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Gracemind B07Q4JFVM4

Gracemind Fingerprint Padlock (Model B07Q4JFVM4) User Manual

Your Guide to Secure and Convenient Access

1. Introduction

Thank you for choosing the Gracemind Fingerprint Padlock. This keyless smart lock provides a secure and convenient solution for protecting your belongings. With advanced fingerprint recognition technology, you can unlock your padlock quickly and efficiently using your unique fingerprint. This manual provides detailed instructions on how to set up, operate, and maintain your new padlock.

2. Product Features

- **Keyless Access:** Your finger is your key, offering a secure and private method for unlocking and identity verification.
- **Multiple Fingerprints:** The smart lock can store up to 10 different fingerprints.
- **Waterproof Design:** Features an IP65 waterproof standard, protecting the product from water and dust, suitable for both indoor and outdoor use.
- **Rechargeable Battery:** Equipped with an 80mAh lithium battery, providing up to 6 months of standby time or approximately 1000 unlocks on a single charge.
- **Easy to Use:** No keys or complex app access required. Simple fingerprint registration and deletion process.
- **Compact and Lightweight:** Weighing only 56g, it is easy to carry and suitable for various applications such as gym lockers, suitcases, golf bags, backpacks, and drawers.

3. Product Overview

Familiarize yourself with the components of your Gracemind Fingerprint Padlock:

- **Shackle:** The locking mechanism that secures the padlock.
- **Fingerprint Sensor:** The area where you place your finger for recognition.
- **Indicator Light:** Displays the status of the lock (e.g., charging, unlocking, low battery).
- **Micro USB Charging Port:** Used for recharging the internal battery.



Figure 1: Front and side view of the Gracemind Fingerprint Padlock, showing the fingerprint sensor and indicator light.



Figure 2: Gracemind Fingerprint Padlock with its Micro USB charging port visible.

4. Setup

4.1 Initial Charging

Before first use, ensure your padlock is fully charged. Connect the provided USB Android cable to the Micro USB charging port on the padlock and plug the other end into a USB power source (e.g., computer, wall adapter).

- The indicator light will illuminate red during charging.
- The indicator light will turn off when charging is complete.

4.2 First Use (Factory Default)

When new and not yet programmed, the padlock can be opened by **any finger**. This allows you to test the lock and proceed with fingerprint registration.

4.3 Registering Administrator Fingerprint

The first fingerprint registered will be designated as the administrator. The administrator fingerprint is required to add or delete other user fingerprints.

1. Ensure the padlock is unlocked.
2. Press and hold your chosen finger on the fingerprint sensor for approximately 5-8 seconds until the indicator light flashes blue.
3. Lift your finger and then place it on the sensor again. The light will flash green.
4. Repeat placing and lifting your finger on the sensor 5-10 times from different angles until the indicator light turns solid green, indicating successful registration.
5. If registration fails (e.g., light flashes red), repeat the process from step 2.

4.4 Registering User Fingerprints

After registering the administrator fingerprint, you can add up to 9 additional user fingerprints.

1. Unlock the padlock using the administrator fingerprint.
2. While the padlock is unlocked, press and hold the administrator finger on the sensor for approximately 5-8 seconds until the indicator light flashes blue.
3. Immediately, have the new user place their finger on the sensor. The light will flash green.
4. Instruct the new user to repeat placing and lifting their finger on the sensor 5-10 times from different angles until the indicator light turns solid green, indicating successful registration.
5. Repeat for any additional user fingerprints.

4.5 Deleting All Fingerprints (Factory Reset)

To delete all registered fingerprints and restore the padlock to its factory default state (any finger can unlock):

1. Unlock the padlock using the administrator fingerprint.
2. While the padlock is unlocked, press and hold the administrator finger on the sensor for approximately 10-15 seconds until the indicator light flashes red rapidly.
3. Release your finger. All fingerprints are now deleted. The padlock can now be opened by any finger.

5. Operating Instructions

5.1 Unlocking the Padlock

To unlock the padlock, simply place a registered finger on the fingerprint sensor. The indicator light will flash green, and the shackle will pop open.



Figure 3: Place your finger on the sensor for quick unlocking.

5.2 Locking the Padlock

To lock the padlock, simply push the shackle down firmly until it clicks into place. The padlock will automatically lock.

5.3 Low Battery Indication

If the indicator light flashes red quickly when attempting to unlock, it means the padlock's battery is low and requires charging. Please charge the device promptly to ensure continued operation.

5.4 Emergency Unlock

In an emergency or if the battery is completely depleted, the padlock can still be unlocked by a registered fingerprint while it is connected to a power source via the USB charging cable.

6. Maintenance

6.1 Charging the Battery

The padlock features a built-in 80mAh lithium battery. When the low battery indicator appears, connect the padlock to a 5V USB power source using the provided Micro USB cable. A full charge typically takes a short period and provides extended usage.



Figure 4: The padlock offers long standby time and many unlocks per charge.

6.2 Water Resistance

The padlock is rated IP65 waterproof, meaning it is protected against dust ingress and low-pressure water jets from any direction. While it can withstand splashes and rain, it is not designed for prolonged submersion in water.

6.3 Cleaning

Wipe the padlock, especially the fingerprint sensor, with a soft, dry cloth to remove dust or smudges. Avoid using abrasive cleaners or solvents.

7. Troubleshooting

- **Fingerprint not recognized:**
  - Ensure your finger is clean and dry.
  - Try placing your finger on the sensor from different angles.
  - Verify that the fingerprint is registered. If unsure, try re-registering it.
  - Ensure the padlock is sufficiently charged.

