

OGB1 GPS+GPRS+Bluetooth Smart Bicycle Lock

1. User scans the QR code via phone on the bike or smart bicycle lock;
2. Bike sharing APP uploads lock ID number to the server;
3. Server will confirm the user information, account balance, lock state and other key information, the normal authority can unlock the smart bicycle lock;
4. Server issued an unlock command to the phone, while issuing an unlock command to the smart lock;
5. Unlock -please check the video for [how to unlock the smart bike lock](#);
6. GPS positioning, reporting real-time information of bikes and electric bikes;
7. Lock unlock the lock after the completion of the successful return to the server, the server began billing;
8. After the end of the ride, the user manually lock, the smart bike lock will upload the information to the service station, the end of billing and deduction;
9. The remote bike lock supports remote upgrade;
10. Through the wired and wireless way to collect the lock information and status, and regular reporting;
11. Program logic can be customized as per requirements.

Please click and check the video: [Omni Smart Bike Locks Factory Inspection and Packaging](#)

The smart bike locks are also suitable for e-bike sharing project, cargo bikes, some fat tire bikes and other types of rental e-bikes. The teamwork is including smart bike locks and bike sharing app or other sharing vehicles apps such as electric bike app.



GPS Positioning

Faster searching & locating speed
realizes more accurate bike locating



Powered by solar energy

Li-polymer rechargeable Battery
External Solar, Generator Hub & Lock
generator support



OTA

Easy to update the GPS lock remotely



Automatic & scan code to unlock

Automatic unlock, Lock by hand
Individual QR code



Stable & durable hardware

100,000 locking and unlocking tests
witness its stable performance



Efficient unlocking

GPRS/BLE technology ensures efficient
and reliable unlocking

Model	OGB1(A model)
Outside Size	196*150*65(+3mm)
Weight	1.2KG
Material	Al alloy shell, 10mm stainless steel circle, sealed plastic box inside
Unlock Method	Bluetooth + GPRS
Lock Method	Manual to lock
GPRS Band	GSM850Mhz, EGSM900Mhz, DCS1800Mhz, PCS1900Mhz
BLE Frequency	2402-2480Mhz
Battery	6000maH/ 8000mAh
External Power	Solar Penal
Power Consumption	2~3mA
Storage Temperature	-40°C to +85°C
Working Temperature	-20°C to +65°C
IP	IP67(completely dust-proof, rain-proof, soak 30min.)
Humidity	5%--95% non-condensing
LED Indicator[inside]	Red/ Blue

There's huge demand of bicycle-sharing system all over the world like city cycling, commercial and office building cycling,tourists attractions,hotel bikes, campus bikes, countryside cycling and local community cycling as well.



Campus Cycling



City Cycling



Commercial and Office Buildings



Countryside Sharing Bikes



Tourist Attractions

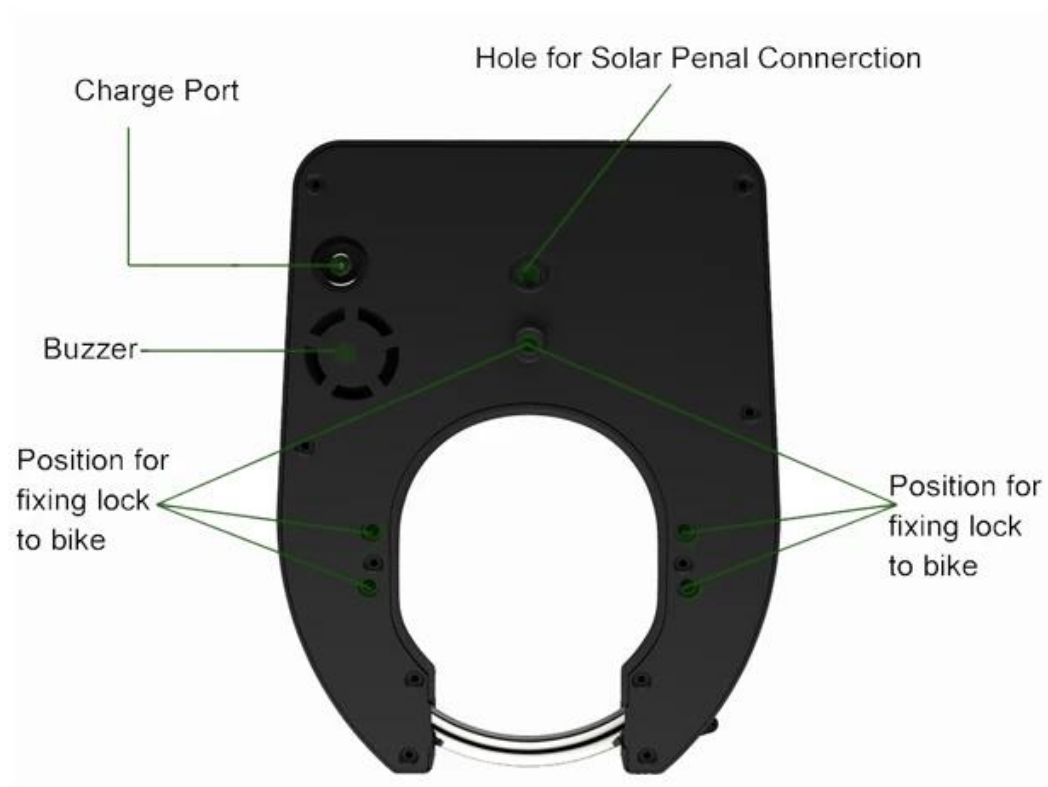


Hotels Bike



▼ Product Size





GPS+GPRS+BLE Smart Lock



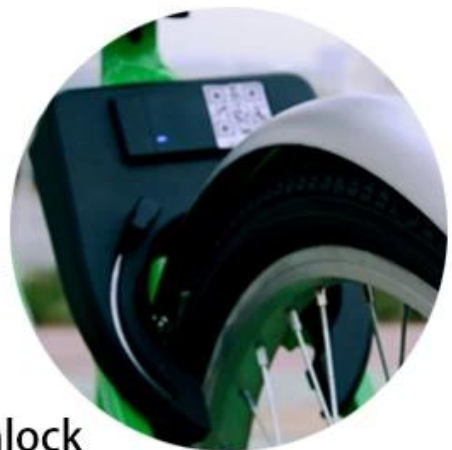


Step 1: User downland App
& Registration

Step 2: Search Bicycle



Step 3: Scan the QR code



Unlock

Operation Management System

