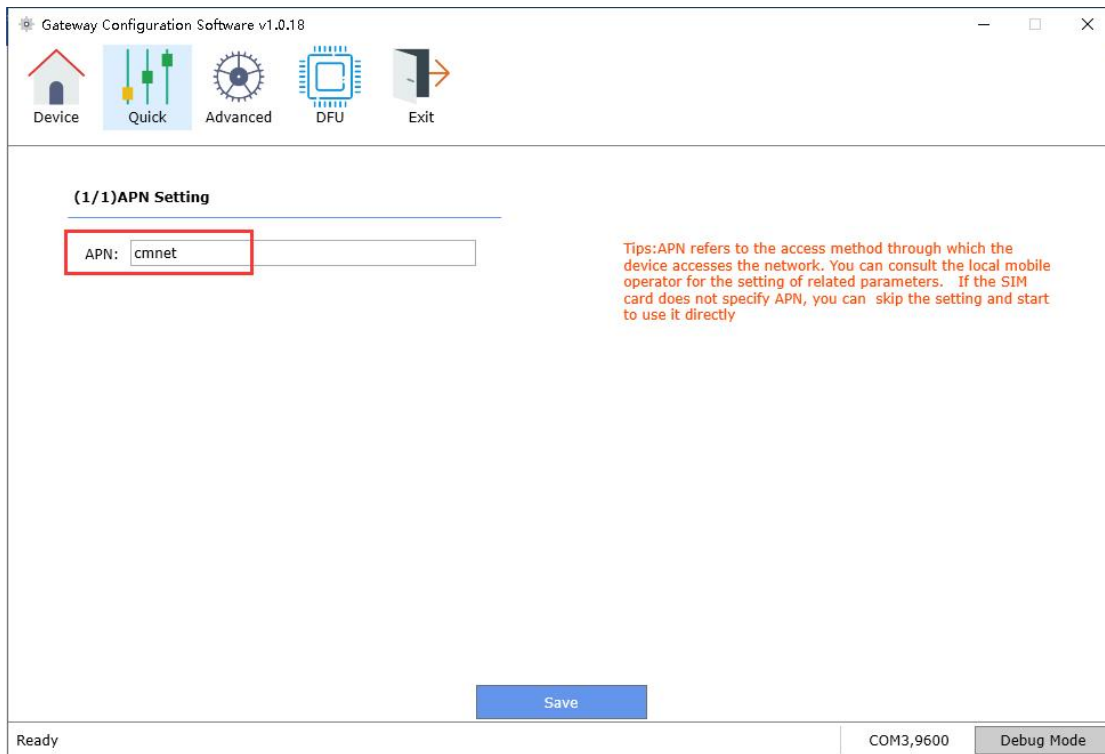


### 1.3 Turn on the device. (Left-on, right-off)



### 1.4 The machine starts working when three LED lights flash at the same time. The data is default to be sent to TZONE cloud platform automatically.

If your SIM card is designated to be the one SIM card operator, please configure the device with APN, If the APN is configured successfully, the data will be sent to TZONE cloud platform. (you can set it by configuring software)



The status of LED light flashing:

**Blue** light: The light will be on for 0.1 second if the data received.

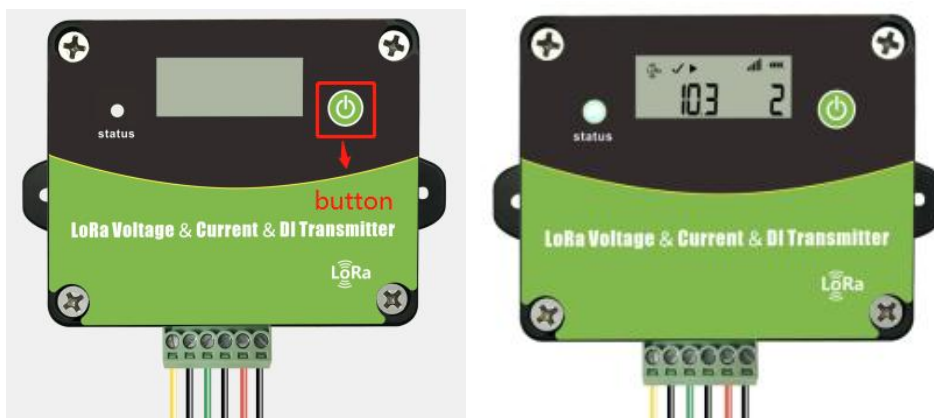
**Green** light: If login GSM network, the light will be on 0.1 second and off 2.9 seconds

If login GPRS network, the light will be on 0.1 second and off 0.9 seconds

**Red** light: No power supply connected, the light will be on every 2 seconds. If the power supply is connected, the light will be always on.

1.5 TAG11 is turn on by default and data will be sent directly to the gateway

Please connect the antenna, TAG11 is enabled by default and automatically sends a data to the Lora gateway every 15 minutes. If you need to send data to the gateway quickly, you can directly press the one-second button.



## 2. Access to TAG11 data on TZONE Cloud platform

Please into TZONE Test platform (<http://cloud.tzonedigital.cn/OnlineDebugging/>).

Enter the device ID to query

# Welcome to Tzone Test Platform

Query Box

🔍 ID/IMEI/SN

Query →

https://cloud.tzonedigital.cn/OnlineDebugging/Payload?id=80000003

Test Platform 80000003 [Back]

2023/08/10 10:24

2023/08/17 10:24

Query

#	HardwareId	CreateTime	JSON
1	80000003	2023/08/17 10:19:00	{ "IMEI": "862057044207055", "SN": "80000003", "TagStatus": "00011000", "VBV": 3.62, "V": 4.34, "A": 0.097, "Switch": 0, "Rssi": -21.0, "Serial": "168", "RTC": "2023-08-17T02:17:14", "Message": "80000003180E2410F40061011517081102110E", "Battery": 5.0 }
2	80000003	2023/08/17 10:18:56	{ "IMEI": "652284907900350", "SN": "80000003", "TagStatus": "00011000", "VBV": 3.62, "V": 4.34, "A": 0.097, "Switch": 0, "Rssi": -64.0, "Serial": "5", "RTC": "2023-08-17T02:17:14", }