

Smart Electric Vehicle Product BT-320



BT-320 is a Bluetooth smart alarm device for e-bike. The device has many functions, such as electronic lock output/vibration detection/beep alarm/control the e-bike by APP/Lock/unlock with proximity sensor /mileage statistics/share the mobility data/shows the statistics about mobility/e-bike self inspection and other functions.

Functions:

- Lock/unlock with proximity sensor
- Support OTA
- One-button start
- Big data statistics
- Starting without the keys
- Support 433M remote controller(optional)

Specifications:

Parameter			
Dimension	(64.02±0.15)mm × (44.40±0.15)mm × (18.7±0.15)mm	Input voltage range	30V-72V
Waterproof level	IP65	Material	ABS+PC,V0 fire protection grade
Working humidity	20 ~ 85%	Working temperature	-20 °C ~ +70 °C
Bluetooth			
Bluetooth version	BLE4.1	Receiving sensitivity	-90dBm
Maximum receiving distance	30m, Open area		
433M(optional)			
Central Frequency Point	433.92MHz	Receiving sensitivity	-110dBm
Maximum receiving distance	30m, Open area		

Functional Description:

Function list	Features
Lock	In lock mode, if the device detects a vibration signal, it generates a vibration alarm.
Unlock	In unlock mode, device won't detect the vibration, but the wheel signal and the

	ACC signal are detected. No alarm will be generated.
Vibration detection	If there is a vibration, device would send out a vibration alarm, and buzzer speak-out.
Wheel rotation detection	The device supports the detection of wheel rotation. When the E-bike is in lock mode, the wheel rotation is detected and the alarm of wheel movement will be generated. At the same time, the e-bike won't be locked when the wheeling signal is detected.
ACC output	Provide power to the controller. Supports up to 2 A output.
ACC detection	The device supports detection of ACC signals. Real-time detection of the vehicle's power-on state.
Lock motor	The device send a command to the controller to lock the motor.
Buzzer	Used to operate the vehicle through the APP , the buzzer will sound a beep.
Mobile phone control E-bike	Docking smart E-bike steward, support mobile phone connection control e-bike lock, unlock, power on, search for e-bike and so on.
433M Remote(optional)	The 433M remote control can be used to remotely control the lock, unlock, start, and finding e-bike. Long press the remote control unlock button 1S to open the saddle lock.
External power detection	Battery voltage detection with an accuracy of 0.5V. Provided to the backstage as the standard for the cruising range of e-bikes.
Saddle(Seat) lock	Long press remote unlock button 1s, unlock seat lock.
Over speed alarm	When the speed exceeds 15km/h, the controller will send a high level signal to the device. When the device gets this signal, it will emit A 55-62db (A) sound.
One-click boot function	Support e-bike one-click start detection.