COOLOUS F20

COOLOUS Smart Door Lock F20 Instruction Manual

Model: F20

1. PRODUCT OVERVIEW

The COOLOUS Smart Door Lock F20 combines multiple keyless entry methods for enhanced security and convenience. It features fingerprint recognition, passcode entry, emergency key access, and mobile application control via Tuya Bluetooth. Designed for easy installation, this lock is suitable for various applications including homes, apartments, and offices.
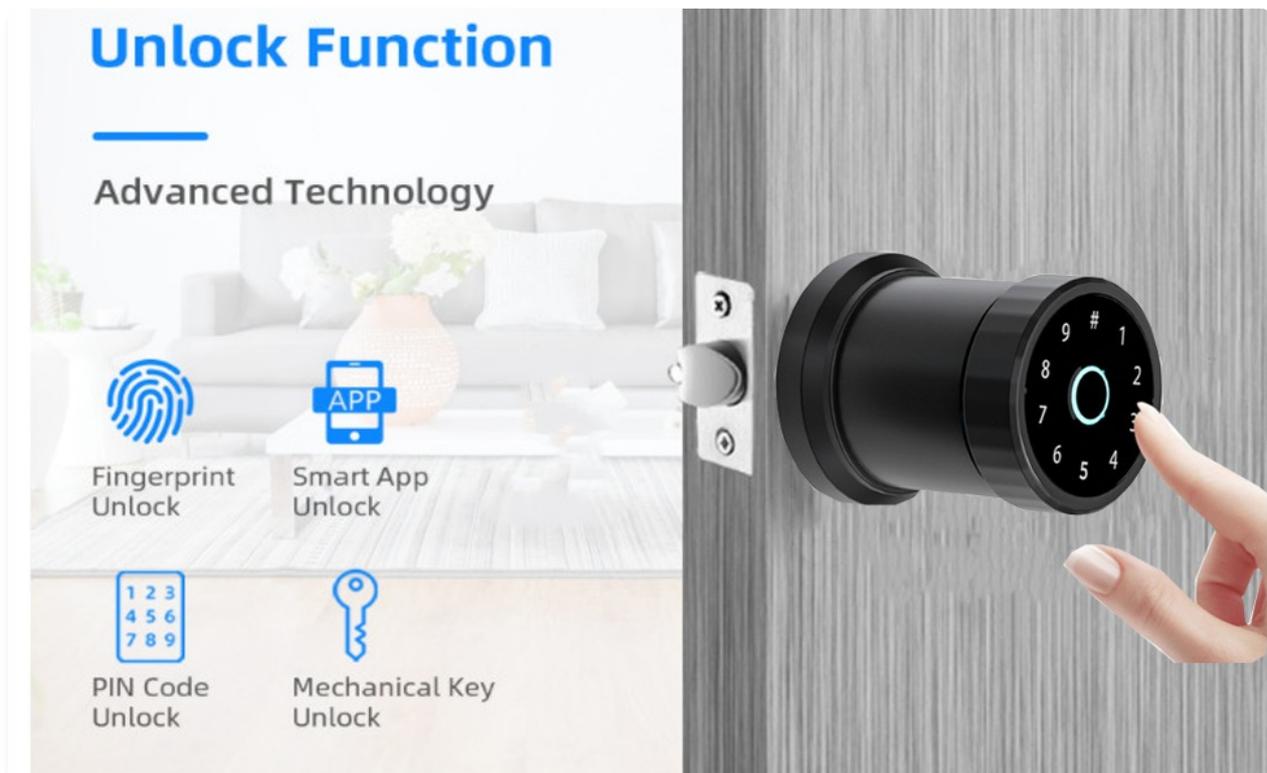

Figure 1: COOLOUS Smart Door Lock F20

Key Features:

- **Smart Lock Technology:** Combines 4 keyless entry methods: Fingerprint, Passcode, Emergency Key, and Mobile Application.
- **Highly Accurate Fingerprint Recognition:** Unlocks the door within 0.3 seconds, stores up to 120 unique fingerprints.
- **Enhanced Security:** Remote control, real-time access notifications, and access logs via the Tuya App. Includes an incorrect entry alarm.
- **Easy Installation:** Designed to replace existing deadbolts with minimal effort, requiring only a screwdriver and approximately 15 minutes.
- **Modern Design:** Constructed from high-quality aluminum alloy with a streamlined design and intuitive LED touch panel.
- **Convenience & Smart Life:** Wire-free design, long battery standby (up to a year), low battery notification, and emergency power supply. Share one-time passcodes with visitors.

