

EMD1661BLA

P2-A LOCK



EUROPA[®] **electronic**
ANTI-THEFT ENGINEERING D O O R L O C K

U S E R M A N U A L

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Outside



The EUROPA journey began in the year 1984 with the Mission "ANTI-THEFT ENGINEERING". Dr. P. A. Joshi after studying in Germany, founded this Company in the Cultural and Industrial city of Pune. Since then, **Welmade Locking Systems Private Limited** has carved for itself an enviable niche in the Indian Market.



Dr. P. A. Joshi
Founder & Chairman

Who believes in disruptive innovation and continual development.

We constantly INNOVATE to design and manufacture locks with best-in-class features meeting Global functions, finish, load (strength) & life (warranty) standards.

The Europa Edge

More than 35 years of excellence with single point ownership of the complete process (Research & Development, Design, Manufacturing, Marketing, Sales & Service) to ensure end to end ANTI – THEFT locking solutions for our customers. On a mission of preventing theft across country and make India theft free, safe and secure place to live in and providing ultimate Peace of Mind.



100+ IP Registrations
& Applications
(Patent, Design, Etc).



500+ theft site visits & 1000+
ANTI-THEFT trials for
"ANTI-THEFT ENGINEERING" expertise.



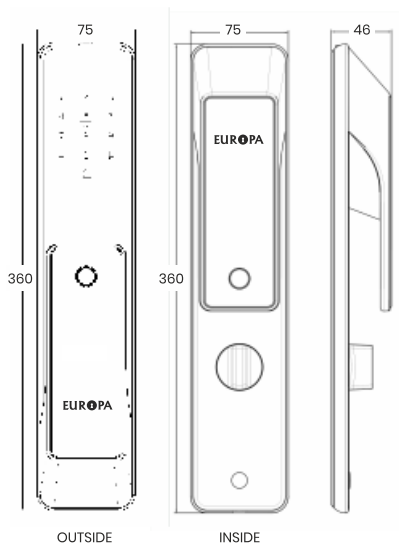
Every product goes through
more than 50+ ANTI-THEFT tests
in a controlled set up on actual
doors during development.



Experience of 5 million
installations through 200+
trained technicians across India.

1. Product Introduction

1.1 Lock Structure



1.2 Specifications

Voice Navigation

Full voice navigation support

Ultra-Thin Panel

Ultra-Thin Panel with Smooth Surface

Electronic Lock Body

Safer and Reliable

Doorbell Function

Integrated Door Bell

Built-in Lithium Battery

Convenient, Enviromental Friendly

Europa Digital

Convenient for End User

1.3 Product list

After unpacking, please check carefully according to the list.

No.	Name	Qty.
1	Outer Panel	1
2	Inner Panel	1
3	Rubber Pads	2
4	Lock Body	1
5	Strike Plate	1
6	Cylinder	1

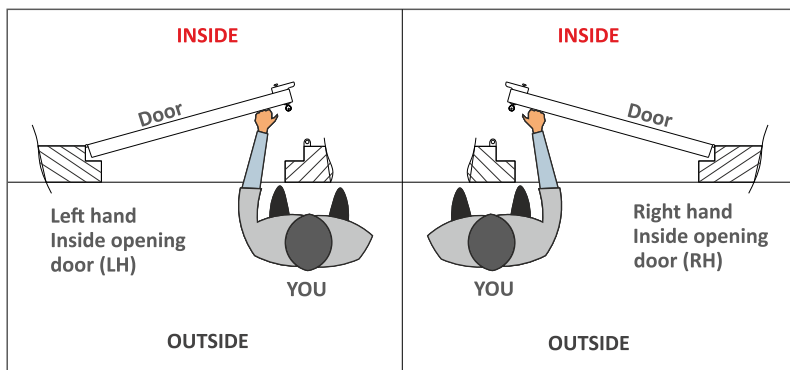
No.	Name	Qty.
7	Mechanical Keys	2
8	RFID Cards	3
9	Accessory Kits	1
10	Drilling Template	1
11	User Manual	1

