

UT-206-Z User Manual



AT	BE	CY	CZ	DK	EE	FI
FR	DE	EL	HU	IE	IT	LV
LT	LU	MT	NL	PL	PT	SK
SI	ES	SE	UK	BG	RO	HR

Content

2M-Ranger Quick UserGuide.....	1
1 System Application structure.....	3
2 Bracelet	3
2.1 Bracelet BasicInformation.....	3
2.2 LED Description	4
2.3 Strap	4
2.4 Enter Test Mode & Warning Mode	5
2.5 Non-range Mode (Manager Access)	5
2.6 Whitelist.....	5
2.7 Low-power Alert	6
2.8 Bracelet Charging	6
2.9 Submit Records.....	7
3 Bracelet Daily operation	7
4 Contact information for after-sales technical support	7

1 System Application structure

Description: Social distancing system is to measure distance between tags. When two or more tags come in within 2metres, tags will have vibration alerts and data will be recorded. Event data will be transfer to the server for analyze when the tag is within the gateway range.



Wrist tag: To be worn by staffs

Gateway: Event data collection & transfer to serve

2 Bracelet

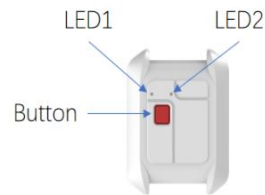
2.1 Bracelet Basic Information

Bracelet Specifications

Description	Mode;	Battery	Power for EU	Working Time	Warning Distance
Social Distancing Bracelet	UT-206-Z	520mA	-2.4 dBm/50MHz	12h	100~500cm adjustable Default: 200cm

External Interface	Dimensions	Weight (g)	RF frequency	Protection Rating	Working Temperature	Charging Voltage
4PINMagnetic Interface Charging	51*40*19.6mm	27.9	6.24~6.74GHz	IP67	-20~65℃	5v

2.2 LED Description



LED1 Power indication, Red LED blink when battery is 30%, need charging. Blue LED when charging, Green LED when fully charged.

As shown below:

Off Mode	Test Mode	Low Battery	Charging	Fully charged
				
No Light	Green Blink	Red blink	Blue	Green

2.3 Strap

a) How to tighten the strap

Lift and pull the strap until desired size. As shown below:



2.4 Enter Test Mode & Warning Mode



LED2 Green Blink

Press and Hold BUTTON for 3sec, LED2 Green light turns ON. Recommended working hours ≤ 10 hr.
LED indication: LED2 Green Blink.

2.5 Non-range Mode (Manager Access)



LED2 Green Blink



Not bright

Unable to power off when bracelet in working mode. Can set to non-range mode to stop vibration alert or extended standby time.

Instructions: Press Red BUTTON once, interval 1sec, then press and hold for 3sec, till LED2 Green Light Blink slowly.

Now bracelet ONLY collect and transfer data. No ranging. No vibration.

LED indication: Transferring of data, LED2 Green blink slowly. After data transferred completed, LED2 light will off.

2.6 Whitelist

Press and Hold two or more bracelets for 3sec within the alert range to set whitelist. The bracelets will not have alert within 1hr after whitelisting. After 1hr, bracelets will resume back to working mode.

2.7 Low-power Alert



Red blink

LED indication when battery power $\leq 30\%$: LED1 RED blink.

When Low Batt Alert, it is recommend to go into the gateway range to transfer the data within 30 mins.。

Please take note: Data may be lost due to NO BATT.

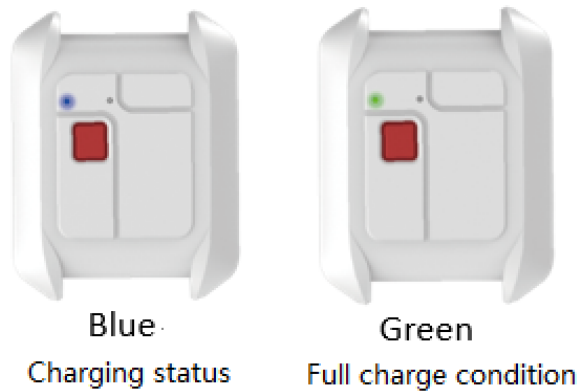
2.8 Bracelet Charging

a) Charging:

Connect the charging cable's magnetic interface to the bracelet interface.



b) LED during Charging



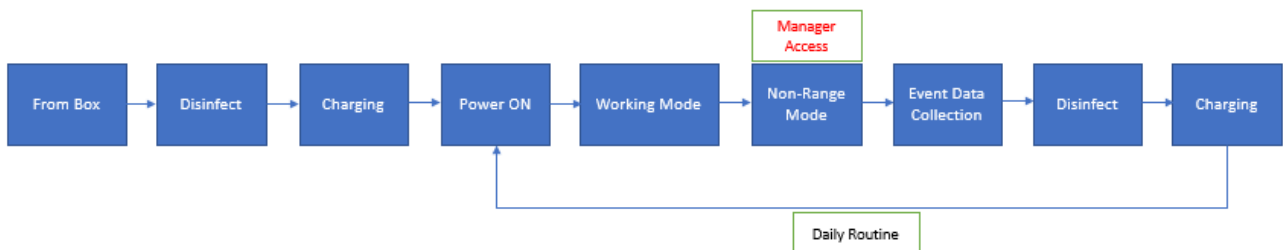
Bracelet full charge takes 2~3hrs.

2.9 Submit Records

Event data will be transfer when bracelet and gateway is near. Gateway will transfer the data to server. Recommended distance between bracelet and gateway for data transfer $\leq 5m$.

3 Bracelet Daily operation

Bracelet Daily Operation:



4 Contact information for after-sales technical support

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5 Notation

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. 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.

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.

Note: The operators should cease operation when the harmful Interference occurs to other users.

RF Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This device may not be employed for the operation onboard an aircraft, a ship or a satellite is prohibited.