IRONZON LOC191GWBUSIR

IRONZON Fingerprint Door Lock with Mini G2 Gateway User Manual

Model: LOC191GWBUSIR

Introduction   Package Contents   Key Features   Setup Guide   Operation   Maintenance   Troubleshooting   Specifications   Warranty & Support

1. INTRODUCTION

Thank you for choosing the IRONZON Fingerprint Door Lock with Mini G2 Gateway. This smart lock system provides advanced security and convenient access for various environments, including homes, hotels, offices, and apartments. It integrates multiple unlocking methods, including fingerprint recognition, passcodes, traditional keys, and smart app control via the included Mini G2 Gateway.
This manual will guide you through the installation, setup, operation, and maintenance of your new smart door lock, ensuring optimal performance and security.

Image 1.1: The IRONZON Fingerprint Door Lock, Mini G2 Gateway, and a smartphone displaying the control app.

2. PACKAGE CONTENTS

Please verify that all components are present in your package before proceeding with installation:

- Front Handle Assembly (with fingerprint sensor and keypad)
- Rear Handle Assembly
- Adjustable Latch
- Strike Plate and Strike Box
- Mounting Screws and Spindles
- 2 x Mechanical Keys
- Mini G2 Gateway
- USB-C Power Cable for Gateway
- User Manual (this document)

Image 2.1: Overview of the IRONZON Fingerprint Door Lock and its included accessories.

3. KEY FEATURES

- **Multiple Unlocking Methods:** Access your door using fingerprint, passcode, mechanical key, or the smart app.
- **Fast Biometric Recognition:** Unlock the door in under 1 second with advanced fingerprint technology.
- **Remote Control & Monitoring:** The included Mini G2 Gateway enables remote control and real-time status monitoring via the Tuya Smart App (2.4G Wi-Fi required).
- **Temporary Access Codes:** Generate and manage temporary passcodes for guests or service personnel.
- **Activity Log:** View a detailed history of who accessed the door and when through the app.
- **Durable Construction:** All-metal design ensures longevity and blends with modern decor.
- **Adjustable Latch:** Compatible with most standard door preparations.

Image 3.1: Visual representation of the various unlocking methods available with the smart door lock.

Image 3.2: The Mini G2 Gateway enables remote control of the door lock from anywhere via the app.

4. SETUP GUIDE

4.1. Installation

Before installation, ensure your door thickness is between 1⅜ inches (35mm) and 1¾ inches (45mm) and the backset distance is between 2⅜ inches (60mm) and 2¾ inches (70mm).

1. **Prepare the Door:** If replacing an existing lock, remove it. Ensure the door boreholes are clean and correctly sized.

2. **Install the Latch:** Insert the adjustable latch into the door edge. Ensure the latch bolt faces the correct direction (slanted side towards the door frame). Secure with screws.

3. **Install the Front Handle:** Insert the spindle through the latch. Position the front handle assembly on the exterior side of the door, ensuring the cable passes through the borehole.

4. **Install the Rear Handle:** Connect the cable from the front handle to the rear handle assembly. Align the rear handle with the spindle and mounting posts. Secure with mounting screws from the interior side.

5. **Insert Batteries:** Open the battery cover on the rear handle. Insert 4 AAA batteries (not included), ensuring correct polarity. Close the battery cover.

6. **Test Operation:** Manually test the handle and latch to ensure smooth operation.

Image 4.1: Detailed installation guide and applicable door dimensions for the smart lock.

4.2. App Download and Setup

The IRONZON Fingerprint Door Lock uses the Tuya Smart App for smart features.

1. **Download App:** Search for "Tuya Smart" in your smartphone's app store (iOS or Android) and download it.

2. **Register/Log In:** Open the app and register a new account or log in if you already have one.

3. **Add Device:** Tap the "+" icon in the top right corner or select "Add Device." Choose "Security & Video Surveillance" > "Smart Lock" or use the auto-scan feature.

4. **Pair Lock:** Follow the on-screen instructions to put the lock into pairing mode (usually by pressing a button on the interior handle or entering a specific code on the keypad). The app will detect and connect to the lock via Bluetooth.

5. **Set Administrator:** Once connected, you will be prompted to set up the administrator fingerprint and passcode. This is crucial for initial access and managing other users.

4.3. Mini G2 Gateway Pairing

The Mini G2 Gateway enables remote control and monitoring of your lock via Wi-Fi.

1. **Power On Gateway:** Connect the Mini G2 Gateway to a power source using the provided USB-C cable. The indicator light will flash.

2. **Add Gateway to App:** In the Tuya Smart App, tap "+" to add a new device. Select "Gateway" > "Wireless Gateway (Wi-Fi)" or use auto-scan.

3. **Connect to Wi-Fi:** Follow the app instructions to connect the gateway to your 2.4GHz Wi-Fi network.

4. **Link Lock to Gateway:** Once the gateway is online, navigate to your lock's settings within the Tuya Smart App. Select the option to link it to the newly added gateway. Ensure the gateway is within Bluetooth range of the lock for initial linking.

