COMMAX CDL-400M

COMMAX Smart Digital Door Lock CDL-400M User Manual

Model: CDL-400M | Brand: COMMAX

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your COMMAX Smart Digital Door Lock CDL-400M. Please read this manual thoroughly before using the product to ensure proper function and safety.

The CDL-400M is a sophisticated digital door lock designed for enhanced security and convenience, featuring multiple access methods and robust construction.

2. PRODUCT FEATURES

- **2-Way Access Methods:** Supports both RF Card and PIN number for unlocking.
- **Durable Construction:** Features a robust body made from metal materials for enhanced durability.
- **Automatic Locking:** Includes automatic lock, re-lock, and double lock functions for added security.
- **Secure PIN Entry:** Allows the use of dummy numbers with your PIN to prevent exposure.
- **Multi-Registration:** Supports registration of multiple PIN numbers and electronic keys.
- **Volume Control:** Multiple volume control options, including a mute function.
- **Emergency Power:** Equipped with an emergency power terminal for a 9V square battery in case of main battery depletion.
- **Advanced Security:** Features anti-high voltage and anti-hacking systems.
- **Remote Control Compatibility:** Supports home networking with a remote controller (for CDL-400M models).
- **Sleek Design:** Modern edge design for aesthetic appeal.

3. PRODUCT SPECIFICATIONS

Feature	Detail
Brand	COMMAX

Model	CDL-400M
Lock Type	Electronic Lock
Material	Metal
Style	Anti-fireproof type
Shape	Rectangular
Access Methods	PIN Number (4-12 digits, max 4 PINs), RF Card (max 30 keys), Emergency Key
Dimensions (W x H x D)	80mm x 230mm x 63mm

4. SETUP AND INSTALLATION

Professional installation is recommended for optimal performance and security. Ensure all components are present before beginning installation.

4.1 Package Contents

Verify that your package contains the following items:

- Main body (front and rear assemblies)
- Mortise lock
- Strike plate and strike box
- RF Cards (quantity may vary)
- Installation screws and accessories
- User Manual

4.2 Battery Installation

1. Open the battery cover on the indoor unit.
2. Insert the specified number of AA alkaline batteries, ensuring correct polarity.
3. Close the battery cover securely.

4.3 Initial PIN Code Registration

1. Press the registration button on the indoor unit.
2. Enter your desired 4-12 digit PIN code on the keypad.
3. Press the '*' button to confirm.
4. Repeat the PIN code entry and '*' button press to finalize registration.

4.4 RF Card Registration

1. Press the registration button.
2. Place your registered RF card on the card reader area until a confirmation sound is heard.
3. Repeat for all cards you wish to register (up to 30 cards).
4. Press the registration button again to exit registration mode.

Figure 4.1: Front view of the COMMAX CDL-400M digital door lock, displaying the numeric keypad and the integrated handle. The 'CARD' icon is visible below the keypad, indicating the RF card reader area.

Figure 4.2: An angled perspective of the COMMAX CDL-400M digital door lock, highlighting its slim and modern profile when viewed from the side.

5. OPERATING INSTRUCTIONS

5.1 Unlocking from Outside

Using PIN Number:

1. Touch the keypad to activate it.
2. Enter your registered PIN number.
3. Press the '*' button. The lock will unlock.

Using RF Card:

1. Place your registered RF card on the card reader area.
2. The lock will unlock automatically.

5.2 Locking from Outside

The lock will automatically engage after the door is closed. You can also manually lock by pressing the '#' button on the keypad.

5.3 Unlocking/Locking from Inside

Simply push down or pull up the handle to unlock or lock the door from the inside.

Figure 5.1: A promotional image illustrating the various access methods of the COMMAX CDL-400M, including card key and PIN number, along with an icon for optional video phone interlock.

Figure 5.2: The COMMAX CDL-400M digital door lock as installed on a door, demonstrating its integrated appearance and how it fits into a typical door setup.

6. MAINTENANCE

Regular maintenance ensures the longevity and proper functioning of your digital door lock.

- **Cleaning:** Wipe the lock surface with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **Battery Replacement:** Replace all batteries when the low battery indicator appears or when the lock starts making low battery warning sounds. Do not mix old and new batteries.
- **Handle Check:** Periodically check the handle for any looseness and tighten screws if necessary.