1.4 Precautions

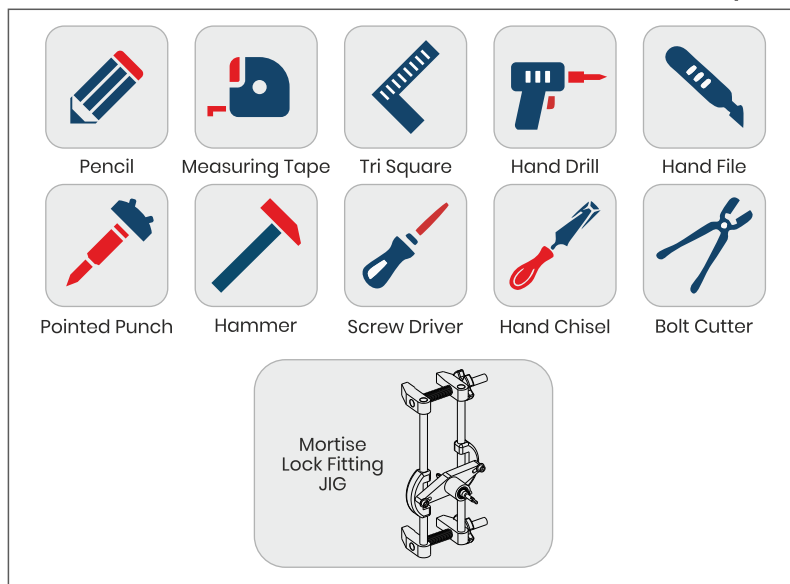
- Follow the instructions and pictures carefully for the proper installation and smooth functioning of your lock.
- **Lock fitting should be done by Europa certified technician only.**
- The company will not be responsible if the lock is damaged due to improper installation.
- Lock fitment is suitable for minimum door thickness from 35 mm to 120 mm.
- **Do not insert any of the screws by hammering** which may damage your lock and door; the company will not be responsible for any such damages.
- Door stoppers should be fixed to avoid damage to the lock body, by hitting against the wall or any other object.
- Before lock fitting, always make sure that your door and its frame are in same level while in closed condition. The improper level will affect the smooth functioning of lock (company is not responsible for such cases)
- **Cover the Key entry hole with adhesive tape to prevent dust entry during renovation work & installation of lock**
- **Do not use oil in key hole**

2. Installation Instruction

DOOR DIRECTION

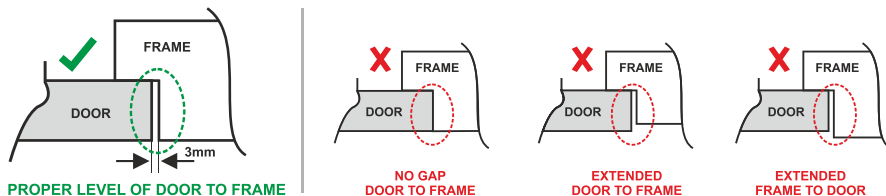


TOOLS RQUIRED



2.1 Prepare The Door

Confirm that door and frame surface are in same level



2.2 Marking & Drilling

- Fold the MARKER along the dotted line and place it on door at desired height from floor.
- Mark all the hole centers and mortise body cavity shape on door as mentioned on MARKER. Ref Fig. 1
- Remove MARKER and drill holes on marked points as per dimension mentioned on MARKER. Ref Fig. 2

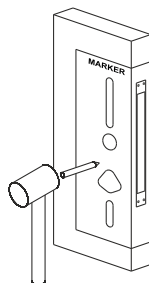


Fig. 1

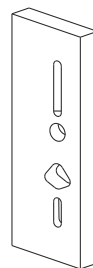


Fig. 2

2.3 Latch Bolt Function

- Latch bolt on mortise lock body are non rotatable type and are suitable for both left hand and right hand doors.
- Deadbolt functions are fully automated
- Sensor latch will detect the door closure activity which automatically activates the deadbolt and lock the door.
- The Biometric finger sensor on handle also activate/deactivate the deadbolt for opening and door closure.

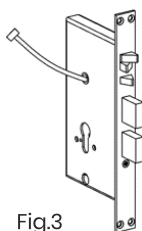


Fig.3

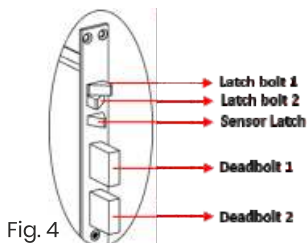


Fig. 4

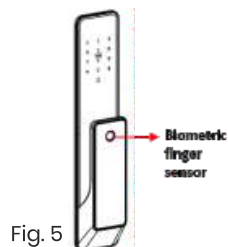


Fig. 5

2.4 Mortise Body Installation

- Clamp the Mortising fixture on door as per the mortise body cavity shape marking done with MARKER Ref Fig. 6.
- To fix Mortise lock body on door 2 nos cavity is required. for first cavity use Dia 18mm cutter for mortising.
- Set the depth of first cavity on fixture by measuring the mortise body. Ref Fig. 7.
- Attach the Hand drill to fixture by tightening drill chuck and create first cavity.
- To prepare second cavity use Dia 22mm cutter for mortising.
- Set the depth of second cavity on fixture by measuring the mortise body plate thickness. Ref Fig. 7.
- Attach the Hand drill to fixture by tightening drill chuck and create second cavity.
- Place the mortise lock body in to the cavity and fix it with its respective screws. Ref Fig. 8.
- Ensure the connection wire of mortise lock body remains out through the drilled hole on door as per marker.
- Insert the Mortise cylinder through Mortise lock body and fix it with its respective screws. Ref Fig. 8.

