doup x moorgen



T53

SMART DOOR LOCK

User Manual & Installation Guide

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Please read this instruction carefully before using and keep it for reference!

FUNCTION DEFINITIONS

- Install Setting

*Installation Settings are used during initial installation and commissioning. Please operate with caution.
Wake up the lock, press the * key followed by the # key, enter the administrator password (default password: 123456) to access the settings menu.
Follow the voice prompts and press number 5 to enter Installation Settings.
Voice prompts: 1. Motor Rotation Direction 2. Latch Bolt Delay 3. Auto Relock 4. Relock Delay

1. Motor Setting
Administrator can set the lock's open directions left or right as the door open direction.

2.Latch Bolt Delay
You may set how long the latch bolt waits to extend after unlocking as needed. The default value is 3 seconds, with 3 selectable levels. A voice prompt will announce successful configuration once completed.

3.Auto Relock
When auto relock is enabled, the deadbolt will extend after a short waiting period upon unlocking.

4.Relock Delay
Set the waiting time for auto relock. There are 3 selectable levels. The default auto relock waiting time is 10 seconds before configuration.

- Initialization

Press and hold both the Unlock and Lock buttons on the rear panel for 6 seconds. When prompted "Press # to confirm", press the # key. The system will enter factory reset mode. All unlock data and records will be cleared. Upon successful reset, the default administrator password is 123456.

- Function Description

1.Wrong Attempt Alarm
If more than 5 incorrect passwords are entered consecutively within five minutes, the keypad will be locked for 90 seconds. The system will not respond to any operations during this period.

2. Password Anti-peeping Function
When unlocking via password, enter digits in this format: XXXpasswordXXX.
You can add random dummy digits before and after the actual password, then press # to confirm.The valid password must be contained within the entered sequence.

3. Passage Mode
Enable Passage Mode. After one unlock operation from outside the door, the system enters Passage Mode. Any fingerprint can unlock the lock.Once the lock is deadbolted, Passage Mode will be temporarily disabled; only administrators and regular users can unlock it. After unlocking from outside the door again, Passage Mode will be reactivated. Passage Mode can only be fully turned off via system settings.

Notes:
1.After Passage Mode is enabled, human body detection will be turned off. If you need to unlock via face recognition, manually activate the keypad first before use.
2.Stay alert reminder will be disabled under Passage Mode.

4. Low Battery Alert
When the voltage drops below 6.9V, an alarm will trigger automatically upon every unlock. The lock can be unlocked 200 times after the alert. Unlocking will be disabled once this limit is exceeded. Please charge the batteries before power depletion.

5. Sensing Distance
Motion can automatically wake the lock based on the sensing distance. The sensing distance can be adjusted as required. Level 0 disables human body detection; Levels 1 to 3 correspond to approximately 0.2m to 1m. Human body detection restarts with a 10-second delay after each unlock to prevent accidental activation when exiting. If human body detection is triggered 5 times automatically, and no face is detected or unlock operation is performed after timeout on all 5 occasions, the system will temporarily disable sensing for 2 hours. The function will resume after 2 hours or upon the next operation. This prevents excessive power drain caused by frequent false wake-ups in high-traffic areas.

6. Emergency Power Supply

When the lock runs out of power, you may use a power bank to supply emergency power for unlocking via the charging port under the keyhole cover.

7. Stay Warning

After waking up the door lock, enter “ 081# ” to turn on the stay warning and “ 082# ” to turn it off. Once this function is enabled, the door lock will start snapshoting and send a notification to the Moorgen App when someonestays at the door.

（Note: This function requires registering face users, turning on human body induction and connecting the door lock to the inthernet.）

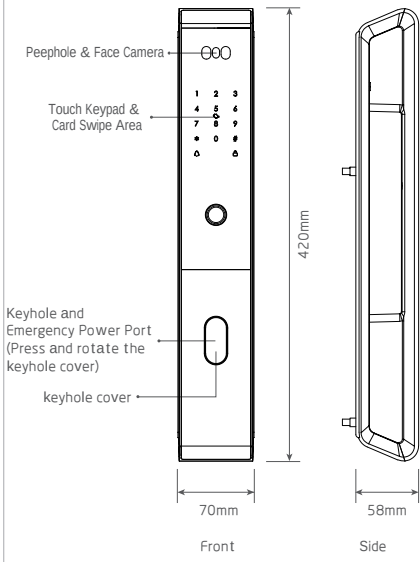
8.Dual Verification

Once enabled, two different regular users are required for verification when unlocking (e.g., card + fingerprint, fingerprint + face, etc.); administrators are not restricted by this.