PRODUCT SPECIFICATION

11mm

50mm

50mm

Network: Wi-Fi2.4G
Power interface: Type-C USB
Input:DC 5V/1A
Bluetooth:Low-power 4.2

Image 4.2: Specifications and physical dimensions of the Mini G2 Gateway.

5. Operating Instructions

5.1. Unlocking Methods

- **Fingerprint Unlocking:** Place your registered finger firmly on the fingerprint sensor. The lock will unlock if the fingerprint is recognized.

- **Passcode Unlocking:** Enter your registered passcode on the keypad, followed by the '#' key. The lock will unlock if the passcode is correct.

- **Mechanical Key Unlocking:** Insert the mechanical key into the keyhole located on the front handle and turn to unlock. This is a backup method for emergencies or battery depletion.

- **App Unlocking:** Open the Tuya Smart App, select your lock, and tap the unlock icon. This can be done via Bluetooth (close range) or remotely via the Mini G2 Gateway (Wi-Fi).
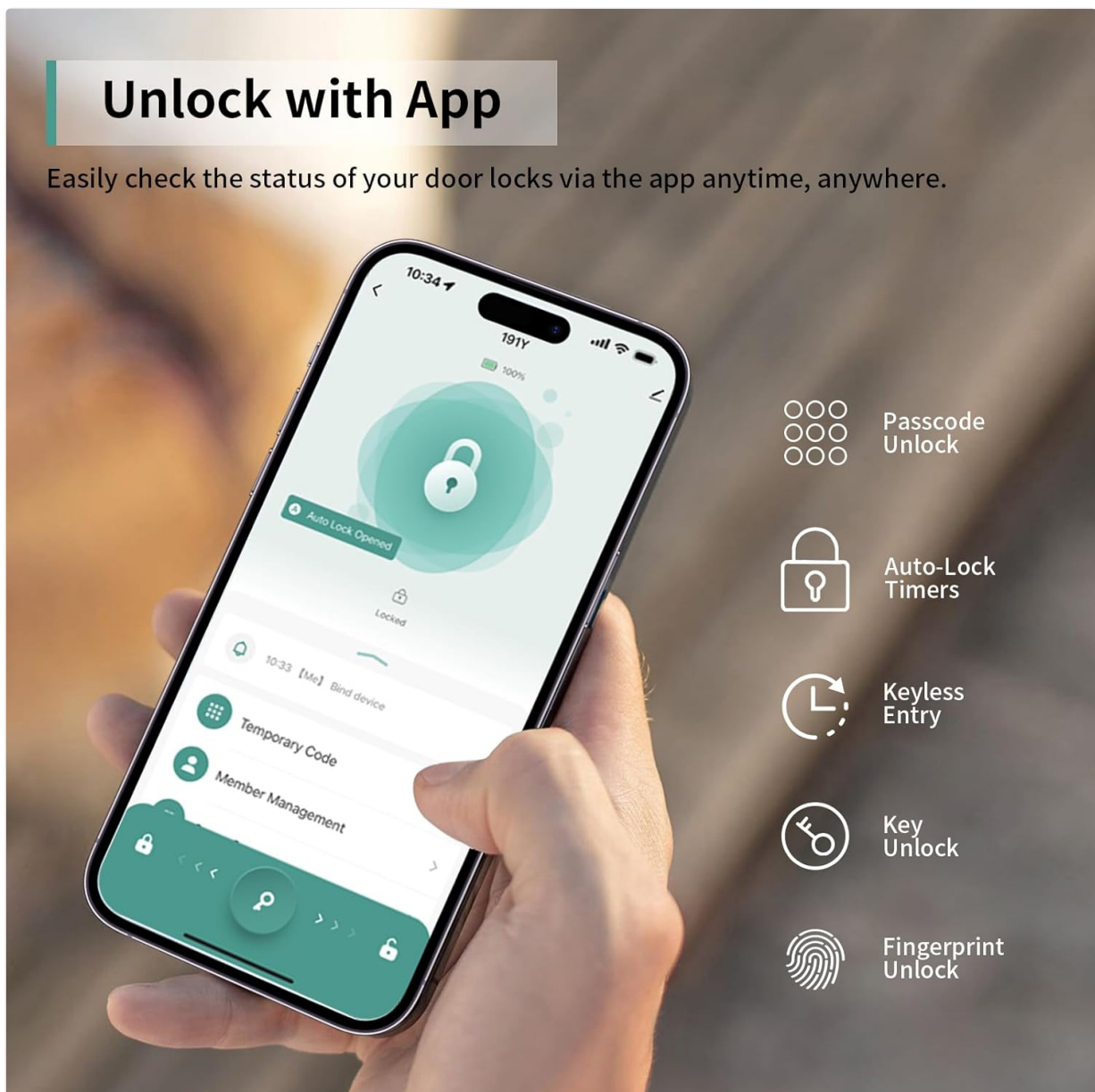

Image 5.1: The Tuya Smart App provides multiple options for unlocking and managing the door lock.