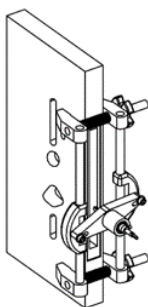


Fig. 6

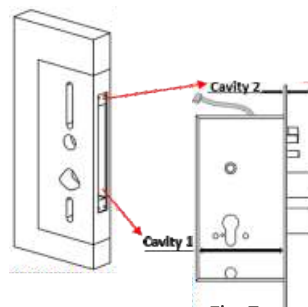


Fig. 7

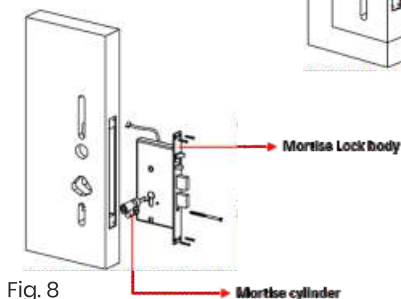


Fig. 8

2.5 Handle Installation

- Install two connection studs to the outer handle panel.
- Insert safety knob pin in to safety knob hole on inner handle and fix by split pin. Ref Fig. 9.
- Place the outer handle panel from outside and the Inner handle panel from inside of door, make sure the connection studs & power wire pass through the drilled hole on door.
- Connect the connection line between mortise lock body and outer handle. Ref Fig. 10.
- Connect the connection line between both the inner and outer handles. Ref Fig. 10.
- keep the extended wires inside the drilled hole on door
- Align the handles from both sides and compress both the handle panels to door. Ref Fig. 11.
- Tighten the 2 nos screws along with connection studs to fix the handles on door.
- Ensure the proper alignment of handles from both side of door.

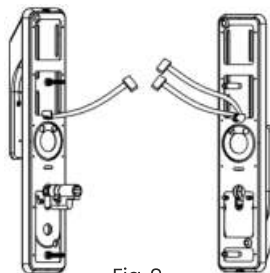


Fig. 9

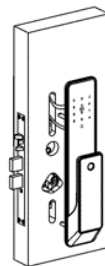


Fig. 10

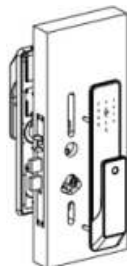


Fig. 11

2.6 Final Checking Of Lock Operation

- Ensure the Mortise cylinder function is proper by inserting the mechanical keys.
- These lock is having an in-built rechargeable battery (non removable type)
- Ensure the touch panel is responding as per the input.
- Ensure the proper and smooth function of safety knob while rotating Ref Fig. 12
- Ensure the proper and smooth functioning of latch bolt and deadbolt. Ref Fig. 12.

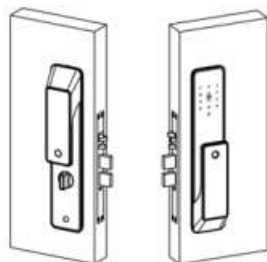


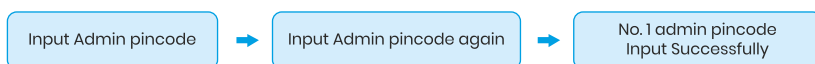
Fig. 12

3. Operation

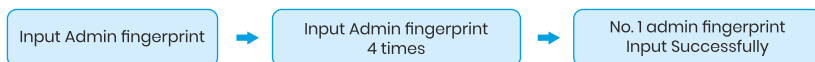
3.1 Add Admin Under Factory Mode

Admin fingerprint and pincode default to No.1 fingerprint and No. 1 pincode, Admin pincode is combined with 6 digits

1. Activate lock screen, press "#",input default admin pincode "123456" as voice guidance to verify, press "#" to confirm



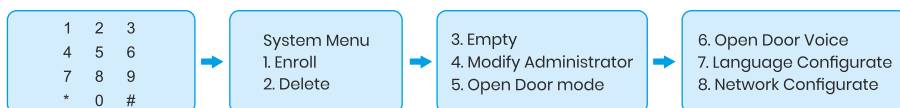
2. Input fingerprint four times as voice guidance



Total 2 Nos. Admin Fingerprint and 1 No. Admin Pincode, after registering No. 1 admin fingerprint, No. 2 admin fingerprint is optional

3.2 Enter System Menu

Activate lock screen, press "#",verify with admin fingerprint or pin code as voice guidance, press "#"to confirm, then you could enter the main system.

