

Bluetooth Road-spike BT-102



TBIT Bluetooth Road-spike is intelligent terminal used for sharing bike or sharing e-bike. It has accurate positioning technology, Bluetooth communication and further-optimized electronic fence positioning technology. It can be used to provide sharing bike or sharing e-bike parking area planning and suggestions to government departments based on the massive travel big data, which can solve the problems of inaccurate GPS positioning and parking disorder.

Functions:

- Parking at fixed points
- Solar charging
- Site identification
- Extra long standby
- OTA upgrade

SPECIFICATIONS:

Unity machine parameters	
Dimension	Length, width and height: (107.5±0.15)mm × (97.76±0.15)mm × (20.7±0.15)mm
Input voltage range	Supported broad voltage input: V-3V 0.9
Internal battery	Rechargeable nickel-cadmium batteries:
Power dissipation	<1.5mA
Waterproof and dustproof	IP68

performance	
Working temperature	-20 °C ~ +70 °C
Working humidity	20 ~ 95%

Bluetooth parameters	
Bluetooth Version	BLE4.1
Receiving sensitivity	-90dBm
Bluetooth broadcast distance	Open areas for 2 meters (about 1 meter if it is installed in vehicles)

Functional Description

Function list	Features
Parking at fixed points	Bluetooth Road-spike transmit Bluetooth signal, the e-bike receives the Bluetooth information broadcast by the Bluetooth Road-spike.Only after receiving the Bluetooth information of the Road-spike, it allowed to return the e-bike, otherwise it is considered that the e-bike is not allowed to return outside the site,the error is less than 2 meters.
Solar charging	Support solar charging, under standard light intensity, 2V150mA efficient solar panel, fast charging.
Site identification	The Road-spike supports a flashing light effect, which can identify the site at night.it is convenient for users to find the site to park, and turn it off when not in use.
Extra long standby	In the absence of light, the device can be used continuously for 2 months. The device can be used continuously for 5 years under the condition of light.