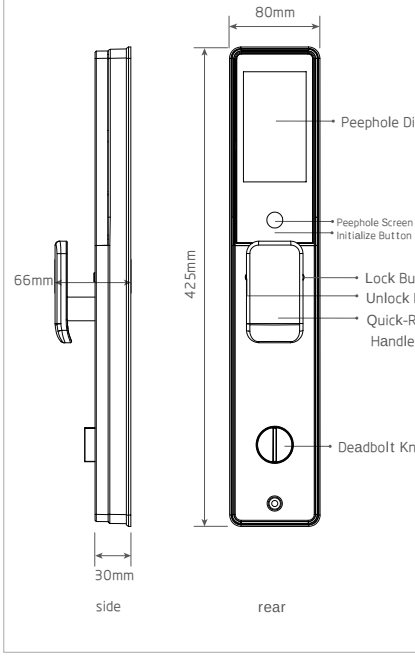
Product Parameters

- Model: T53s
- Product Name: Moorgan Smart Fingerprint Door Lock
- Operating Voltage: 7.4V （5000mAhlithium battery)
- Standby Time: 6~8months
- Emergency Power Supply: DC5V、Type-C port
- Quiescent Current: ≤300uA （average value)
- Operating Current: ≤300mA （average value)
- Motor Operating Current: ≤2A
- Low Voltage Alarm: ≤6.9V
- Fingerprint Capacity: ≤100groups
- Password Capacity: ≤300groups
- Face Recognition Capacity: ≤100groups
- Palm Vein Capacity: ≤100groups
- Card Capacity: ≤299groups
- Radar Sensing Distance: 0.4~1.3m
- Card Induction Distance: 0~20mm
- Operating Temperature: -10~60℃
- Operating Humidity: ≤93% （non-condensing)

Product Schematic Diagram

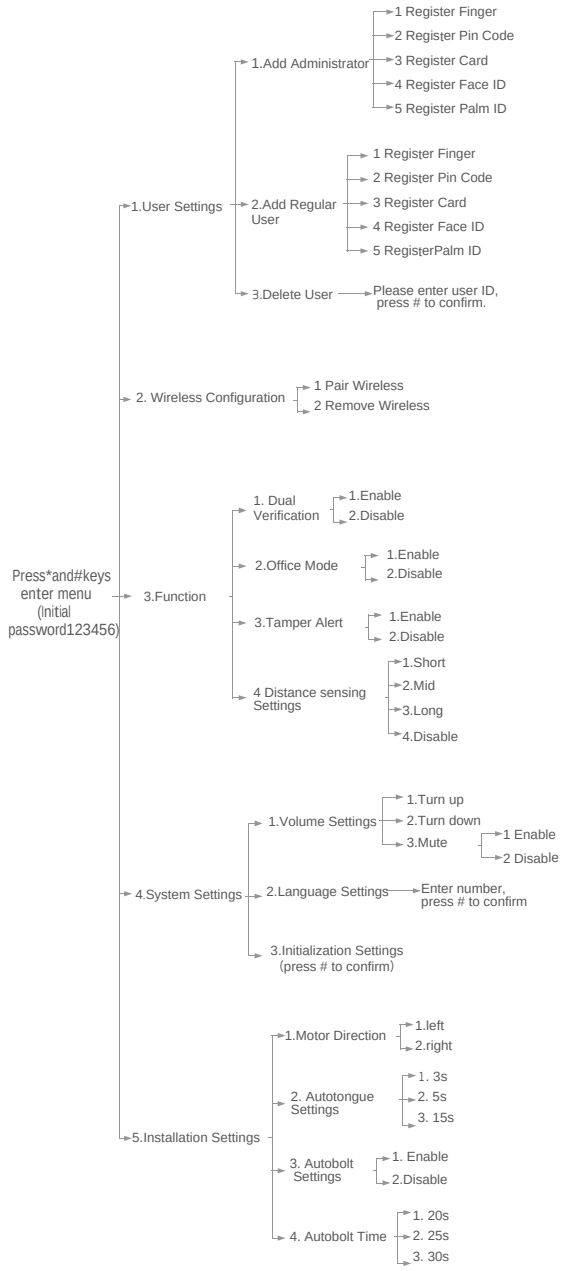


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Menu Settings Overview Diagram

