

BSTUOKEY MJ03-TTLOCK

BSTUOKEY MJ03-TTLOCK Smart Access Control Keypad User Manual

Model: MJ03-TTLOCK (Without Fingerprint Function)

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your BSTUOKEY MJ03-TTLOCK Smart Access Control Keypad. This device is designed to enhance security and convenience for door access using multiple unlocking methods. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. PRODUCT OVERVIEW AND FEATURES

The BSTUOKEY MJ03-TTLOCK is a robust access control keypad offering various secure entry options. Key features include:

- **Multiple Unlocking Methods:** Supports password, RFID 13.56Mhz card, TTLOCK APP Bluetooth, and NFC unlocking.
- **High Level IP67 Waterproof:** Industrial-grade protection with a sealed structure, ensuring reliability in outdoor and harsh environments.
- **Intelligent TTLOCK APP:** Manage users, generate temporary passwords, view access records, and use your phone as a key.
- **Durable Construction:** Made from high-strength ABS engineering plastic and an acrylic panel, providing impact resistance, wear resistance, and scratch resistance.
- **Remote Door Opening (Optional):** When paired with a gateway (sold separately), remote unlocking and user management are possible.

MJ03 TTLock Access Control Machine



Image 2.1: The MJ03-TTLOCK keypad demonstrating its IP67 waterproof and dustproof capabilities.



Image 2.2: The robust ABS and acrylic panel construction of the MJ03-TTLOCK keypad.

3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1 x BSTUOKEY MJ03-TTLOCK Access Control Keypad
- 1 x User Manual (this document)
- 1 x Screw Accessories Kit
- 10 x 13.56Mhz RFID Keychains

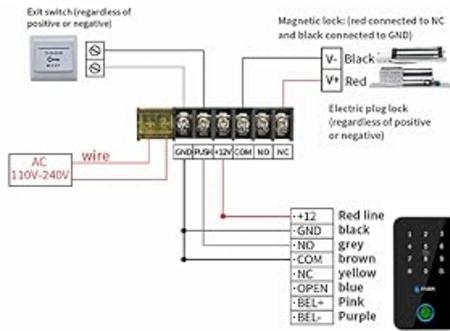


Image 3.1: Illustration of the product dimensions and a list of items included in the package.

4. SPECIFICATIONS

Feature	Specification
Model Number	MJ03-TTLOCK
Dimensions (L x W x H)	2.95 x 0.7 x 5.11 inches (75 x 18 x 130 mm)
Item Weight	6.6 pounds (approx. 3 Kilograms)
Material	Acrylic, Acrylonitrile Butadiene Styrene (ABS)
Operating Voltage	12 Volts
Operating Temperature	Up to 70 Degrees Celsius
Waterproof Rating	IP67
Batteries Required	No (Wired Power)

5. SETUP AND INSTALLATION

Proper installation is crucial for the functionality and security of your access control keypad. It is recommended that installation be performed by a qualified technician.

5.1 Wiring Diagram

Refer to the wiring diagram below for connecting the access control keypad to your power supply, electric lock, and exit switch. Ensure all connections are secure and correctly matched to prevent damage to the device or associated components.



Image 5.1: Detailed wiring diagram for the MJ03-TTLOCK access control system.

- **Power Supply:** Connect AC 110V-240V to the power module. The keypad requires a 12V DC input.
- **Magnetic Lock:** Red wire to NC (Normally Closed), Black wire to GND (Ground).
- **Electric Plug Lock:** Connect according to positive or negative requirements of your specific lock.
- **Exit Switch:** Connect to the designated terminals (regardless of positive or negative).
- **Keypad Connections:**
 - Red: +12V
 - Black: GND
 - Grey: NO (Normally Open)
 - Brown: COM (Common)
 - Yellow: NC (Normally Closed)
 - Blue: OPEN
 - Pink: BEL+ (Bell Positive)
 - Purple: BEL- (Bell Negative)

5.2 Mounting

Mount the keypad securely on a flat surface at a convenient height. Use the provided screw accessories. Ensure the mounting location allows for proper cable routing and is protected from direct impact.

6. OPERATING INSTRUCTIONS

The MJ03-TTLOCK keypad offers several methods for secure access.

