

Smart gps tracker for Rental Bikes E-bikes Mopeds E-scooters

This [**smart gps tracker**](#) is newly designed for sharing bikes, rental electric bikes, electric mopeds and electric scooters.

The smart gps tracker is connected to mobile phone APP by Bluetooth, and mobile phone APP is connected to backend management system by 4G network, therefore, we could control the vehicles status and upload all the informations to server.

The functions of the product

- 1, GPS real-time positioning
- 2, 4G network remote control
- 3, Bluetooth communication
- 4, Vibration detection
- 5, Alarming: geo-fence, anti-theft alerts, lack of power alarm

NEW GPS TRACKER FOR BIKE/EBIKE



The new GPS device indicates the intelligent development of micromobility.

-  GEO fence alarm
-  Over speed alarm
-  Remote control power-off
-  Transmit GPS and send data
-  ACC detection



GEO fence Set Geo fence on phone APP

1

After installed,a GEO fence area can be set on the smartphone APP.
The vehicles are allowed to ride within a fixed area.If it exceeds the
range,the vehicle will be given a power-off command.

As shown below



OVER SPEED ALARM

2

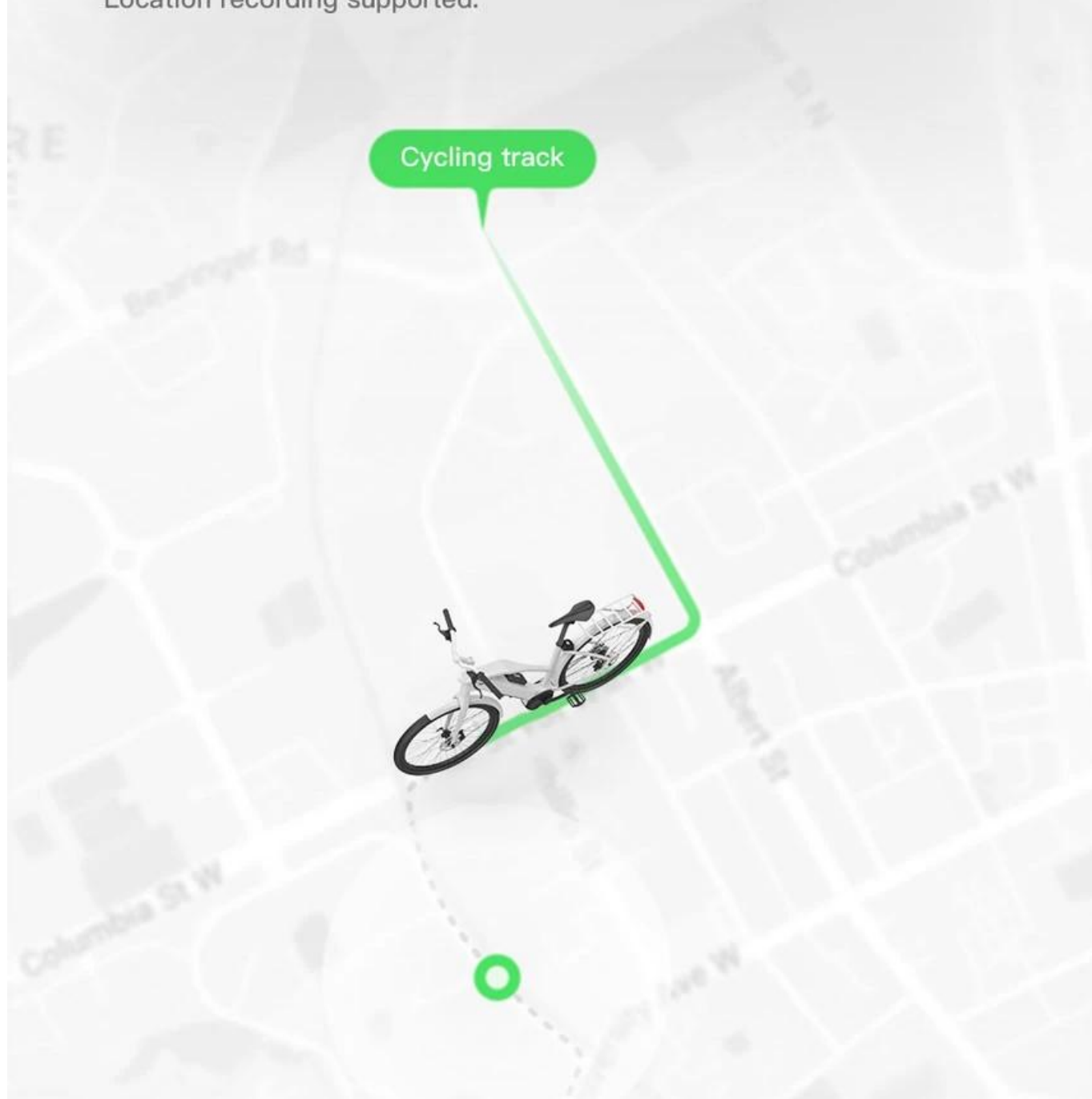
When the riding exceeds the speed limit, the rider receives an alarm and the data will be sent to the server.



HISTORIC TRACK AND PLAYBACK

3

Riders can track their historic route on smartphone APP.
Location recording supported.



Bike/ebike/moped ACC detection

4

The new gps tracker detects the starting state of the vehicles to prevent illegal riding.If there's vehicle failure,it will shut down normally.



More details:

Bluetooth version:BLE5.0

Receive sensitivity:-90dBm

Maximum communication distance: ≥ 10 meters (Open area, weather is sunny without shade.)

GPS performance:

Location: Support GPS, GLONASS, BeiDou, Galileo, WIFI assistant location system

Sensitivity: -158dBm

Starting time: cold startup less than 120 seconds, Warm startup less than 30 seconds,
(Open area, weather is sunny without, including coordination optimization)

Location precision: ≤ 15 meters

Location condition: Search satellites numbers ≥ 4 satellites and signal noise over 30dB

APPLICATION SCENARIO



Sharing bike/ebike



Sharing electric moped



Sharing scooter