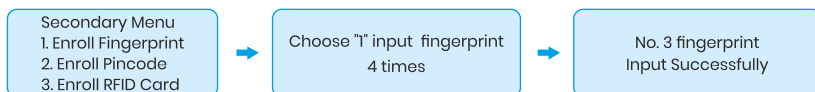


3.2.1 Enroll User

Enter System Menu,choose [1. Enroll] as voice guidance

3.2.1.1 Enroll Fingerprint

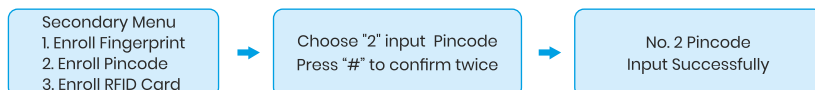
Enter system menu,choose [1. Enroll], choose "1" input the fingerprint four times



Total 2 Nos. Admin Fingerprint, default to No. 1 fingerprint and No. 2 fingerprint, Regular fingerprint begins from No. 3

3.2.1.2 Enroll Pincode

Enter system menu, choose [1.Enroll], choose "2", input pincode, press "#" to confirm twice

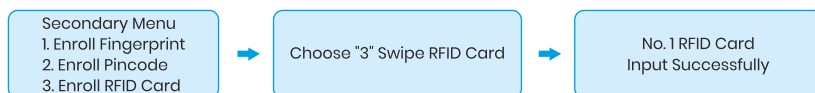


3.2.1.3 Enroll RFID Cards

Enter system menu, choose [1. Enroll] , choose "3", swipe RFID card one time



Total 1 No. Admin Pincode, default to No. 1 pincode, regular pincode begins from No. 2. Pincode is combined with 6 digits.



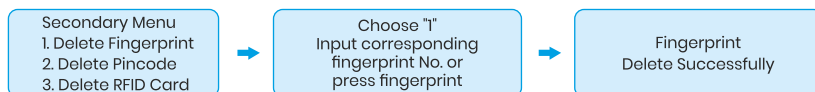
There are not Admin RFID cards, the lock system will allow to add max 200 RFID cards.

3.3 Delete User

Enter system menu, choose [2. Delete] as voice guidance

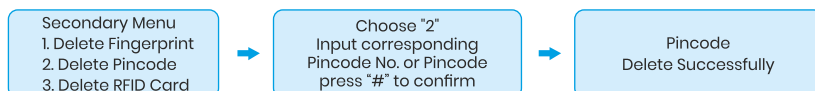
3.3.1 Delete Fingerprint

Enter system menu, choose [2. Delete], choose "1", input corresponding fingerprint No. or press fingerprint.



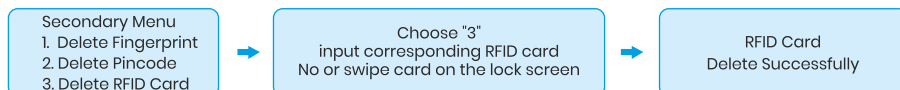
3.3.2 Delete Pincode

Enter system menu, choose [2. Delete], choose "2", input corresponding pincode NO. or pincode, press "#" to confirm



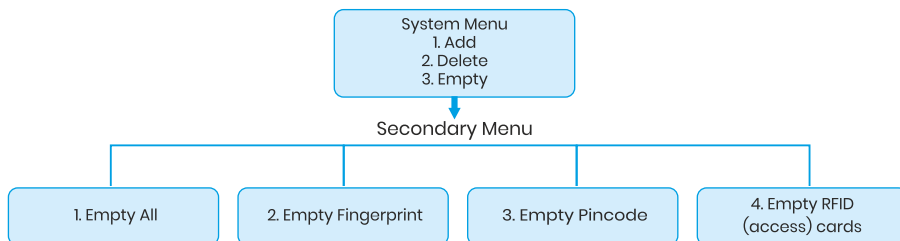
3.3.3 Delete RFID Card

Enter system menu, choose [2. Delete], choose "3", input corresponding RFID card No. or Swipe card on lock screen



3.4 Empty to Factory Mode

Enter system menu, choose [3. Empty] as voice guidance



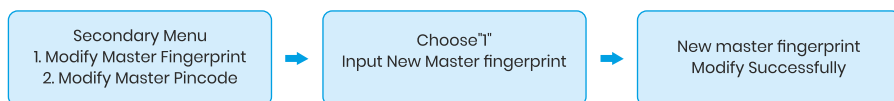
Empty all refers to restoring factory mode

