



Smart Lock **SL60** Quick Guide

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Warning

Keep the device and all its parts out of the reach of children. The small parts or accessories contained may be a choking hazard to them.

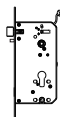
In the Box



Front Body **X1**



Back Body **X1**



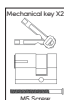
Mortise Lock
Body **X1**



Strike Plate **X1**



Dust Box **X1**



Lock Cylinder
Kit **X1**



Battery **X2**



M5 Screw **X1(Spare)**



Φ6X40 Male-Female
Standoff **X2**



Φ6X25 Male-Female
Standoff **X2**



Φ8.2X36.5 Male-Female
Standoff **X2**



Φ8X36 Female-Female
Standoff **X2**



M4x8 Screw **X3**



M4x6 Screw **X2**



M5x12 Screw **X4**



M5x10 Screw **X4**



Square Shaft **X1**



M4x75 Connecting
Screw **X2**



M4 Connecting
Screw **X2**



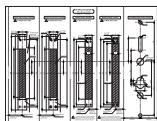
M5 Connecting
Screw **X2**



M5x30 Connecting
Screw **X2**



Quick Guide **X1**

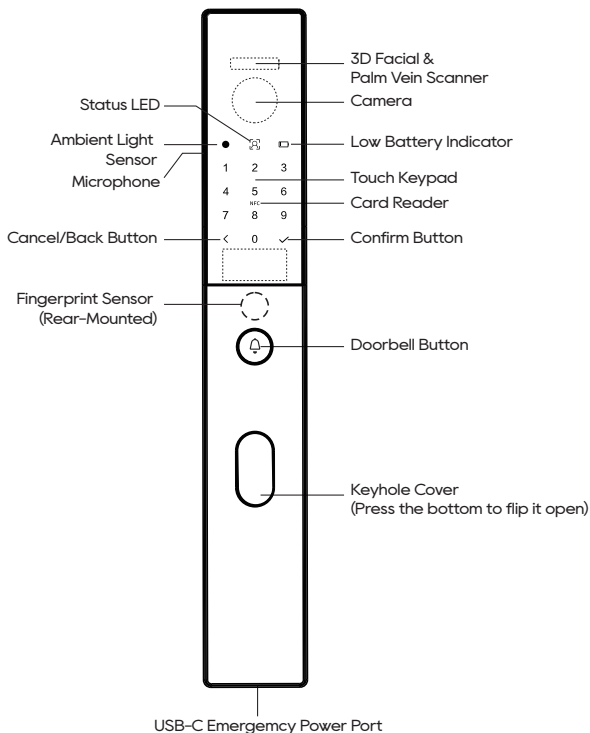


Drilling Template **X1**

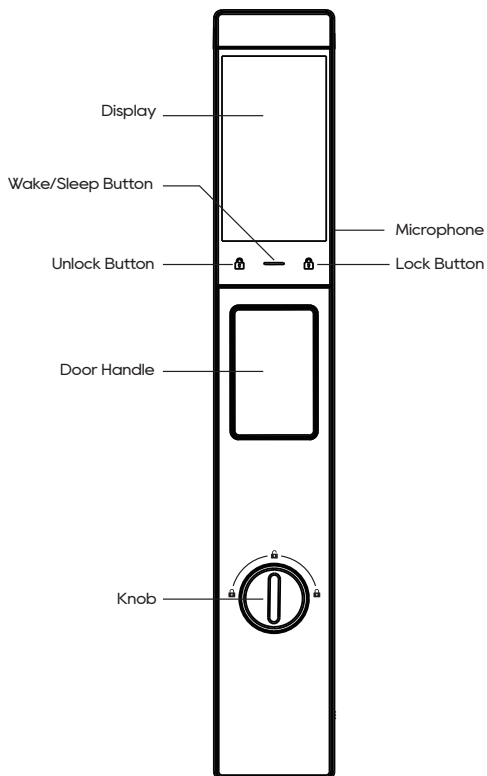


Smart Card **X2**

Product Overview



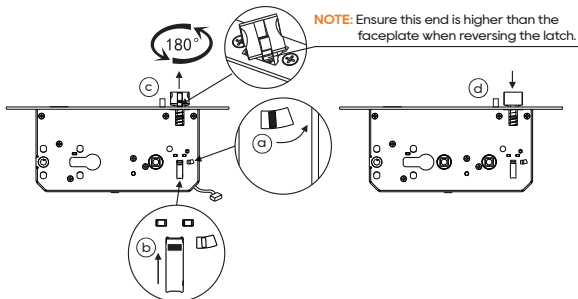
NOTE: If the battery is completely drained, use a power bank for emergency unlocking. Turn it on before connecting to the lock.



