



# RAK2171X WisNode TrackIt Set User Guide

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**RAK2171X WisNode TrackIt Set**



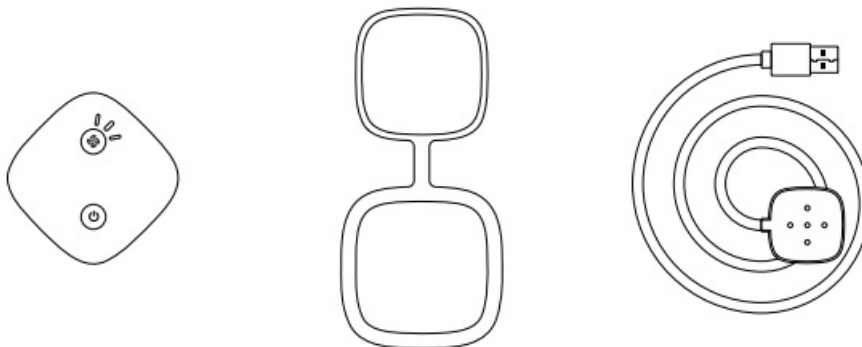
## Welcome to WisNode Tracklist!

### Track your most precious assets with WisNode Tracklist.

Place it on your vehicle, luggage, and even on your keys, and they are on your radar in the WisNode Tracklist app. The latest in GPS and LoRa® technologies help you to create your own private network and also allow you to join existing LORaWAN® networks to find your Tracklist device and share it to the cloud. In addition, WisNode Tracklist features an off-grid messenger to stay in continuous touch with your asset.

- The LoRa mark is a trademark of Semtech Corporation or its subsidiaries.
- LoRaWAN is a mark used under license from the LoRa Alliance

## Contents



- WisNode Tracklist
- Protective silicon cases
- Charging cables

## Important!

- Do not immerse the device in water or other liquids
- Do not strike, throw or put pressure on the device
- Always use the charger that comes with your device, or optionally a compatible charging adapter
- Do not leave the device in direct sunlight or wet environments for long periods
- The case design might be different from the case shipped to you.

## Getting Started

1. Download and install the WisNode Tracklist app on your phone from Google Play or Apple App Store.
2. Sign in with your RAK ID or sign up for a new RAK ID if you don't have an account already.
3. Once you're signed in, enable the Bluetooth function on your phone.
4. Power on the Tracklist device by holding down the Power button for at least 3 seconds. Next, press the Function button to see a flash on the device. The flash confirms the device is switched on and working correctly.
5. Start the pairing procedure on your phone to add the Trackit device.
6. Do not move your phone away from the device during the pairing process.
7. Upon successful pairing, start tracking the device on the app.

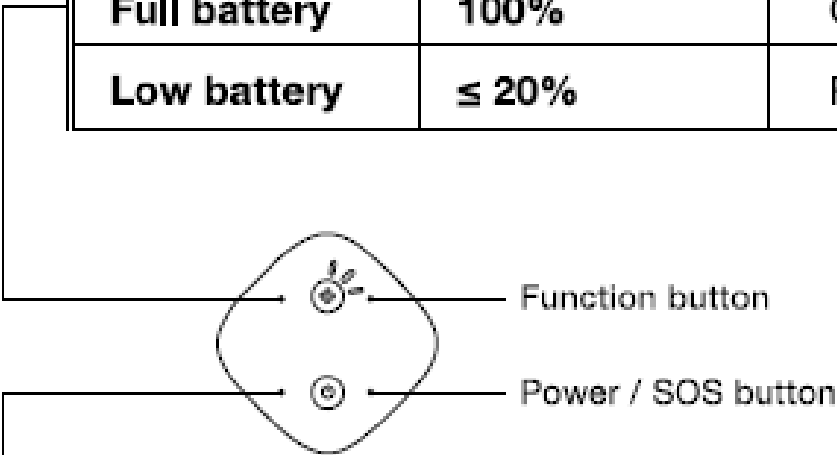
- The Bluetooth word mark and logos are registered trademarks owned by Bluetooth SIG, Inc.

## Product Specifications

Light	LED
<b>Bluetooth</b>	Bluetooth 4.2
<b>Positioning</b>	GPS/GLONASS
<b>Sensor</b>	Six-axis (Gyro + Accelerator)
<b>Battery</b>	400mAh
<b>Charging Port</b>	Contact charging point
<b>Transmitted Power</b>	Peak <b>MAX</b> 1W
<b>Battery</b>	Lithium Battery
<b>Weight</b>	25g
<b>Dimensions</b>	42mm*42mm*18mm
<b>Temperature</b>	Charging Temperature: 10-45 °C
	Operation Temperature: -20-60 °C
<b>Operating Range</b>	Urban (crowded places) – up to 1-3 KM
	Populated Rural – up to 5-6 KM
	Rural open spaces – up to 10 KM
<b>Waterproof</b>	IP65

Button Function List

<b>Charging</b>	<b>Charging</b>	Blue breath
<b>Full battery</b>	<b>100%</b>	Green light
<b>Low battery</b>	<b>≤ 20%</b>	Red light



Function button

Power / SOS button

<b>Power on</b>	Press and hold for 3 seconds	Red
<b>Power off</b>		
<b>Send SOS</b>	Click 5 times	Red flash on
<b>Cancel SOS</b>		Red flash off

Help and Support

Should you have questions or concerns regarding the device, usage, safety, or maintenance, you can reach for help and support from the app’s menu.

**Correct disposal of this product**

This marking indicates that this product should not be disposed of with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmentally safe recycling.