2. PACKAGE CONTENTS

Before beginning installation, please ensure all components are present and in good condition. The package typically includes:

- Exterior Handle with Fingerprint Sensor and Keypad
- Interior Handle with Battery Compartment
- Latch Mechanism (60/70mm adjustable)
- Strike Plate and Screws
- Mounting Plate
- Emergency Keys
- Installation Screws and Hardware
- User Manual and Installation Template

Figure 2: Exploded view of lock components

For a visual guide to the package contents, please refer to the video below:

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Video 1: Overview of the F20 Smart Lock components and initial setup steps (0:07-0:12).

3. INSTALLATION GUIDE

The COOLOUS Smart Door Lock F20 is designed for straightforward installation. Follow these steps carefully.

3.1 Door Preparation

Ensure your door meets the required dimensions for installation. The lock is compatible with standard American-style doors with 60/70mm latches.

Four ways to unlock your door

Four safe and convenient ways to unlock your door

Fingerprint

Password

APP Bluetooth

Mechanical Key

tuya

Figure 3: Door measurement guidelines for installation.

3.2 Step-by-Step Installation

For a detailed visual guide on the installation process, please watch the following video. It covers installing the latch, exterior handle, interior handle, and connecting the power.

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Video 2: Comprehensive installation guide for the F20 Smart Lock (0:18-1:49).

Ensure the latch is correctly oriented and secured with screws. When installing the interior handle, connect the power cord between the rear panel and the front panel, then secure the handle with screws, ensuring they are parallel to avoid jamming the lock mechanism.

Figure 4: Securing the smart lock during installation.

4. OPERATING INSTRUCTIONS

The COOLOUS Smart Door Lock F20 offers multiple convenient ways to unlock your door.

4.1 Unlocking Methods

Figure 5: Overview of the four unlocking methods.

4.1.1 Fingerprint Unlock

Place your registered fingerprint on the sensor. The lock will verify and unlock within 0.3 seconds. Up to 120 unique fingerprints can be stored.
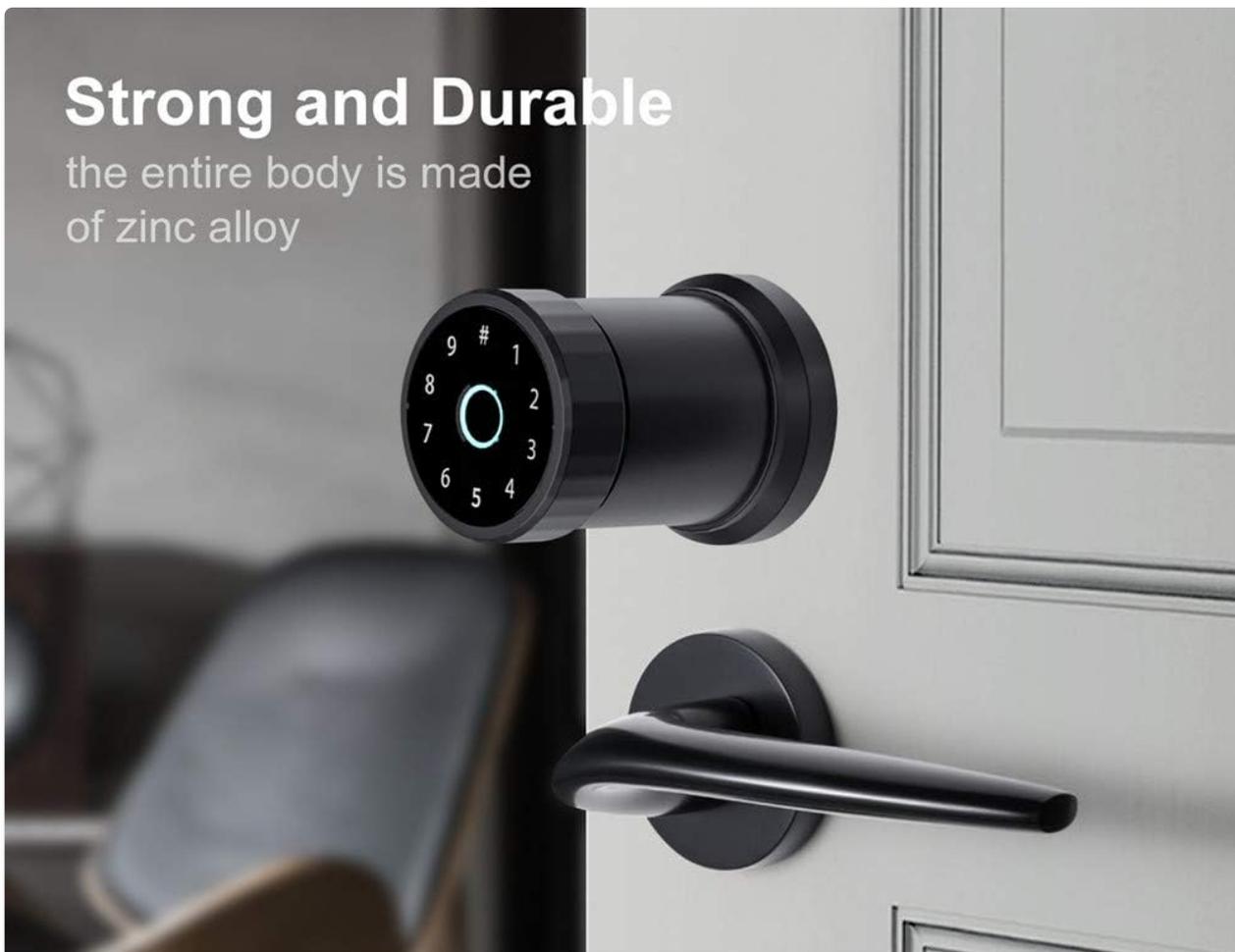
Figure 6: Using fingerprint to unlock the door.