Installation

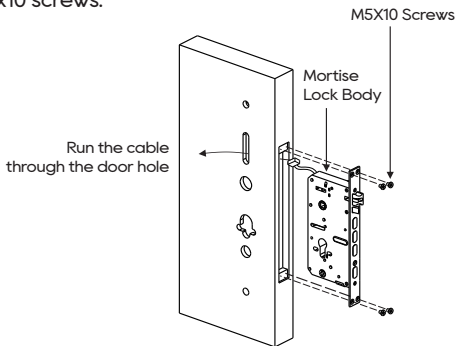
Step 1 Adjust Latch Direction

1. Hold the mortise lock upright with the latch facing upward.
2. Follow these instructions (refer to the illustration) :
 - a. Push the stopper to the right.
 - b. Push the slider upward.
 - c. Let the latch pop out, then rotate it 180° .
 - d. Press the latch back into place.

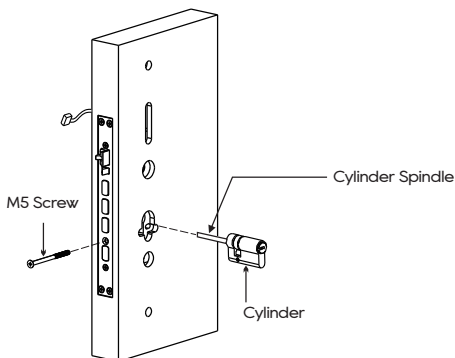


Step 2 Install Mortise Lock Body

1. Insert the lock body into the door, and secure it with four M5x10 screws.



2. Insert the cylinder(keyhole outward) into the lock body and secure it with an M5 screw. Ensure the cylinder spindle protrudes approximately 25mm beyond the door surface.



Step 3 Prepare Back Body

1. Break off the knob spindle at the designated break line according to the door thickness. Refer to Table 1 for details.
2. Remove the mounting plate and rubber backing from the back body.

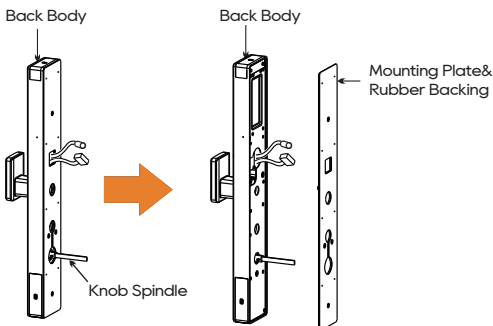


Table 1: Knob Spindle Lengths by Door Thickness

Unit : mm

Door Thickness(T)	Knob Spindle Length (Remove Shaded Region)
$40 \leq T < 50$	
$50 \leq T < 60$	
$60 \leq T < 70$	
$70 \leq T < 80$	
$80 \leq T < 90$	
$90 \leq T < 100$	
$100 \leq T < 110$	
$110 \leq T \leq 120$	

Step 4 Install Front Body

1. Attach the correct female-female and male-female standoffs to the front body. Refer to Table 2 for guidance.
2. Run the cables through the door hole and the mounting plate.
3. Use two M4 and two M5 connecting screws to secure the mounting plate, rubber backing, and front body to the door (cut screws to fit door thickness as shown in Table 2).
4. Insert the locator end of the square shaft into the square hole on the lock body (cut to fit door thickness per Table 2).