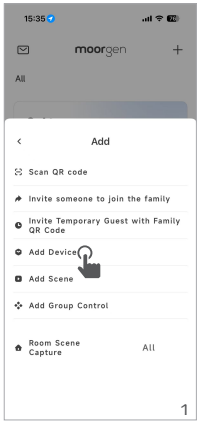


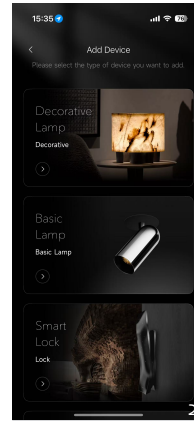
App installation

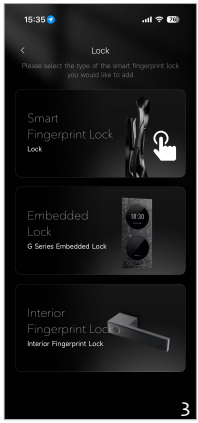
- Scan to download the Moorgen Life App, register an account, and log in.

Instructions for use

- After registering and logging in, navigate to the homepage, select "Add Device," and choose the correct model

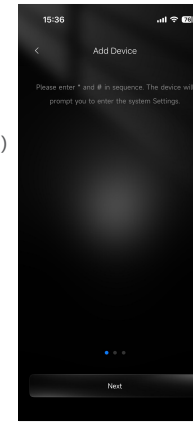






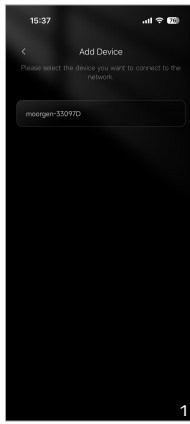


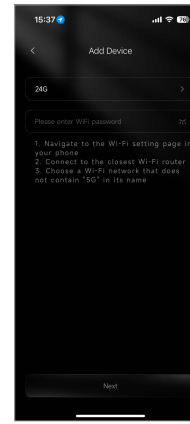
- Follow the App's network setup guide: Wake up the keypad on the smart lock and enter "*" and "#" keys. Verify the administrator password (initial password is 123456)



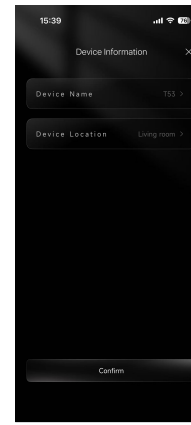
access wireless settings, then choose "2" to delete existing wireless devices, then select "1" to pair a new wireless device. Click " Next" to proceed.

- Select the Bluetooth named "moorgen-****" and click on Connect. Enter the name and password of the 2.4GHz WiFi network that you want to connect to, then click Next.



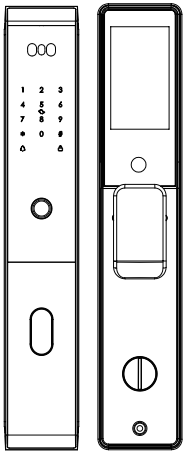


- After entering the device name and location, the connection setup is complete.



What's in box?

①Outdoor Indoor UnitsX2
②IC CardX2
③Mechanical KeysX2
④BatteryX1
⑤Brief Description
⑥ Accessories PackageX2
⑦ Charging CableX1
⑧ Installation TemplateX1
⑨ Silicone PadX2



①



②



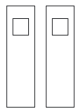
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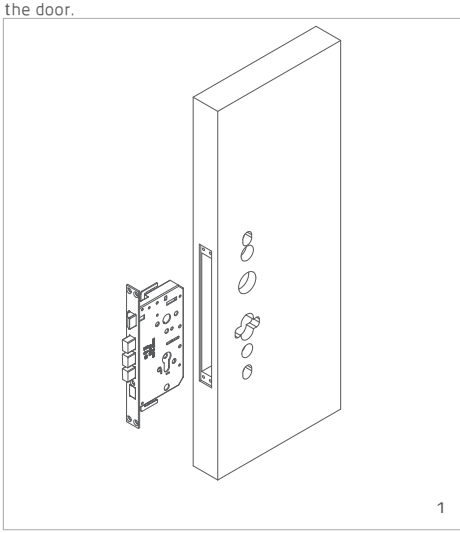


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INSTALLATION PROCEDURE

1 Drill Holes on the Door

Drill holes on the door as specified by the hole template. Verify no jamming between lock body and door, smooth door opening/closing, and clear debris around the lock body inside the door.

