

Midea FDA21PD

Midea SMARTLOCK ONEGRIP FDA21PD Digital Lock User Manual

Model: FDA21PD

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1. SETUP AND INSTALLATION

This section provides instructions for the physical installation and initial configuration of your Midea SMARTLOCK ONEGRIP FDA21PD Digital Lock.

1.1 Package Contents

Before beginning installation, verify that all components are present:

- Digital lock assembly (exterior and interior units)
- 2 Mechanical keys
- 2 Hex wrenches
- Door buckle
- 10 Screws of various sizes
- 2 Pins for fastening
- Square door axis connecting knobs
- Door drilling diagram
- User manual (this document)

1.2 Door Preparation

The Midea SMARTLOCK ONEGRIP FDA21PD is designed for doors with a thickness between 35mm and 50mm. Use the provided door drilling diagram to prepare your door for installation. Accurate drilling is crucial for proper lock function.



Image: Side view of the Midea SmartLock OneGrip FDA21PD, illustrating the mechanical key slot and the internal mechanism. This view is helpful during installation to understand component placement.

1.3 Lock Assembly and Installation

1. Install the mortise lock into the door edge.
2. Attach the exterior unit of the lock, ensuring the spindle passes through the mortise.
3. Connect the interior unit, aligning it with the exterior unit and securing it with the provided screws.
4. Install the door buckle on the door frame.

1.4 Battery Installation

The lock requires 4 AA batteries (not included). Locate the battery compartment on the interior unit, insert the batteries according to the polarity indicators, and close the compartment cover. The lock will emit a voice prompt upon successful power-up.

1.5 Initial Configuration

Upon first power-up, the lock will guide you through initial setup via voice prompts. This typically involves setting an administrator password and registering the first fingerprint. Refer to the 'Operating Instructions' section for detailed steps on adding users.

2. OPERATING INSTRUCTIONS

This section details the various methods for operating your Midea SMARTLOCK ONEGRIP FDA21PD Digital Lock.

2.1 Access Methods

The lock supports multiple access methods for convenience and security:

- **Biometric Access (Fingerprint):** Register up to 50 unique fingerprints. To unlock, place a registered finger on the sensor.
- **Keypad Access (Password):** Register up to 25 unique passwords. To unlock, enter your password on the modern touch screen number keyboard followed by the '#' key.
- **Mechanical Key:** In case of battery depletion or electronic malfunction, use one of the two provided mechanical keys to unlock the door. The key slot is located at the bottom of the exterior unit.



Image: A user interacting with the Midea SmartLock OneGrip FDA21PD's touch screen keypad. This demonstrates the primary method for password entry.

2.2 Adding/Deleting Users

Follow the voice guide prompts to add or delete fingerprints and passwords. This process typically requires administrator authentication.

- **To Add a Fingerprint:** Access the administration menu, select 'Add Fingerprint', and follow the instructions to scan the finger multiple times.
- **To Add a Password:** Access the administration menu, select 'Add Password', and enter the desired

password twice.

- **To Delete Users:** Access the administration menu, select 'Delete User', and choose the specific fingerprint or password to remove.

2.3 Security Features

- **Anti-Vandalism Function:** The lock is designed to resist tampering attempts.
- **Anti-Spy Function:** Allows you to enter random digits before or after your actual password to prevent onlookers from discerning your code.
- **Automatic Lock:** The lock will automatically engage after a set period once the door is closed.
- **Alarm System:** An alarm will sound in case of multiple incorrect access attempts or forced entry.

2.4 'Do Not Disturb' Function

Activate the 'Do Not Disturb' function from the interior unit to prevent external access attempts from triggering alarms or unlocking the door, providing enhanced privacy.

2.5 Voice Guide

The lock features an English voice guide to assist with setup, operation, and alerts.



Image: The Midea SmartLock OneGrip FDA21PD digital lock seamlessly integrated into a door, showcasing its sleek design and functional placement.

3. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your digital lock.

3.1 Battery Replacement

The lock provides a low battery warning. When this warning appears, replace all four AA batteries promptly. Use high-quality alkaline batteries for best performance. Refer to section 1.4 for battery installation instructions.

3.2 Cleaning

Clean the lock's exterior surfaces (Zinc Aluminum material) with a soft, dry cloth. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish and electronic components. Regularly wipe the fingerprint sensor and keypad to ensure accurate readings.

3.3 General Care

- Avoid exposing the lock to excessive moisture or direct sunlight for prolonged periods.
- Do not attempt to disassemble the lock beyond what is described in the installation instructions. Unauthorized disassembly may void the warranty.
- Keep mechanical keys in a safe, accessible location outside the property.

4. TROUBLESHOOTING

This section addresses common issues you might encounter with your Midea SMARTLOCK ONEGRIP FDA21PD Digital Lock.

4.1 Common Issues and Solutions

- **Lock not responding:**
 - Check battery level. Replace batteries if low.
 - Ensure the keypad is clean and free of debris.
 - Try using the mechanical key to confirm the lock mechanism is not jammed.
- **Fingerprint not recognized:**
 - Ensure your finger is clean and dry.
 - Place your finger firmly and completely on the sensor.
 - If issues persist, delete and re-register your fingerprint.
- **Password not working:**
 - Ensure you are entering the correct password followed by the '#' key.
 - Check if the anti-spy function is being used correctly.
 - If forgotten, an administrator can reset or add a new password.
- **Lock beeps continuously or alarm sounds:**

- This may indicate a low battery warning or a security alert (e.g., multiple incorrect attempts, forced entry).
- Check the voice guide for specific alert messages.
- Replace batteries if indicated.

4.2 Resetting the Lock

If you encounter persistent issues, a factory reset may be necessary. Refer to the detailed instructions in the full user manual or contact customer support for guidance on performing a factory reset, as this will erase all registered users and settings.

5. SPECIFICATIONS

Key technical specifications for the Midea SMARTLOCK ONEGRIP FDA21PD Digital Lock:

Feature	Specification
Brand	Midea
Model Name	Midea SmartLock One Grip
Part Number	FDA21PD
Lock Type	Biometric, Keypad
Special Feature	Digital
Material	Zinc Aluminum
Color	Black
Item Dimensions (L x W x H)	1.1 x 14.49 x 2.95 inches
Item Weight	6.38 pounds (2.9 Kilograms)
Door Thickness Compatibility	35-50mm
Fingerprint Capacity	Up to 50
Password Capacity	Up to 25
Power Source	4 x AA Batteries (not included)
Connectivity Protocol	Bluetooth
Control Method	Touch, Hand Control, Mechanical knob

6. WARRANTY & SUPPORT

For warranty information and customer support, please refer to the documentation included with your product or visit the official Midea website. You can also visit the [Midea Store on Amazon](#) for additional resources.

When contacting support, please have your product model number (FDA21PD) and purchase information readily available.

