LAVNA LA16

LAVNA LA16 Bluetooth Digital Smart Door Lock Instruction Manual

Model: LA16

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your LAVNA LA16 Bluetooth Digital Smart Door Lock. Please read this manual carefully before installation and use to ensure proper functionality and security.



Image: The LAVNA LA16 Bluetooth Digital Smart Door Lock, showcasing its sleek black design.

Product Overview

Key Features

- **6-Way Unlock Access:** Fingerprint, Mobile App, One-Time Password (OTP), PIN Code, RFID Card, and Manual Key.
- **360° Fingerprint Sensor:** Unlocks in 0.4 seconds, supports up to 50 unique fingerprints.
- **Bluetooth Mobile App Control:** Manage users, add/delete fingerprints, set PINs, and monitor access records via the LAVNA Smart Life Mobile app.
- **OTP Access:** Generate temporary One-Time Passwords for remote access.
- **PIN Access:** Register up to 50 PINs with anti-peep display security.
- **RFID Card Access:** Register up to 50 RFID cards for convenient entry.
- **Manual Key Access:** Includes computerized mechanical keys for emergency backup.

- **Spy Code Function:** Enter random numbers before or after your actual PIN to prevent unauthorized viewing.
- **Low Power Indication:** Alerts when battery level drops below 15%. External power option available if batteries are fully drained.
- **Durable Construction:** Crafted from Zinc Alloy with 304 Grade Stainless Steel bolts for enhanced security.

Included Components

The package includes all necessary parts for installation and operation:

- Front Panel
- Back Panel
- 1 Mortise
- 2 Manual Keys
- 2 RFID Cards
- Fitting Screws
- User Manual (this document)
- Door Cutting Diagram



Image: Diagram illustrating the 6 different access methods for the LAVNA LA16 Smart Door Lock.

Setup and Installation

The LAVNA LA16 lock is designed for DIY installation on wooden doors. A carpenter may be required for door preparation. Online support via video calls is available from customer care.

Pre-Installation Checklist

- **Door Type:** Suitable for wooden doors only.
- **Door Thickness:** Minimum 30 mm required.
- **Door Handles:** Reversible for both left and right-handed doors.
- **Clearance:** Ensure at least 75 mm distance between the main door and safety door (if applicable).
- **Batteries:** Use Duracell Long Lasting (AA Alkaline) batteries for optimal performance.



Image: Visual guide for easy installation, highlighting door type, thickness, handle reversibility, and clearance requirements.

Installation Steps (Summary)

Refer to the included "Door Cutting Diagram" and detailed installation video/support for precise steps. A general overview includes:

1. Prepare the door using the cutting template.
2. Install the mortise into the door edge.
3. Attach the front and back panels, ensuring proper alignment and cable connection.
4. Secure all fitting screws.
5. Insert batteries into the back panel.
6. Test basic lock functionality.



Image: Close-up of the heavy-duty 304 Grade Stainless Steel mortise, showing its dimensions (240mm length, 75mm depth, 22mm width).

Operating Instructions

Fingerprint Access

- Place a registered finger on the fingerprint sensor.
- The lock will unlock in approximately 0.4 seconds.
- To register fingerprints, use the LAVNA Smart Life Mobile app.



Image: The fingerprint sensor on the LAVNA LA16 lock, indicating quick unlock time and capacity for multiple fingerprints.

PIN Code Access

- Touch the keypad to activate it.
- Enter your registered PIN code followed by '#'.
- **Spy Code:** To protect your PIN, you can enter random numbers before or after your actual PIN. For example, if your PIN is 123456, you can enter 987123456000#.



Image: The digital keypad for PIN entry on the LAVNA LA16 lock, highlighting the anti-peep feature.

RFID Card Access

- Present a registered RFID card to the card reader area on the lock.
- The lock will unlock.
- RFID cards are registered via the mobile app.



Image: An RFID card being used to unlock the LAVNA LA16 Smart Door Lock.

Manual Key Access

- Insert the provided mechanical key into the keyhole located at the bottom of the front panel.
- Turn the key to unlock the door.
- This method is for emergency use or when batteries are completely drained.

Mobile App Usage (LAVNA Smart Life)

The LAVNA Smart Life mobile application allows for comprehensive management of your LA16 Smart Door Lock via Bluetooth.

