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LAVNA LP40

LAVNA Smart Biometric Padlock LP40 User Manual

1. Product Overview

The LAVNA Smart Biometric Padlock LP40 offers secure and convenient access with two primary unlocking methods: fingerprint and mobile application. Designed for durability and versatility, this padlock is suitable for various applications including doors, bags, suitcases, cabinets, warehouses, and shutters. It features an IP67 waterproof rating, ensuring reliable operation in diverse conditions.



Image 1.1: The LAVNA LP40 padlock supports two unlocking methods: fingerprint recognition and mobile app control. This eliminates the need for traditional keys or remembering complex passwords.



Image 1.2: Key features of the LP40 padlock include Bluetooth connectivity for app control, IP67 waterproof rating, power from easily replaceable button cells, and storage for up to 10 unique fingerprints.



Image 1.3: The padlock is constructed with a durable zinc alloy body and features stainless steel reinforced shackles, providing enhanced security and resistance to tampering.

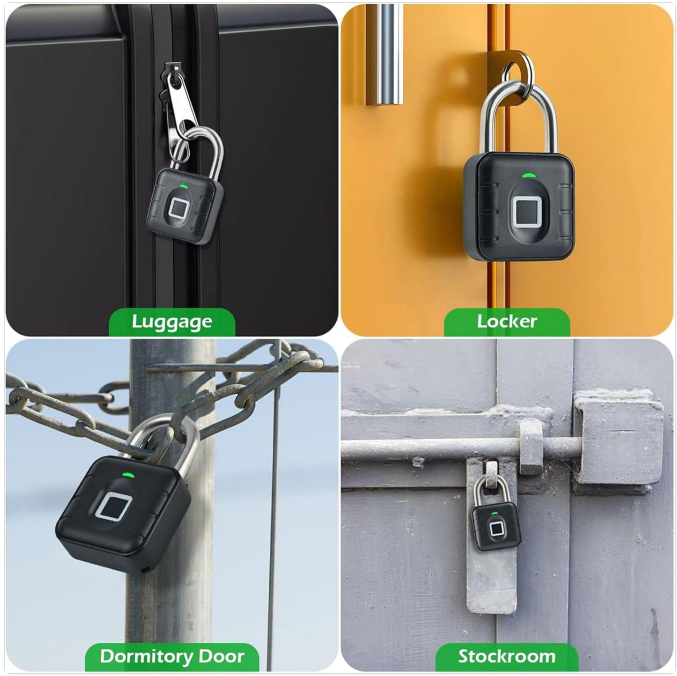


Image 1.4: The versatile design of the LP40 padlock makes it suitable for securing various items and locations, including luggage, lockers, dormitory doors, and stockrooms.

2. Setup Instructions

Follow these steps to set up your LAVNA LP40 Smart Padlock and connect it to the mobile application:

1. **Download the LAVNA SmartLife App:** Search for "LAVNA SmartLife" on the Google Play Store (for Android devices) or Apple App Store (for iOS devices) and install the application on your smartphone.
2. **Register Your Account:** Open the newly installed app and follow the on-screen instructions to register a new user account using your email address.
3. **Enable Bluetooth and Location:** Grant the necessary Bluetooth and Location permissions to the LAVNA SmartLife app when prompted. These permissions are essential for the app to detect and communicate with your padlock.
4. **Add Your Smart Lock to the App:**
   - Open the LAVNA SmartLife app and tap the **+** icon located in the top right corner of the screen.
   - Select **Add Device**. The app will begin scanning for nearby Bluetooth devices.
   - From the list of detected devices, choose your **LAVNA LP40 Smart Padlock** to initiate the pairing process.
   - Once successfully added, the padlock will be connected to your phone, and you will have full administrator control. At this point, the lock will no longer accept unregistered fingerprints.
5. **Add Fingerprints:**
   - Within the LAVNA SmartLife app, navigate to the **Manage Member** section and select **Admin**.
   - Tap on **Add Fingerprint**.
   - Place your finger on the padlock's sensor and lift it as instructed by the app. You will typically need to touch the sensor 5 times from different angles to ensure comprehensive registration.
   - After successful registration, you can name the fingerprint (e.g., "Admin Finger 1").
   - Repeat this process to add up to 10 unique fingerprints, allowing multiple users or different fingers to access the padlock.

3. Operating Instructions

The LAVNA LP40 Smart Padlock provides two convenient methods for unlocking:

3.1. Fingerprint Unlock

To unlock the padlock using a registered fingerprint:

1. Place a registered finger firmly on the padlock's fingerprint sensor.
2. If the fingerprint is recognized, the padlock will unlock instantly, indicated by a green light and an audible click.

