



SMART BLUETOOTH KEY & LOCK SYSTEM



Bluetooth Key



Bluetooth Encoder

Product Overview

With high performance ultra-low power ARM processor, the Bluetooth key communicates with mobile phones and Bluetooth encoders via Bluetooth function to issue key authorization information, collect operation logs, and receive real-time key status data.

The pocket size Bluetooth key has a built-in micro button, which activates the Bluetooth function and can be linked to the mobile application or PC software. The key can be used with various versions of the KMS software (KMS PROFESSIONAL, KMS ENTERPRISE, Android APP, IOS APP).

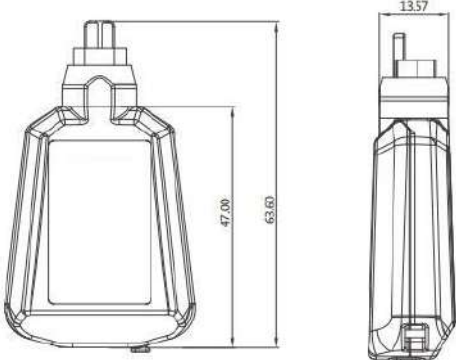
The system is cloud based. The system can also be set up to be in-premise whereby the encoding and decoding of key transactions will be done via a Bluetooth encoder.

Features

- The contact communication with the lock adopts contact two-way verification, and the communication process cannot be intercepted and copied
- The Bluetooth key uses AES 128 encryption to encrypt communication data between components to ensure that data communication cannot be compromised

- The NFC tag quickly activates the key function, and communication with the Smart phone and encoder in encryption mode
- The Bluetooth key receives power via the Micro-USB port for recharging and also upgrades firmware via the micro USB port
- Recharging of the key battery is carried out when the key automatically shows that the battery is low
- The key can record the angle and direction of the key rotation after unlocking, forming a specific locking and unlocking record

Technical Parameters

Basic parameters	
Size of key (Dimensions in mm) 6360 (overall height) x 4700 (body height) x 1357 (thickness)	
Weight	89 gm
Material	Meets UL94-V0 flame retardant requirements, plastic housing. Physical Fiberglass reinforced nylon, replaceable brass tip
Surface	Frosted
Environment parameters	
Use/transport/storage temperature conditions	-20°C ~ + 60°C
Use /transport /storage humidity conditions	20%~90%
Altitude condition	0-3000m
IP grade	IP 44
System Parameters	
No. of locks, time zones	Supports up to 60,000 JME Intelligent locks, 200 time zones
Unlocking log	3000 times

Distance between local encoder and Bluetooth key	<3cm
NFC communication distance	<3cm
1000 messages communicate with local encoder	About 80 seconds
Key verification drive duration	0.5s-1s
Electrical parameters	
Battery	180mAH
Operating Voltage	3.7V
Quiescent Current	<25uA
Type of battery	Lithium polymer battery
Charging times	1000 times (after 500 times, battery capacity weakens to 80%)
Full power life	Unlock 3000 times or communicate with Bluetooth 5 hours
Full power standby time	>90 days
Other parameters	
Indicator light	Pin light
Encryption Algorithm	AES128
Quality Certification	
Certificates	CE , RoHS , UL
Compatible Support	
Support interface	Local encoder, portable encoder and various Open SDK (software development kits)
Software (Key Management System)	KMS Lite , KMS Professional , KMS Enterprise

Locks



Locks supplied by JME for Bluetooth Key System: -

- Locker type locks: document cabinets, letter boxes, electrical switch boxes
- Euro profile locks: Data center server racks
- Locks with shank: containers, gates
- Riser door locks with euro profile
- Slam shut locks
- Many other lock designs (over 160 types)

System Components

- Bluetooth Key
- JME Intelligent Electronic Lock
- Smart phone
- Smart Bluetooth Key & Lock System Application
- Encoder (optional)

Highlights

- Key centric access control system. Key authorization via easy to use software
- No power required in the locks. Minimum maintenance. Ideal for retrofitting of locks
- No more worry about key duplication, loss of keys or stolen keys. Blacklisting feature. This feature is not available in mechanical keys
- Audit trail function
- Bluetooth function renders smart report on lock transactions

Applications



Transport and Logistics

Containers/Warehouses/
Depots/Checkpoints



Corporate Offices

Meeting Rooms/Cabinets/Server
Rooms



Telecom and Data Centres

Data Centre Racks



Security

Security Gates/Perimeter Fence Locks



Water Plants & Public Utility Facilities

Risers/Substations/Equipment
Storage/Hydro-electricity
Facilities/Water Storage Tanks



Postal and MRT

Postal mail boxes/MRT Junction
Boxes