	LA15 BT	LA16 BT	LA16 WF + BT	LA28 BT	LA28 WF + BT	LA24 BT	LA24 WF + BT	LA48 WF
Min Door Thickness	28 mm	30 mm	30 mm	32 mm	32 mm	35 mm	35 mm	38 mm
Free Installation	✗	✗	✗	✓	✓	✓	✓	✓
Locking Bolts	1	2	2	2	2	5	5	5
Fingerprint	✓	✓	✓	✓	✓	✓	✓	✓
Mobile Application	✓	✓	✓	✓	✓	✓	✓	✓
Wi-Fi Unlocking	✗	✗	✓	✗	✓	✗	✓	✓
OTP Unlocking	✗	✓	✓	✓	✓	✓	✓	✗
Time Based Access	✗	✓	✓	✓	✓	✓	✓	✗
Inbuilt Video Door Phone	✗	✗	✗	✗	✗	✗	✗	✓
Public Mode	✓	✓	✓	✓	✓	✓	✓	✗
Past Unlocking Records	✓	✓	✓	✓	✓	✓	✓	✓
304 Stainless Steel	✓	✓	✓	✓	✓	✓	✓	✓
Add/Del Fingerprint by App	✓	✓	✓	✓	✓	✓	✓	✗
External Power Port	✓	✓	✓	✓	✓	✓	✓	✓

Image: Benefits of Bluetooth technology for the LAVNA LA16 lock, including app control, OTP generation, and access records.

Key App Functions

- **User Management:** Add, modify, or delete fingerprints, PINs, and RFID cards for various users.
- **Remote Unlock (Bluetooth Range):** Unlock the door when within Bluetooth range (4-5 meters).
- **OTP Generation:** Generate One-Time Passwords for guests or service providers from anywhere, anytime.
- **Access Records:** View a history of all unlocking events.
- **Public Mode:** Enable public mode for easy access without authentication (use with caution).
- **Time-Based Access:** Grant access for specific time periods, useful for household help.



Image: Screenshot of the mobile app interface demonstrating OTP generation for the LAVNA LA16 Smart Door Lock.

Maintenance

- **Battery Replacement:** Replace all batteries when the low power indicator appears. Always use high-quality AA Alkaline batteries (e.g., Duracell).
- **Cleaning:** Wipe the lock surface with a soft, dry cloth. Avoid abrasive cleaners or solvents that may damage the finish or electronic components.
- **Sensor Care:** Keep the fingerprint sensor clean and dry for optimal performance.
- **Mechanical Check:** Periodically check that all screws are tight and the handle operates smoothly.

Troubleshooting

Problem	Possible Cause	Solution
Lock not responding / No power	Dead batteries.	Replace all batteries with new AA Alkaline batteries. If completely drained, use external power via the emergency USB port.
Fingerprint not recognized	Fingerprint sensor is dirty or wet; unregistered fingerprint; improper placement.	Clean the sensor. Ensure your finger is dry and placed correctly. Re-register fingerprint if necessary via the app.
PIN code not working	Incorrect PIN entered; PIN not registered.	Verify the PIN. Ensure it's registered in the app. Try using the Spy Code feature.
Mobile app connection issues	Bluetooth is off; out of range; app not updated.	Ensure Bluetooth is enabled on your phone and you are within 4-5 meters of the lock. Update the LAVNA Smart Life app.
Lock is loose or wobbly	Screws are loose.	Tighten all mounting screws. If issue persists, contact customer support.

Specifications

Feature	Detail
Brand	LAVNA
Model Number	LA16 BT

Feature	Detail
Lock Type	Biometric, Mobile App
Unlock Methods	Fingerprint, Mobile App, OTP, PIN, RFID Card, Manual Key
Fingerprint Capacity	Up to 50
PIN Capacity	Up to 50
RFID Card Capacity	Up to 50
Unlocking Speed	0.4 seconds (Fingerprint)
Connectivity	Bluetooth
Material	Zinc Alloy (Body), 304 Grade Stainless Steel (Mortise Bolts)
Color	Black
Door Thickness Requirement	Minimum 30 mm (for wooden doors)
Item Dimensions (L x W x H)	7 x 7 x 24 Centimeters
Item Weight	1.92 Kilograms
Power Source	AA Alkaline Batteries (not included)
Emergency Power	External USB port



Image: Detailed dimensions of the LAVNA LA16 Smart Door Lock, including mortise and panel measurements.



Image: Comparison table showing features across various LAVNA smart lock models, including LA16 BT.

Warranty and Support

Warranty Information

The LAVNA LA16 Smart Door Lock comes with a**1-year off-site warranty**. Please note the following conditions:

- Warranty covers manufacturing defects.
- Burnt or physical damage is not covered under warranty.
- Always use Duracell Long Lasting (AA Alkaline) batteries for best battery backup and to avoid potential issues.

Customer Support

For any installation assistance, troubleshooting, or warranty claims, please contact LAVNA Customer Care. They provide online support via video calls and phone calls.

Phone: 9667771077, 1800-313-4491

WhatsApp Support: Click here for WhatsApp chat

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