4.1.2 Passcode Unlock

Enter your programmed passcode on the touchscreen keypad. The lock will verify the code and unlock the door.

Figure 7: Entering a passcode on the digital keypad.

4.1.3 Mobile Application (Tuya App) Unlock

Use the Tuya App on your mobile device to remotely unlock the door via Bluetooth. The app also provides access notifications and logs.

Figure 8: Unlocking the door using the Tuya mobile application.

4.1.4 Mechanical Key Unlock

In case of battery depletion or electronic malfunction, use the provided emergency mechanical key to unlock the door manually.

Easy Installation
Replaces Your Existing Deadbolt

No Additional Holes Required, Installs in minutes using just a screwdriver
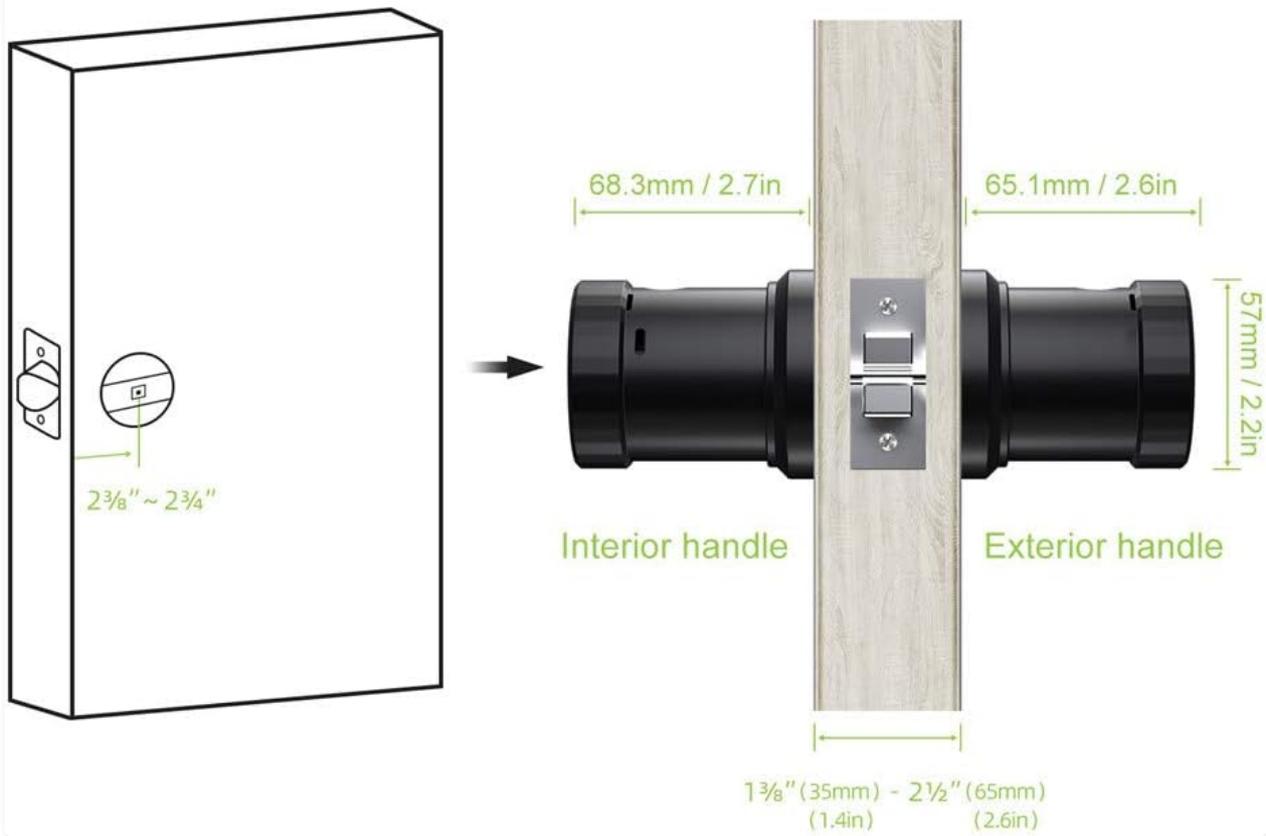