3.5 Modify Administrators

Enter system menu, choose [4. Modify Administrators] as voice guidance

3.5.1 Modify Master Fingerprint

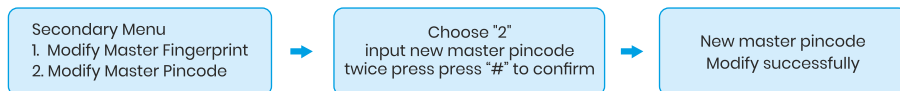
Enter system menu, choose [4. Modify Administrators] as voice guidance



1st operation is to modify No.1 master fingerprint
2nd operation is to modify No. 2 master fingerprint
3rd operation is to modify No. 1 master fingerprint
4th operation is to modify No. 2 master fingerprint ... (Cycle)

3.5.2 Modify Master Pincode

Enter system menu, choose [4. Modify Administrators] as voice guidance



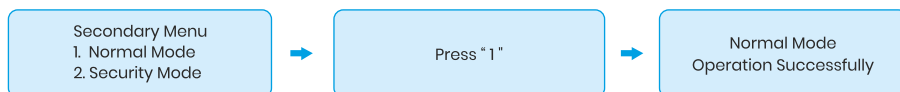
Input a 6-digits admin pincode twice as voice guidance and do not repeat the old one

3.6 Open Door Mode

Enter system menu, choose [5. Open Door Mode] as voice guidance

3.6.1 Normal mode

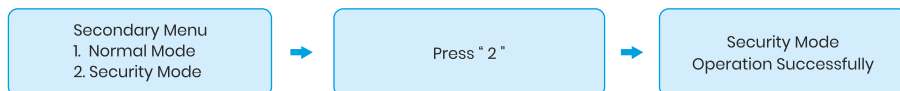
Enter system menu, choose [5. Open Door Mode] as voice guidance



Unlock verification needs only 1 user ID.

3.6.2 Security Mode

Enter system menu, choose [5. Open Door Mode] as voice guidance



1. Unlock verification needs 2 different users ID's or one user's two different unlocking ways.
2. Admin password or admin fingerprint only needs verification by one time.

3.7 Open Door Voice

Enter system menu, choose [6. Open Door Voice] as voice guidance.

Secondary Menu
1. High level volume
2. Medium level volume
3. Low level volume
4. Mute volume



Choose according to your requirements
Operation Successfully



NOTE

1. There is voice guidance verification successful or failed
2. Under mute mode, the lock will still alarm when unlock verification successful or failed Remain the other guidance

3.8 Language Configure

Enter system menu, choose [7. Language Configure] as voice guidance

Secondary Menu
1. Chinese
2. English



Choose according to your requirements
Setting Successfully

3.9 Network Configure / Network Setting

3.9.1 Basic Functions

Remote unlocking, temporary password unlocking, unlocking records checking, power indicating, alerting for low power, locking and prying, and smart home linkage.

3.9.2 Download the App on the mobile phone.

Search and download the APP "EuropaApp" in the Android App Market or IOS App Store. Register and log in your account with your mobile phone number.

3.9.3 Connect the lock with mobile App.

- Enter lock system menu, choose [8. Network configure] as voice guidance,
- "1" to connect the network, "2" to delete the network, press "1".
- Click "+" in the upper right corner of the mobile APP homepage to add device →
- select "Add Device" → "Lock (Wi-Fi)" → Input the Wi-Fi name and password →
- Device added successfully, click "Done".

When the mobile phone gets connected with the net, the lock voice guidance will indicate: "the network is connected successfully"

4. EUROPA DIGITAL APP Networking (Optional)

4.1 Download EUROPA DIGITAL APP

Search for Europa Digital in the Apple App Store or Android market and download the App.



Europa Digital

Available on



Google Play



App Store

4.2 Account Registration



Fig. 13.

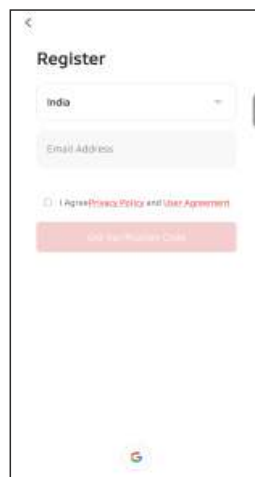


Fig. 14.