5.2. User Management (via Tuya Smart App)

The app allows you to manage users, add/delete fingerprints and passcodes, and set access schedules.

1. **Add User:** In the app, navigate to your lock's settings and select "Member Management" or "Users." Follow the prompts to add new users, assigning them fingerprints or passcodes.

2. **Generate Temporary Codes:** Select "Temporary Code" to create time-limited or one-time access codes for guests.

3. **View Activity Log:** Access the "Log" section to review a chronological record of all lock and unlock events, including the method used and the user.

4. **Remote Control:** With the gateway connected, you can lock/unlock the door remotely, modify user access, and receive notifications.

Image 5.2: The app allows for remote monitoring of door status, viewing activity logs, and managing access.

6. MAINTENANCE

6.1. Battery Replacement

The lock requires 4 AAA batteries. When the battery level is low, the lock will provide an audible warning. Replace batteries promptly to avoid loss of function.

1. Locate the battery cover on the interior handle.

2. Remove the screw securing the battery cover.

3. Remove the old batteries and insert 4 new AAA batteries, ensuring correct polarity.

4. Replace the battery cover and secure it with the screw.

Note: If batteries completely deplete, you can use the mechanical key or connect a USB-C power bank to the emergency power port on the exterior handle to temporarily power the lock for entry.

6.2. Cleaning

To maintain the appearance and functionality of your lock:

- Wipe the lock surface with a soft, dry cloth.
- Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish and electronic components.
- Keep the fingerprint sensor and keypad clean and free of debris for optimal performance.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lock does not respond.	Dead batteries.	Replace batteries. Use mechanical key or emergency USB-C power.
Fingerprint not recognized.	Finger is wet/dirty, sensor is dirty, or fingerprint not properly registered.	Ensure finger and sensor are clean and dry. Re-register fingerprint, trying different angles.
Passcode not working.	Incorrect passcode entered, or passcode not registered.	Verify passcode. Ensure '#' is pressed after the code. Register passcode via app.
Cannot connect to app.	Bluetooth/Wi-Fi off, lock/gateway out of range, or pairing issue.	Ensure Bluetooth is on. Move closer to the lock/gateway. Check Wi-Fi connection (2.4GHz only). Re-pair device in app.
Gateway not connecting to Wi-Fi.	Incorrect Wi-Fi password, 5GHz network, or weak signal.	Verify Wi-Fi password. Ensure you are connecting to a 2.4GHz network. Move gateway closer to router.
Lock makes unexpected sounds or locks automatically.	Auto-lock feature enabled, or internal error.	Check auto-lock settings in the app. If persistent, perform a factory reset (refer to app instructions for reset procedure).

8. SPECIFICATIONS

Feature	Detail
Brand	IRONZON
Model Name	LOC191GWBUSIR
Lock Type	Biometric (Fingerprint)
Unlocking Methods	Fingerprint, Passcode, Key, App (Bluetooth/Wi-Fi via Gateway)
Control Method	App, Remote

Feature	Detail
Power Supply	4 x AAA Batteries (not included)
Emergency Power	USB-C Port
Door Thickness	1.38 - 1.77 inches (35mm - 45mm)
Backset Distance	2.36 - 2.75 inches (60mm - 70mm)
Item Dimensions (L x W x H)	6.3 x 2.3 x 2.3 inches
Item Weight	1.94 pounds (0.88 Kilograms)
Gateway Network	Wi-Fi 2.4G
Gateway Power Interface	Type-C USB (DC 5V/1A)
Gateway Bluetooth	Low-power Bluetooth 4.2

9. WARRANTY AND SUPPORT

IRONZON products are designed for reliability and performance. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. Please refer to the warranty card included in your package for specific terms and conditions, including the warranty period and coverage details.

For technical support, troubleshooting assistance, or warranty claims, please contact IRONZON customer service through the following channels:

- **Email:** Refer to your product packaging or the IRONZON official website for the most current contact email.
- **Online Support:** Visit the IRONZON official website for FAQs, support articles, and contact forms.

When contacting support, please have your product model number (LOC191GWBUSIR) and purchase information readily available.

Related Documents - LOC191GWBUSIR

[IRONZON TY190 Fingerprint Lock Installation and Operation Guide](#)

Comprehensive guide for installing and operating the IRONZON TY190 fingerprint smart lock, including setup, user management via the Tuya app, and troubleshooting.

[IRONZON Fingerprint Knob (280X) User Manual and Installation Guide](#)

This document provides comprehensive instructions for installing and operating the IRONZON Fingerprint Knob (280X), covering the packing list, installation dimensions, step-by-step installation procedures, operation of the Tuya Smart App for managing the lock, adding fingerprints and members, connecting to a Bluetooth gateway for remote control, adjusting volume settings, and useful tips for usage.