6.1 TTLOCK APP Management

The TTLOCK app transforms your smartphone into a key and management tool. Download the TTLOCK app from your device's app store.

- **Pairing:** Follow the in-app instructions to pair your keypad via Bluetooth.
- **User Management:** Add, modify, or delete users and their access credentials (passwords, cards).
- **Access Records:** View real-time door opening records, including who, when, and how the door was opened.
- **Remote Unlocking (with Gateway):** If an optional gateway is installed and paired, you can unlock the door remotely from anywhere with an internet connection.



Image 6.1: Managing the access control keypad using the TTLOCK mobile application.



Image 6.2: Remote door opening capability with an optional gateway and the TTLOCK app.

6.2 Password Unlocking

The keypad supports various password types for flexible access control.

- **Single Password:** A one-time use password, ideal for temporary visitors or service personnel.
- **Time-Limited Password:** Valid for unlimited use within a specified time range (e.g., specific hours on certain days).
- **Cyclic Password:** Allows usage within a recurring period, such as specific days of the week.
- **Forever Password:** Permanent access password. Administrators can delete it via the app at any time.

All password types can be generated and managed through the TTLOCK app. The keypad supports up to 250 sets of custom and permanent passwords.



Image 6.3: Setting time-sensitive passwords via the TTLOCK app.

6.3 RFID Card Unlocking

Use the provided 13.56Mhz RFID cards or keychains for quick and convenient access. The system supports a capacity of 1000 card swipes.

- **Adding Cards:** Cards are added and managed through the TTLOCK app.
- **Unlocking:** Simply present the RFID card or keychain to the designated reader area on the keypad to unlock the door.



Image 6.4: Unlocking the door using an RFID card or keychain.

6.4 NFC Unlocking

The keypad supports NFC unlocking. Ensure your smartphone or NFC-enabled device is configured with the TTLOCK app and NFC functionality is enabled. Present your device to the keypad's NFC reader area to unlock.

6.5 Normally Open Mode

This mode allows the door to remain unlocked for specified periods, providing convenient access during business hours or events. Multiple normally open time periods can be set via the TTLOCK app.



Image 6.5: Configuring 'Normally Open Mode' and time periods in the TTLOCK app.

7. MAINTENANCE

To ensure the longevity and optimal performance of your BSTUOKEY MJ03-TTLOCK keypad, follow these maintenance guidelines:

- **Cleaning:** Wipe the keypad surface with a soft, damp cloth. Avoid abrasive cleaners, solvents, or harsh chemicals that could damage the acrylic panel or housing.
- **Inspection:** Periodically check for any signs of physical damage or loose connections.
- **Software Updates:** Keep the TTLOCK app updated to the latest version to benefit from new features and security enhancements.
- **Environmental Protection:** While the device is IP67 rated, avoid prolonged submersion or exposure to extreme conditions beyond its specified operating temperature.

8. TROUBLESHOOTING

If you encounter issues with your access control keypad, refer to the following common problems and solutions:

- **Keypad Not Responding:**
 - Check power connections to ensure the device is receiving 12V DC power.
 - Verify that the power supply is functioning correctly.
- **Door Not Unlocking:**
 - Ensure the entered password or RFID card is correct and authorized.
 - Check the wiring to the electric lock. Ensure it is securely connected and the lock itself is functional.
 - If using the app, verify Bluetooth connection or gateway status for remote unlocking.
- **TTLOCK App Connection Issues:**

- Ensure Bluetooth is enabled on your smartphone and you are within range of the keypad.
- Restart the TTLOCK app or your smartphone.
- If using a gateway, check its power and internet connection.

- **RFID Card Not Recognized:**

- Ensure the card is correctly registered in the TTLOCK app.
- Present the card firmly and directly to the reader area.

For persistent issues, contact customer support for further assistance.

9. SAFETY INFORMATION

Please observe the following safety precautions:

- Do not attempt to disassemble or repair the device yourself. Refer all servicing to qualified personnel.
- Ensure the power supply is disconnected before performing any wiring or maintenance.
- Keep the device away from strong magnetic fields to avoid interference.
- This device is designed for access control and should be integrated into a comprehensive security system as appropriate.

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact BSTUOKEY customer service through their official channels. Keep your purchase receipt as proof of purchase.