Warnings!

- For your safety, do not use the device on the plane, near hospitals, pacemakers, or any other areas/times that restrict the use of electronic devices.
- Do not use gas stations or any other dangerous environments (areas that might contain inflammable gas, gunpowder, or other flammable substances).
- Do not use in areas/times that restrict wireless electronic products.
- Immediately stop using the product if you see smoke, unusual smell, or heat, or find anything unusual about the device’s state.
- Do not open the device. Do not modify, alter, reverse engineer, tamper with, or repair the device.

## Battery Warnings

- Disposal of a battery into a fire or a hot oven, or mechanically crushing or cutting a battery can result in an explosion
- Leaving a battery in an extremely high-temperature environment can result in an explosion or leakage of flammable liquid or gas
- the battery in an extremely low air pressure environment can result in an explosion or leakage of flammable liquid or gas leakage.

## Simplified EU Declaration of Conformity

### Model: RAK2171

Manufacturer: Shenzhen RAKwireless Technology Co., Ltd. Room 506, Building B, New Compark, Pingshan First Road, Taoyuan Street, Nanshan District, Shenzhen, Guangdong, China

### Economic operators for EU

Company	Address
Allnet	Mar. 2, Munich 82110 Germering, Germany
Marcom SAL (marcomweb)	Via Della Metallurgia 11, 37139 Verona, Italy

### • Metavurt Ltd

- 1st Floor Tuspark Newcastle 27 Grainger Street
- NE1 5JE Newcastle upon Tyne UK

Hereby, Shenzhen RAKwireless Technology Co., Ltd declares that the radio equipment type RAK2171 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <https://rakwireless.com/RAK2171-CE>

## FCC Compliance

This product complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This product may not cause harmful interference, and (2) this product must accept any interference received, including interference that may cause undesired operation.

**Note:** This product 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 product 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 product does cause harmful interference to radio or television reception, which can be determined by turning the product 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 the receiver. Connect the equipment to a socket on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help. Pursuant to Section 15.21 of the FCC rules, changes or modifications to a product by the user that are not expressly approved by the party responsible for compliance could void the user's authority to operate the product. The product meets the FCC Radio Frequency Emission Guidelines and is certified with the FCC under the FCC ID number found on the device.

## ISED Certification

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science, and Economic Development Canada's

**license-exempt RSS(s). Operation is subject to the following two conditions:**

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

This Class B digital apparatus complies with Canadian ICES-003 Ce dispositif contient des émetteurs exonérés de permis(s)/récepteurs qui sont conformes aux RSS (s) exemptés de licence du Canada. L'opération est SOumise aux deux conditions suivantes: 1. Cet appareil peut ne pas causer d'interférences. 2. Ce dispositif doit accepter toute interférence, y compris les interférences qui peuvent provoquer un fonctionnement indésirable del'appareil.

**RSS-102 Statement:**

This equipment complies with Innovation, Science and Economic Development Canada's radiation exposure limits set forth for an uncontrolled environment. Cet équipement est conforme aux limites d'exposition aux rayonnements de Développement économique Canada pour l'innovation, les sciences et le développement économique établies dans un environnement incontrôlé. "

- **Operating frequency range: 863-870MHz**
- **Max. output power: 14dBm**
- **Operating frequency range: 2402-2480MHz**
- **Max. output power: 10 dBm**
- **Room 506, Building B, New Compark, Pingshan First Road,**
- **Taoyuan Street, Nanshan District, Shenzhen, Guangdong, China**
- **news.**
- **store.**
- **@RAKwireless**
- **[www.RAKwireless.com](http://www.RAKwireless.com)**
- **docs.**
- **forum.**

The SAR limit of USA/Canada is 1.6 W/kg averaged over one gram of tissue. This device has also been tested against this SAR limit. The highest SAR value reported under this standard during product certification is 0.34W/kg when properly worn on the body and 0.44W/kg when properly worn on the extremity. To maintain compliance with RF exposure requirements, use accessories that maintain a 5mm separation distance between the user's body. The use of belt clips, holsters and similar accessories should not contain metallic components in their assembly. The use of accessories that do not satisfy these requirements may not comply with RF exposure requirements and should be avoided. La limite de R – S pour les États – Unis et le Canada est de 1,6 W / kg en moyenne par gramme de tissu. L'appareil a également été testé conformément à cette limite SAR. Au cours de la certification du produit, les valeurs SAR maximales déclarées conformément à la présente norme sont de 0,34w / kg (lorsqu'elles sont portées correctement sur le corps) et de 0,44w / kg (lorsqu'elles sont portées correctement sur les membres). Pour maintenir la conformité à l'exposition aux radiofréquences, utilisez un accessoire qui maintient un espacement de 5 mm entre le corps de l'utilisateur et l'arrière du téléphone. Lors de l'utilisation de pinces de ceinture de sécurité, de manchons de canon et d'accessoires similaires, leur assemblage ne doit pas contenir de pièces métalliques. L'utilisation d'accessoires qui ne satisfont pas à ces exigences peut ne pas satisfaire aux exigences en matière d'exposition aux radiofréquences et doit être évitée.

**Documents / Resources**

 Quick Start Guide  封面 快速入门指南 快速入门指南 Powered by RAK	<a href="#">RAK RAK2171X WisNode TrackIt Set</a> [pdf] User Guide RAK2171X, 2AF6B-RAK2171X, 2AF6BRAK2171X, RAK2171X WisNode TrackIt Set, RAK2171X, WisNode TrackIt Set, TrackIt Set
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