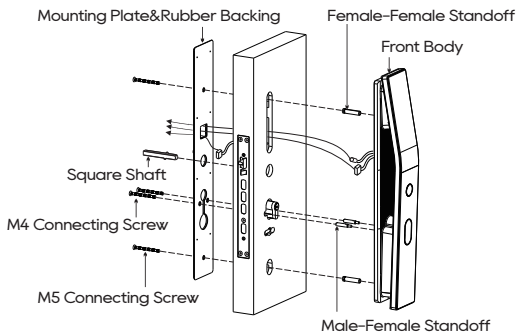


Table 2: Parts & Cutting Lengths by Door Thickness

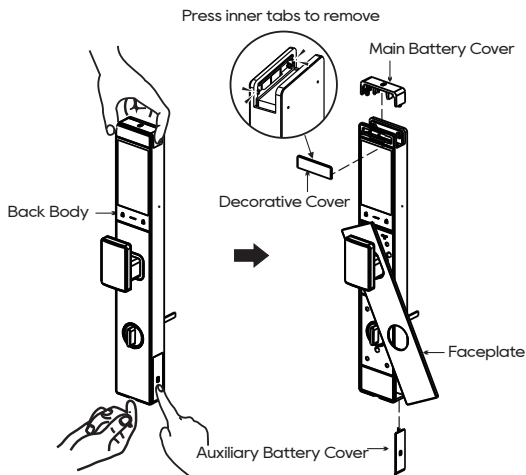
Unit : mm

Door Thickness(T)	Connecting Screw	Male-Female Standoff	Female-Female Standoff	Square Shaft
40≤T<47	M5X30*, M4X39	Φ6X25	Φ8X36	60
47≤T<57	M5X38, M4X39	Φ6X40		60
57≤T<67	M5X49, M4X47	Φ6X40		70
67≤T<80	M5X60, M4X38	Φ6X40 + Φ6X25 		70
80≤T<93	M5X38, M4X47		Φ8X36 + Φ8.2X36.5 	80
93≤T<104	M5X49, M4X56			85
104≤T<110	M5X60, M4X65			90
110≤T≤120	M5X72, M4X75*			100

*The marked screw lengths are provided. Connecting screws of other lengths must be cut to the required size.

Step 5 Install Back Body

1. Press both sides of the main battery cover and remove it.
2. Press the inner tabs on the decorative cover to release and detach it.
3. Lift and rotate the faceplate.
4. Slide down the auxiliary battery cover to remove it.

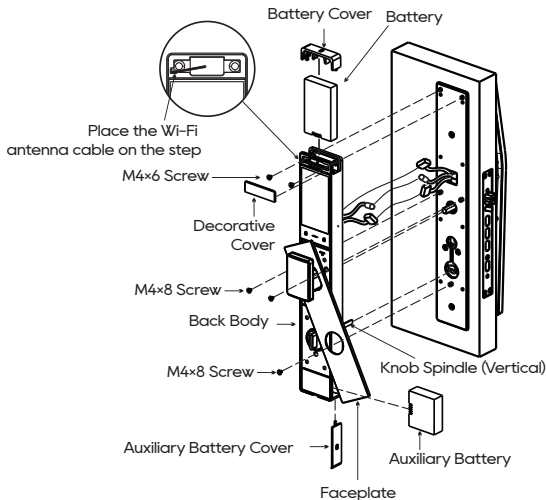


5. Connect the front body's cable assemblies to the back body's.
6. Plug the lock body cable into the socket on the back body.
7. Secure the back body to the mounting plate using two M4x6 screws and three M4x8 screws.

TIP:

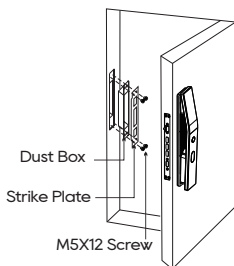
- Adjust the faceplate angle for easier installation.
- Ensure the knob spindle is inserted vertically.

8. Reinstall the decorative cover and faceplate.
9. Insert the batteries and close both battery covers.



Step 6 Install Strike Plate and Test Functionality

1. Install the dust box and strike plate on the door jamb using four screws.
2. Test to ensure:
 - The latch operates smoothly.
 - Unlocking via smart card, mechanical key, and other credentials works properly.



Configuration

View Lock Information

1. Press the “—” button on the back body to wake the display.
2. Tap **Setting** > **Device Information** to view details such as the MAC address, software version, Wi-Fi module version, and mortise lock version.