- **Padlock not responding:**
  - The battery might be completely depleted. Connect the padlock to a USB power source and try unlocking it while charging.
  - Perform a factory reset (delete all fingerprints) if you suspect a software issue, then re-register your fingerprints.
- **Indicator light flashes red quickly:**
  - This indicates a low battery. Charge the padlock immediately.

8. Specifications

Feature	Specification
Brand	Gracemind
Model	B07Q4JFVM4
Lock Type	Biometric (Fingerprint)
Fingerprint Capacity	Up to 10 fingerprints
Sensor Resolution	508DPI
Waterproof Rating	IP65
Battery	80mAh Lithium (3.7V)
Charging Port	Micro USB
Standby Time	Up to 6 months
Unlock Times (per charge)	Up to 1000 times
Operating Temperature	-15°C to 60°C
Recognition Time	<300mS
Weight	56g
Dimensions	5.2cm (2.05 in) height, 2.8cm (1.10 in) width, 1.2cm (0.47 in) depth (approximate)



Figure 5: Approximate dimensions of the Gracemind Fingerprint Padlock.

9. Safety Information

- Do not attempt to disassemble or modify the padlock. This may damage the device and void any potential warranty.
- Keep the padlock away from extreme temperatures, direct sunlight, and corrosive liquids.
- Ensure the charging port is dry before connecting the USB cable.
- This product contains a lithium battery. Dispose of it responsibly according to local regulations.

10. Usage Scenarios

The Gracemind Fingerprint Padlock is versatile and suitable for a wide range of applications:

- Gym lockers
- Suitcases and travel bags
- Golf bags and handbags

- School lockers
- Furniture and wardrobes
- Bicycles
- Drawers and cabinets

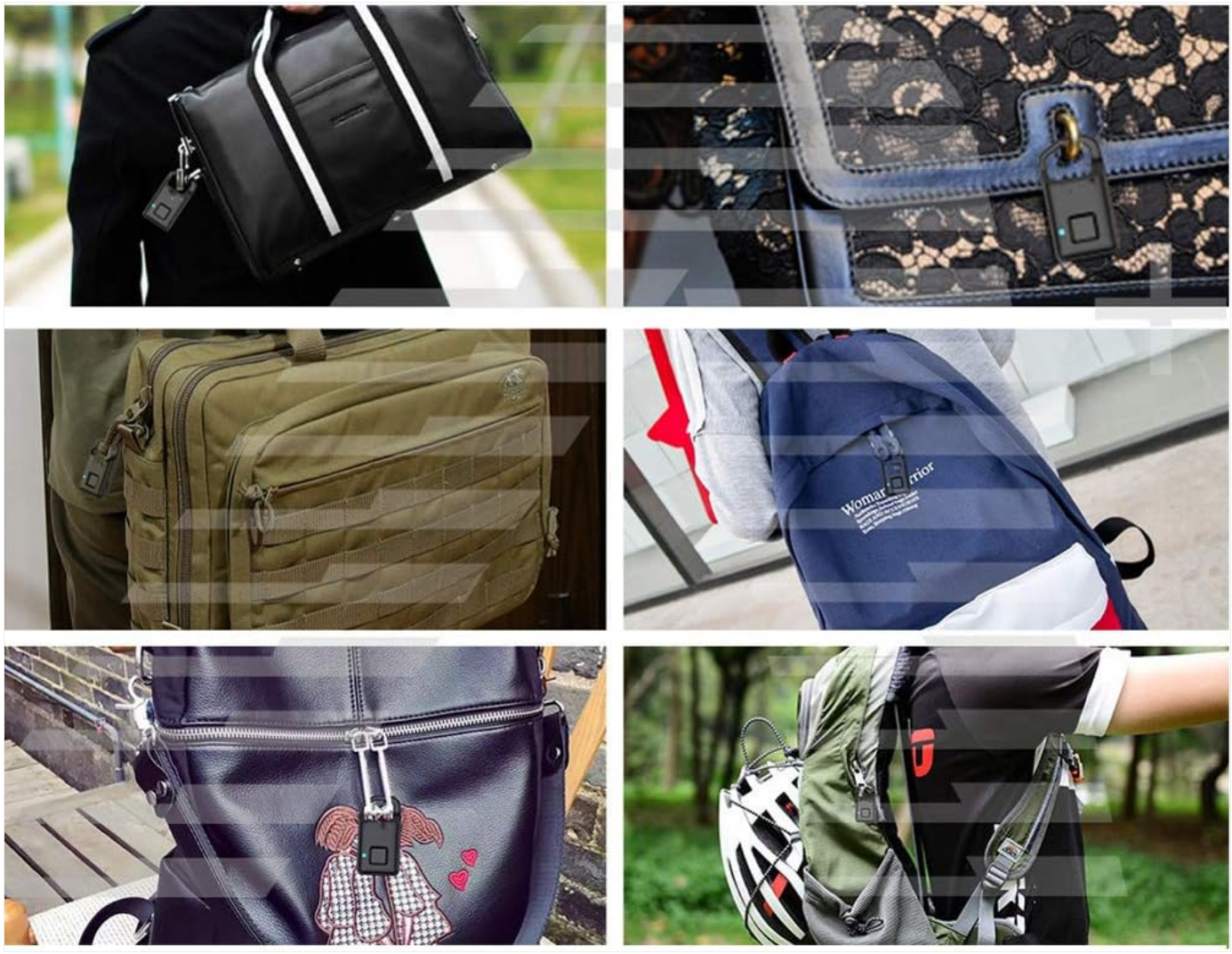


Figure 6: Examples of the padlock securing various items.

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