4.2 Account Registration

1. Click "Register", the privacy policy page. After read and agreeing, the account registration page will be entered
2. You can register by email. The country/region follow the setting of the mobile phone system, or you can manually change country, country cannot be changed after the registration completed. After entering your email address, get verification code on email.
3. After entering the received verification code, the page will jump to the password setting page. After setting the password according to the instruct below, click "Finish" to complete the registration (Wi-Fi and Bluetooth must enabled during operation)

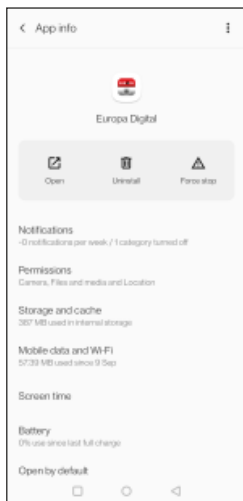


Fig.15.

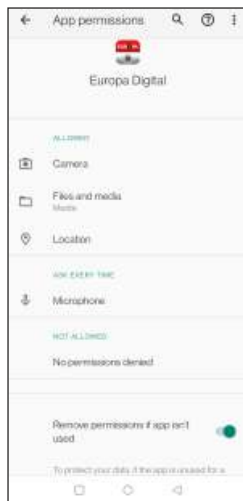


Fig. 16.

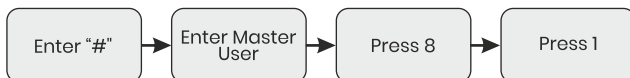
Open the application permissions, skip to the second image, permissions are all designed to allow.

Note- Need to give permission to all access for Europa Digital Application.

4.2 Account Registration

4.2.1 Add Lock

Note – After adding Master Password please proceed below settings



1. Lock will get pop up then click on add. Fig. 18.
2. Add Wi-Fi(Home Router) id and password as shown in Fig. 19.(It can only connect to 2.4G Wi-Fi)

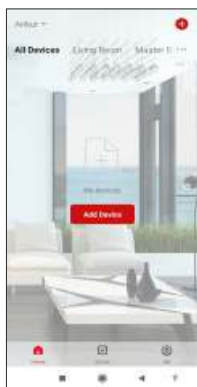


Fig. 17.

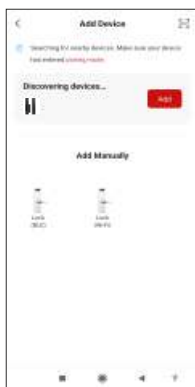


Fig. 18.



Fig. 19.

3. Shows successful addition of lock after the voice prompt "succeeded". Fig. 20.
4. Screen shows successful addition of lock in mobile application. Fig. 21.

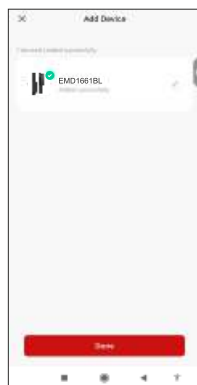


Fig. 20.



Fig. 21.

4.2.2 How to add family members and other members:

1. Click on member management. Fig. 23.
2. Right side upper corner click on "+" sign, you will get pop up of family member and other Member. Fig. 23.
3. Click on family member. Fig. 24.
4. Mention your name, region(country), account (Email optional). Fig. 25.
5. For account if we mention email id, then notification will go to concern person.

note- concern person should have europa digital app in mobile phone.



Fig. 22.



Fig. 23.



Fig. 24.

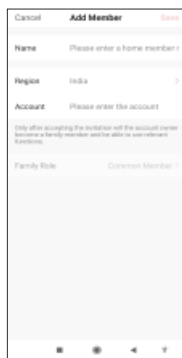


Fig. 25.

Note- Process is Same for Other Member to Add Fingerprint Password RFID Card like Family Member

1. Click on added Family Member.
2. Click on add (For Fingerprint, Password and RFID Card) Fig. 26.
3. Press "7+#" on Lock to add The user as shown in Fig. 27.



Fig. 26.



Fig. 27.



Fig. 28.

1. After successful addition of (Fingerprint, Password, RFID Card) enter the name of the Person as shown in Fig. 29.
2. Once enabled, a Duress alert is triggered if the door is unlock with Fingerprint, Password, RFID card. Fig. 30.
3. Click on done. Fig. 31.

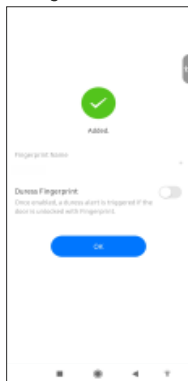


Fig. 29.

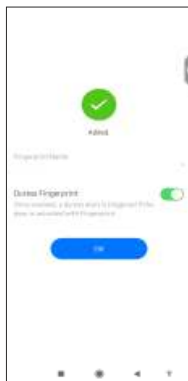


Fig. 30.