Figure 9: Using the mechanical key for emergency access.

4.2 Auto-Lock Function

The door lock features an automatic locking function, ensuring the door is secured after a set period, preventing accidental oversight.

Figure 10: The auto-lock feature for enhanced security.

For a demonstration of fingerprint unlocking and the auto-lock feature, please refer to the video below:

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Video 3: Demonstration of fingerprint unlock and auto-lock functionality (1:50-1:59).

5. MAINTENANCE

5.1 Battery Replacement

The lock is powered by 4 AAA batteries (not included). When the battery level is low, you will receive a notification. To replace the batteries:

1. Remove the cover of the interior handle's battery compartment.
2. Carefully remove the old batteries.
3. Insert 4 new AAA batteries, ensuring correct polarity.
4. Replace the battery compartment cover.

If the batteries completely deplete, use the emergency mechanical key or connect an external power source via the emergency power supply port (usually Micro-USB) to temporarily power the lock and gain access.

5.2 Cleaning

To maintain the appearance and functionality of your smart lock:

- Wipe the exterior surfaces with a soft, dry cloth.

- Avoid using abrasive cleaners, solvents, or chemical sprays, as these can damage the finish and electronic components.

- Keep the fingerprint sensor and touchscreen clean and free of debris for optimal performance.

6. TROUBLESHOOTING

If you encounter issues with your COOLOUS Smart Door Lock F20, refer to the following common troubleshooting steps:

- **Lock not responding:** Check battery levels and replace if necessary. Ensure the power cord connection between the front and rear panels is secure.

- **Fingerprint not recognized:** Ensure your finger is clean and dry. Try re-registering your fingerprint. Ensure the sensor is clean.

- **Passcode not working:** Double-check the entered passcode. Ensure the keypad is clean and responsive.

- **Tuya App connectivity issues:** Ensure Bluetooth is enabled on your phone and the lock is within range. Restart the app and try reconnecting.

- **Lock mechanism stuck:** Verify that the installation screws are parallel and not overtightened, which can cause internal friction.

- **Low battery warning:** Replace batteries promptly to avoid being locked out. Use emergency key or external power if batteries are completely drained.

If problems persist after attempting these solutions, please contact customer support.

7. PRODUCT SPECIFICATIONS

Feature	Detail
Brand	COOLOUS
Special Feature	Fingerprint, Smart Lock, Touchscreen
Lock Type	Tuya APP/Fingerprint/Code/Key
Material	Zinc, Aluminum
Recommended Uses	Security
Style	Modern
Color	Black

Feature	Detail
Number of Pieces	1
Controller Type	Hand Control
Shape	Round
Control Method	App
Connectivity Protocol	Bluetooth
UPC	791107928181
Manufacturer	COOLOUS Lock
Item Weight	3.98 pounds
Package Dimensions	10 x 6.77 x 4.76 inches
Batteries Included?	No
Batteries Required?	No
ASIN	B08VDN7T63
Date First Available	January 29, 2021

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product or contact COOLOUS customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.