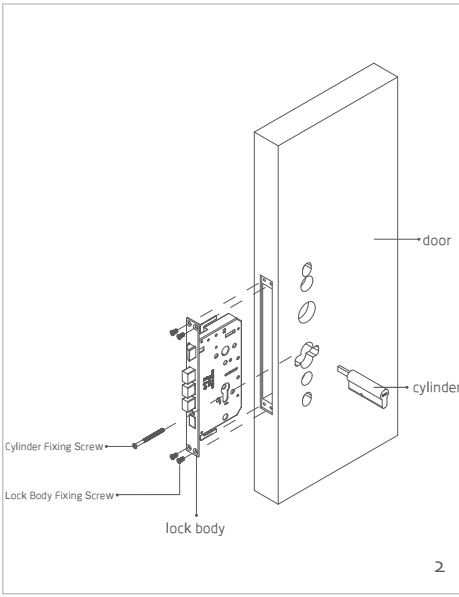


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2、Install Lock Body and Cylinder

1. Secure the lock body inside the door with four M5 screws.

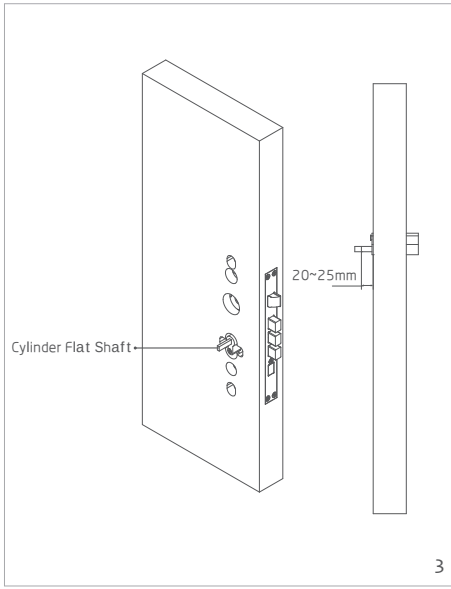
2. Insert the cylinder into the lock body from the outside of the door, then fasten it with an M5 screw.



2

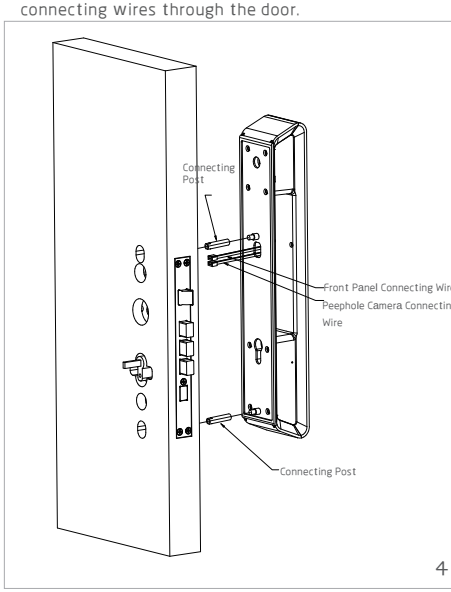
3、Cylinder Flat Shaft Cutting

Cut the cylinder flat shaft so that 20~25mm extends outside the door. Polish sharp edges smooth after cutting.



4、Install Front Panel

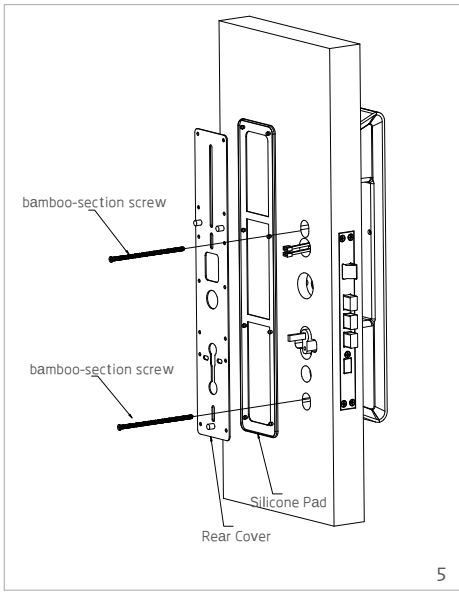
1. Secure the two connecting posts onto the panel
2. Insert the front panel into the lock body by aligning it with the cylinder hole, and route the front panel connecting wires through the door.



5、Secure the Front Panel

1. Press the rear cover and silicone gasket against the door.

2. Cut the 4 bamboo-section screws to the required length according to the door thickness to secure the front panel, then tighten the cylinder fixing screw.