3.2. Mobile App Unlock

To unlock the padlock using the LAVNA SmartLife mobile app:

1. Ensure your smartphone is within Bluetooth range (approximately 4-5 meters) of the padlock.
2. Open the LAVNA SmartLife app on your smartphone.
3. Select your LP40 padlock from the list of connected devices within the app.
4. Tap the designated unlock icon or button within the app interface to open the padlock.
5. The mobile app also allows you to view a detailed history of past unlocking records, including the time and method of access.

4. Maintenance

To ensure optimal performance and longevity of your LAVNA LP40 Smart Padlock, adhere to the following maintenance guidelines:

4.1. Battery Replacement

The padlock is powered by two CR2032 button cells. These batteries are designed for easy replacement. When the battery level is low, the lock may provide an indication (e.g., a specific LED flash pattern or an alert in the mobile app).

1. To replace the batteries, carefully open the battery compartment. Refer to the diagram below for the location of the battery compartment.
2. Remove the old CR2032 cells and insert new ones, ensuring correct polarity (+ and - sides).
3. Close the battery compartment securely.

A fresh set of batteries typically provides power for approximately 4 months with regular use. If the battery is completely drained, you can still unlock the padlock with a registered fingerprint immediately after replacing the cells.



Image 4.1: An exploded view of the padlock showing the internal components, including the easily replaceable CR2032 button cells. Ensure correct orientation when replacing batteries.

4.2. Environmental Conditions

The padlock has an IP67 waterproof rating, meaning it is protected against dust and can withstand immersion in water up to 1 meter for 30 minutes. This makes it suitable for use in rainy conditions. However, avoid prolonged submersion or exposure to extreme water pressure. The padlock is designed to operate reliably within a temperature range of -10°C to 50°C.



Image 4.2: The padlock is designed to function effectively across a wide temperature range, from -10°C to 50°C, ensuring reliability in various climates.

5. Troubleshooting

If you encounter issues with your LAVNA LP40 Smart Padlock, consider the following common solutions:

5.1. Lock Not Responding

- **Check Battery Level:** If the padlock does not respond to fingerprint or app commands, the batteries may be depleted. Replace the CR2032 button cells as described in the Maintenance section.
- **Clean Sensor:** Ensure the fingerprint sensor is clean and free from dirt, moisture, or debris that might obstruct recognition.

5.2. Fingerprint Not Recognized

- **Finger Condition:** Ensure your finger is clean and dry. Moisture or dirt can interfere with sensor accuracy.
- **Sensor Placement:** Try placing your registered finger on the sensor from slightly different angles or positions.
- **App Unlock:** If multiple fingerprint attempts fail, try unlocking the padlock using the mobile app.
- **Re-register Fingerprint:** If issues persist, consider deleting and re-registering the problematic fingerprint through the LAVNA SmartLife app.

5.3. Mobile App Connection Issues

- **Bluetooth and Range:** Verify that Bluetooth is enabled on your smartphone and that the padlock is within the effective Bluetooth range (4-5 meters).
- **Location Services:** Confirm that location services are enabled for the LAVNA SmartLife app in your phone's settings.
- **Restart App/Phone:** Close and restart the LAVNA SmartLife app. If the problem persists, try restarting your smartphone.

5.4. Padlock Not Adding to App

- **Pairing Mode:** Ensure the padlock is in a discoverable or pairing mode (often indicated by a specific LED light pattern).
- **Other Connections:** Check that the padlock is not already connected to another smartphone or device via Bluetooth.

6. Product Specifications



Image 6.1: Detailed dimensions of the LAVNA LP40 Smart Biometric Padlock, including body width, height, and shackle measurements.

Feature	Specification
Brand	LAVNA

Model Name	Padlock LP40
Item Model Number	LP40
Lock Type	Padlock
Special Feature	Fingerprint, Mobile app
Connectivity Protocol	Bluetooth
Control Method	App, Touch
Controller Type	Android, iOS
Material	Metal (Zinc alloy, ABS, 304 stainless steel)
Color	Black
Item Weight	120 Grams
Product Dimensions (L x W x H)	2.5 x 4.5 x 7.9 cm (25 x 45 x 79 Millimeters)
Shackle Dimensions	6mm diameter, 24mm internal width, 24mm internal height
Waterproof Rating	IP67
Battery Type	CR2032 button cells (2 included)
Battery Life	Approximately 4 months
Fingerprint Capacity	Stores up to 10 sets of fingerprints
Recommended Uses	Doors, Bags, Suitcases, Cabinets, Warehouse Doors, Dormitory Doors, Construction Site Doors, Shutters

7. Warranty and Support

For product support, technical assistance, or warranty-related inquiries regarding your LAVNA Smart Biometric Padlock LP40, please contact the manufacturer/importer directly:

- **Manufacturer/Importer:** Bhagwn Shri Locks PVT LTD
- **Location:** Delhi
- **Contact Number:** 9667771077

Please have your product model number (LP40) and purchase details ready when contacting support to facilitate a quicker resolution.

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Question

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