7. TROUBLESHOOTING

If you encounter issues with your COMMAX CDL-400M, refer to the following common problems and

solutions:

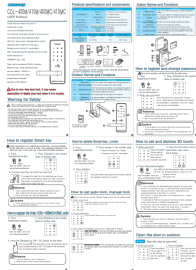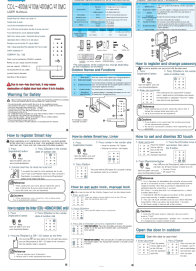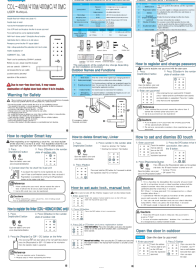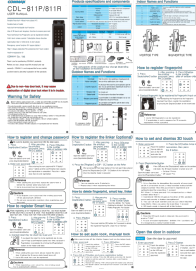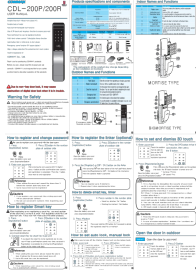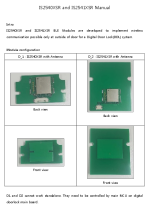| Problem	Possible Cause	Solution
Lock does not respond.	Dead batteries.	Replace all batteries. Use a 9V square battery for emergency power if needed.
PIN code not working.	Incorrect PIN entered; PIN not registered.	Ensure correct PIN. Re-register PIN if necessary.
RF card not working.	Card not registered; Card damaged.	Re-register card. Try another registered card.
Lock makes unusual sounds.	Mechanical obstruction; Loose components.	Check for obstructions around the latch/bolt. Contact customer support if sounds persist.

8. SAFETY INFORMATION

- Do not expose the lock to direct water or excessive humidity.
- Avoid strong impacts or dropping the lock.
- Do not attempt to disassemble or repair the lock yourself. Contact qualified service personnel.
- Keep batteries out of reach of children.
- In case of fire, the anti-fireproof design provides enhanced resistance, but always prioritize personal safety.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please contact your local COMMAX distributor or the point of purchase. Keep your purchase receipt as proof of purchase.

For further assistance, visit the official COMMAX website or refer to the contact information provided with your product packaging.

Related Documents - CDL-400M

[COMMAX CDL-400M/410M Series Digital Door Lock User Manual](#)

Comprehensive user manual for the COMMAX CDL-400M, CDL-410M, CDL-400MC, and CDL-410MC digital door locks, covering product features, specifications, operation, and safety. Learn how to register passwords, smart keys, set auto locks, and utilize advanced security features.

[COMMAX CDL-400M/410M/400MC/410MC User Manual](#)

User manual for COMMAX CDL-400M/410M/400MC/410MC digital door locks, covering features, installation, operation, and troubleshooting.

[COMMAX CDL-400M/410M/400MC/410MC User Manual](#)

User manual for COMMAX CDL-400M, CDL-410M, CDL-400MC, and CDL-410M digital door locks. Covers features, installation, operation, and troubleshooting.

[COMMAX CDL-811P/811R Digital Door Lock User Manual](#)

Comprehensive user manual for the COMMAX CDL-811P and CDL-811R digital door locks, detailing features, operation, registration of fingerprints, smart keys, and passwords, security functions, and troubleshooting guidance.

[COMMAX CDL-200P/200R Digital Door Lock User Manual](#)

Comprehensive user manual for the COMMAX CDL-200P/200R digital door lock, covering installation, operation, features, and troubleshooting.

Intro
IS2540XSR and IS2541XSR BLE Modules are developed to implement wireless communication possible only at outside of door for a Digital Door Lock(DDL) system.

Wireless configuration

D_1 IS2540XSR with Antenna	D_2 IS2541XSR with Antenna
Back view	Back view
Front view	Front view

D1 and D2 cannot work standalone. They need to be controlled by main MCU or digital doorlock main board.

IS2540XSR and IS2541XSR BLE Modules for Digital Door Locks

This document provides an overview and connection guide for the IS2540XSR and IS2541XSR BLE Modules, designed for wireless communication in Digital Door Lock systems.