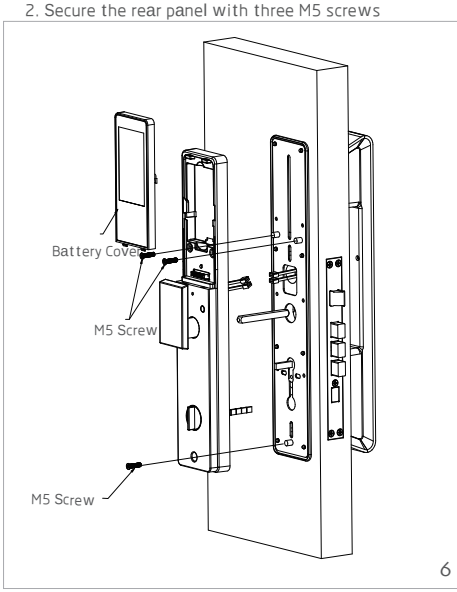


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6、Secure the Rear Panel

1. Open the battery cover. Ensure the front-rear connecting wires and peephole camera connecting wire are properly plugged in, then tuck the excess wire into the door.

2. Secure the rear panel with three M5 screws

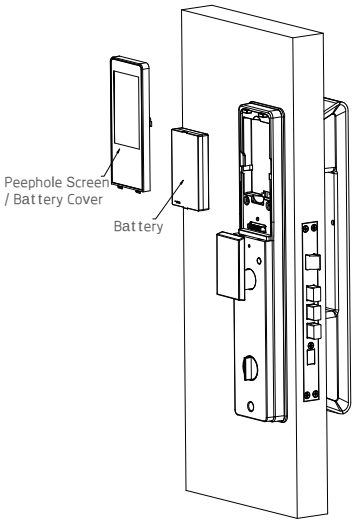


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7、Install Batteries

1. Insert batteries into the battery compartment and fasten the peephole screen.

2. Lock and unlock to check whether the motor runs smoothly and verify all electronic functions work properly;



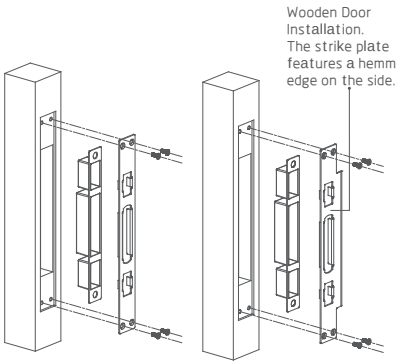
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8、Install Strike Box / Strike Plate

1. Secure the strike box and strike plate to the door frame in sequence.

2. Test normal unlocking via the cylinder and rear emergency knob.

3. Installation completed.



8

The name and content of hazardous substances in the product
In order to meet the relevant laws, regulations and other requirements of China's restriction of hazardous substances in electronic and electrical products, the hazardous substances in the products, classified by components, are declared as follows.

Parts	Toxic and Hazardous Substances or Elements					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr(VI))	Polybrominat -ed biphenyls (PBBs)	Polybrominated diphenyl ethers (PBDE)
Metal fittings	×	○	○	×	○	○
Plastic fittings	○	○	○	○	○	○
Printed circuit board assembly	×	○	○	○	○	○
Connecting cables	×	○	○	○	○	○
Collector	○	○	○	○	○	○
Touch screen	○	○	○	○	○	○

This form has been prepared in accordance with SJ/T11364

○: indicates that the content of the hazardous substance in all homogeneous materials of the part is below the limit req -uirements specified in GB/T26572;

×: indicates that the content of the hazardous substance in at least a homogeneous material of the component exceeds the limit requirements specified in GB/T26572;

Note 1: This product applies the concept of environmental protection design, the toxic and hazardous substances are effectively controlled, the toxic and hazardous substances or elements represented by "×" are mainly limited by the level of technological development, and the replacement of toxic and hazardous substances or elements cannot be realized.
Note 2: Some of the above classifications vary depending on the specific product, and the actual product shall prevail.

The "period of use" is shown in the figure. The "eco-friendly use period" of this product is 10 years, and the eco-friendly use period of replaceable parts such as batteries may differ from the eco-friendly use period of the product. The "Eco-Friendly Use Period" is valid only when this product is used under normal environment as described in this instruction manual.



This equipment contains a radio transmitting module with type approval code: CMIITID: 24J44X0RL600

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