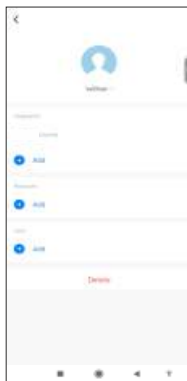


Fig. 31.

4.2.3 Alerts & unlocking records:

1. Click on added lock. Fig. 32.
2. You will find Alerts & Unlocking Records. Fig. 33
3. Click on Alerts (🔔) you will get information about unauthorized Entry and Duress Alert. Fig. 34.
4. Click on Unlocking Records you will get data of unlocking. Fig 35.

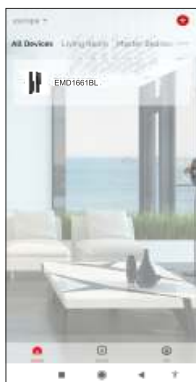


Fig. 32.



Fig. 33.

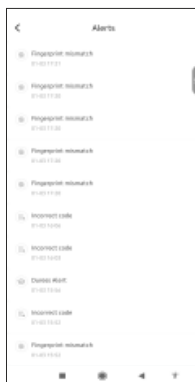


Fig. 34.



Fig. 35.

4.2.4 How to set Temporary Password(Online Password) :

1. Click on added lock. Fig. 36.
2. Click on Temporary Password. Fig. 37.
3. Click on Time Limited Password (Online Password). Fig. 38.



Fig. 36.



Fig. 37.

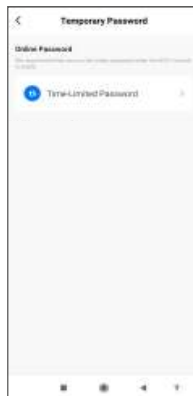


Fig. 38.

4.2.5 How to set Temporary Password: Time Limited Password

4. Click on add or click on "+" sign (Right Side Top Corner). Fig. 39.
5. Click on Generate Randomly to get auto generated password or type password manually up to 7 digit. Fig. 40.
6. Enter Password Name, set Effective Time & Expiration Time.
7. If Time Limited Password needs to be repeated multiple times in a week then select on Repeat, set Start Time & End Time, also select days as per Requirement. Fig. 41.

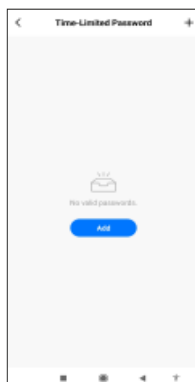


Fig. 39.

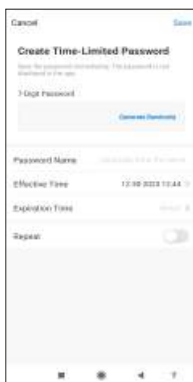


Fig. 40.



Fig. 41.

Note: The lock and the mobile phone must work in the same internet

5. Methods of using – EMD1661BL

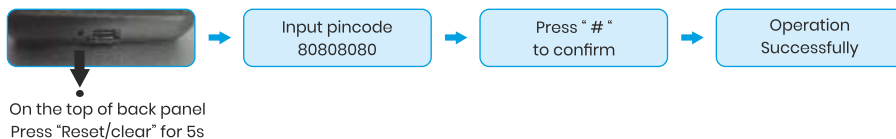
5.1 Remote unlocking

Press "*" on the lock to exist the system menu → press "00#" to active the remote opening function → on the APP appears the "Remote Unlocking Request", slide the key to "agree" (within 60s).

5.2 Delete the device

Enter the no. 8 item of the voice main menu "Network configure": "1" to connect the net, "2" to delete, press "2", it will indicate "the network is deleted successfully".

5.3 Force to Factory Mode



5.4 Time-out period

1. Anti-skid alarm time: 300s
2. System locked time: 120s (5 validation errors)
3. System entering hibernation without operation: 20s

5.5 Random Password

In order to avoid password being peeped during user inputting, our lock system allows to add any number (s) before or after registered passwords.

Operation: add any number (s) before or after registered passwords (Total length: Max. 30. digits)

For example: the registered password :963478, any number before or after 963478 within 30 digits

827 + 963478 + 2785

5.6 Low Voltage Alarm

When batteries voltage is lower than 7V, the system will have sounds prompt for charging batteries after opening the door
(Type-C Interface on the top of back panel for Charging)

5.7 Emergency Power/Recharge

Type-C on the bottom of front panel is for emergency power supply: when the batteries are exhausted, use power bank to plug in the emergency power port to gain power;

Type-C on the top of back panel is for charging the batteries: red light indicates being charged, when it turns to green light indicates charging completed

5.8 Open With Key

Remove the cover of front handle (Using a pin plug into the pin hole located on back of front handle then push outside), you could see the cylinder hole, use the mechanical key for unlocking.

