

# Bluetooth Road Stud BT-102



TBIT Bluetooth Road Stud is smart device used for sharing e-bike. It has accurate positioning technology, Bluetooth communication and further-optimized electronic fence positioning technology. It can be used to provide the government departments for plans and suggestions about sharing e-bike parking area. It's based on the massive data, which can solve the problems about inaccurate GPS positioning and parking disorder.

## Functions:

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

## SPECIFICATIONS:

Unity machine parameters	
<b>Dimension</b>	Length, width and height: (107.5±0.15)mm × (97.76±0.15)mm × (20.7±0.15)mm
<b>Input voltage range</b>	Supported broad voltage input: 0.9V-3V
<b>Internal battery</b>	Rechargeable nickel-cadmium batteries:1.2V, 2000mAh
<b>Power dissipation</b>	<1.5mA
<b>Level about waterproof and dust-proof</b>	IP68
<b>Working temperature</b>	-20 °C ~ +70 °C
<b>Working humidity</b>	20 ~ 95%

Bluetooth parameters	
<b>Bluetooth Version</b>	BLE4.1
<b>Receiving sensitivity</b>	-90dBm
<b>Bluetooth broadcast distance</b>	Open areas for 2 meters

## Functional Description:

Function list	Features
Parking at fixed points	Bluetooth Road Stud transmit Bluetooth signal, the e-bike receives the Bluetooth information broadcast by the Bluetooth Road Stud.Only after

	receiving the Bluetooth information of the Road Stud, 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 Stud 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.