Set Motor Torque

1. Press the “—” button on the back body to wake the display.
2. Go to **Setting** > **Advanced Setting**, and enter the password (default: 999999).
3. Tap **Motor Setting** and select the desired torque level.

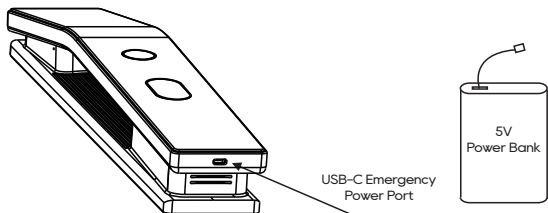
Set Motor Direction

1. Press the “—” button on the back body to wake the display.
2. Go to **Setting** > **Advanced Setting**, and enter the password (default: 999999).
3. Tap **Motor Direction**, then choose Left Open or Right Open based on the door swing.

Emergency Power Supply

If the batteries are completely drained:

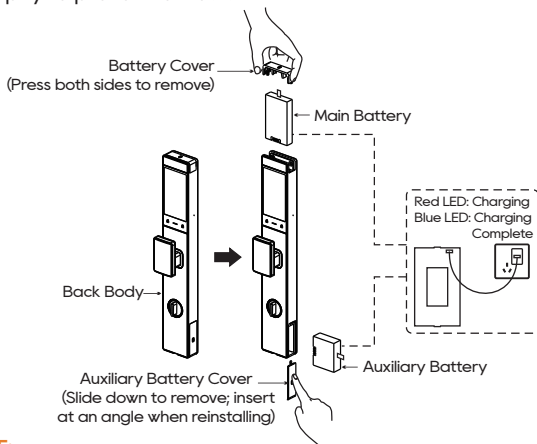
- Connect a power bank (5V/2A or above) using a USB-C cable.
- Wake up the power bank before connecting.
- Unlock using valid access credentials such as fingerprint, card, and password.



NOTE: Use external power only for emergencies. After unlocking, disconnect the power bank and recharge/replace the batteries promptly.

Low Battery Alert

A "Low battery" voice prompt means the battery is running low. Around 100 unlocks remain — replace or recharge the battery promptly to prevent lockout.



NOTE:

- Voice Prompt "Top Battery Low" = Main battery low
- Voice Prompt "Bottom Battery Low" = Auxiliary battery low

Unauthorized Attempt Alarm and Lockout

If an unauthorized fingerprint, card, or password is used:

- 1st – 2nd failed attempt: "Verification failed" voice prompt.
- 3rd – 4th failed attempt: A beeping alarm sounds.
- 5th failed attempt: Lock enters a 90-second lockout. No unlocking is allowed.

TIP: To cancel the lockout, power off the lock, then power it back on.

Use Mechanical Keys

If the electronic components fail or the door cannot be unlocked with a password or card:

1. Press the bottom of the keyhole cover to open it.
2. Insert and turn the mechanical key to unlock.

TIP: Store a spare key in a secure place outside your home.

Troubleshooting

If the lock is not functioning properly, refer to the solutions below.
If the problem persists, please contact your service provider.

Issue	Solution
No power	• Check for battery quality issues or incorrect polarity (positive/negative terminals). • Ensure the batteries are properly installed and have sufficient charge.
Fingerprint unlock fails	• Ensure your fingerprint is enrolled and has not been deleted. • Keep your finger clean and dry. Wipe the fingerprint sensor and try again.
Password unlock fails	• Confirm the keypad backlight is on. Enter each digit within 4 seconds of the previous one. • Verify that the password entered is correct and registered. • If using a fake PIN, ensure the full correct password is included.
Fingerprint & palm vein fail	• Ensure your palm vein or face is properly registered and has not been deleted. • Clean the recognition sensors and try again.
Correct operation, but still cannot unlock	Lock may be malfunctioning. Contact your service provider.
Unlock works but low battery alert sounds	Replace or charge the battery promptly.
Alarm sounding, lock unresponsive	The system is in a 90-second lockout due to multiple failed unlock attempts. Wait for the lockout to end, or cancel the lockout by powering the lock off and then back on.

Get Help

For help or more assistance,
contact us at: support@akubela.com

For videos, guides, and additional product information,
visit us at: <https://knowledge.akuvox.com>