5.9 Alarm when the door is not closed properly

Press the latch for 8 seconds, there will be voice guidance: the door was not closed and it will Beep continuously.

The alarm will last for 30 mins and stop.

It can't be unlocked by fingerprint, password, cards.

6. Technical Parameters

No.	Type	Details	Basic Specification
1	Power	Working Voltage	7.4V Lithium Battery
		Battery Cycle	≈ 500 times charge and discharge cycles
		Battery Life	One Charge for about 1.5 years
2	Fingerprint Sensor	Fingerprint Capacity	100 pcs (2 for Admin)
		Collection Angle	360°
		Fingerprint Sensor	Semi-conductor
3	Password	Length	6 Digits
		Capacity	30 Groups (1 for Admin)
4	RFIDCard	RFID Card Type	Mifare Card (Encrypted)
		RFID Card Capacity	200 pcs

The product offered by “**Welmade Locking Systems Private Limited**” is warranted as per the Terms & Conditions mentioned below. Damage due to abuse or negligence, faulty installation/fitment is not covered in warranty. During warranty period, if product is found to be defective in workmanship or due to any material/parts used, product will be repaired or replaced by similar part/product at sole discretion of the company.

WARRANTY TERMS AND CONDITIONS

1. A product offered by 'EUROPA' comes with a warranty period of 3 years from the date of manufacturing mentioned on the product.
2. If product undergoes repair or replacement, the product warranty will be effective from the original date of manufacturing. The original warranty card should be submitted with the defective product in case of replacement. The warranty card with the new product should be filled with the original date of purchase. The company will own faulty parts/product. The replace parts/product should be returned to the company.
3. Product damage or non-operation of the product due to sagging of the door i.e. hinge loosening, or due to weather effect on product, door or door frame are not covered under this warranty.
4. Product surface finish and shade variation is not covered under this warranty.
5. Any modification, tampering or amendment in the warranty card or purchase bill/invoice will render warranty of the product.
6. The product warranty will be void in following circumstances or conditions:
 - a) Misuse/improper application.
 - b) Not following direction/instruction of use.
 - c) Failure to install the product without using installation guide.
 - d) Modification in the product/part or removal/alteration of parts and components.
 - e) Application or seepage of liquid/oil/chemical/paint in key hole or inner part of the product.
 - f) Product damage or non functional due to improper operational environment, such as natural calamity, lightening, exposure to direct sunlight, rain, high humidity etc.
 - g) Damage due to duplicate key, not of 'EUROPA' BRAND make, entry of foreign substances in the key hole, accidents/fire/robbery.

7. In case a product is found non-operational after purchase and before installation, then same will be replaced after confirmation at the point of sale.
8. Product to be installed/repaired by 'EUROPA' authorized technician, If not, then warranty claim will be void.
9. All incidental charges in the course of the repair/rectification shall be borne by the consumer/purchaser.
10. Liability of/for any consequential loss or damage is expressly excluded.
11. Warranty carries maximum liability limited to the cost of the product and valid only in India.
12. To avail this warranty, the customer should produce this warranty card, dully filled along with original purchase bill or invoice to the nearest 'EUROPA' dealer/distributor.
13. Company holds right to amend the design/shape of the product without prior notice, in accordance with company's continuous technical improvement process.
14. 'Welmade Locking Systems Private Limited' will have final decision on a warranty claim and this will be a binding on the customer.
15. Matters/claim arising under this warranty will be subject to Pune jurisdiction only.
16. This warranty is valid in India only.
17. 'Welmade Locking Systems Private Limited' reserves the rights to amend the above Terms & Conditions without notice.

Stamp
with
Signature

Invoice No. :

Date of Purchase :

Contact No. of Technician :

Inside



Our Mission

Anti-Theft Engineering

Our Vision

**"We shall be a Global provider of
customized anti-theft products
+ solutions for every house +
institution, with an**

**"Idea to actual theft prevention"
value chain, having a global mind set;
being a good place to work, learn and
grow; with a culture of disruptive
innovation and continual improvement."**

EUROPA[®]
ANTI-THEFT ENGINEERING

electronic
D O O R L O C K



Europa Digital

EMD1661BLA

P2-A LOCK



scan for video



scan for website



*conditions apply

- Images shown are for representation purpose, actual images may vary • Specification may change in view of continuous development
- *FFS available at selected serviceable area • FFS not applicable for purchased through e-commerce platforms.



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