SYNOLOCK

SL-342H RFID Locker Lock
Setup and User Guide

Thank you for purchasing the SL-342H RFID Locker Lock. This user guide details the different functions of this product, please keep a copy for your records.

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> ⚠️ These locks can be installed on thick or thin wooden or metal doors of ≤11mm.

1. What's in the box

Each lock is packaged in its own box that includes the follow parts:

1 x SL-342H RFID Lock Housing (Installed Inside Locker Door)

2 x Phillips wood screws to secure the housing

1 x Round Reader Module Cover Plate (Installed Outside Locker Door)

2 x Multi-head screws to secure the cover plate to housing

1 x Latch Stopper

3 x Phillips wood screws to secure the Latch Stopper

1 x Screw for Battery Cover

> ⚠️ **What's not included**
>
> **RFID Cards:** You will need 2-6 pcs RFID Card for initial set up and ongoing lock management. These can be purchased from SYNOMETRIX at time of order.
>
> **RFID Tags:** No matter what type of locker lock system you purchase, your guests will need an RFID wristband, key fob or card to open the locker. These can also be purchased from SYNOMETRIX at time of order.

2. General Specifications

Operating Frequency: 13.56 MHz or customized with minimum order quantity

Operating Temperature: -15°C~+55°C

Operating Humidity: 20~95%RH

Supported Standards: ISO 14443 (MIFARE) or custom

Power: 3 AA Batteries

Light blinks on front of lock when locked

Read Distance: Up to 5 cm

Housing: Stainless + ABS

Lock Outer Ring Dimensions: 45mm x 100mm

Lock Outer Thickness Dimensions: 13mm

Inside Lock Housing Dimensions: 125 mm x 65mm x 20mm

Weight: 200g

3. Initialization

> ⚠️ **Initialization will remove <u>all</u> programmed cards and return the lock to factory settings.**

1. Remove the battery compartment cover and insert 3 AA alkaline batteries into the holder.
2. Insert the plug of the rear panel into the socket of the front panel
3. Press the RESET button until a beep is heard, the red LED lights up, and a melody chime sounds.
4. The lock is now initialized.

4. Owner Card Programming

> ℹ️ **Only One Owner Card is allowed for each lock.**

> 💡 **Use the same Owner Card for all locks of the same project.**

> 🛑 **Owner Card is used for programming only.**
> **<u>It cannot be used to lock or unlock.</u>**

Programming Owner Card

1. After initialization, scan the first Mifare card near the inductive area.
2. The green LED will light up and a chime sound.
3. This card is now the Owner Card. Label the card and store in a secure location when not in use.

Changing Owner Card

1. Remove the front lock housing from the door.
2. Follow initialization procedure in section 1.
3. Program a new Owner Card as instructed above.

5. Master Card Programming

> ℹ️ **1 to 5 Master Cards are allowed for each lock.**

> 💡 **Management Tip: Use different Master Cards for locks in different areas.**
> **E.g. men's and ladies' change rooms**

Programming Master Card(s)

1. Scan the Owner Card. A chime will sound and both LEDs will blink for 6 seconds.
2. During these 6 seconds, scan up to 5 unused Mifare cards to be programmed.
3. The scanned card(s) is(are) now the Master Card(s). Label the card(s) and store in a secure location when not in use.

Removing Select Master Card(s)

1. Scan the Owner Card. A chime will sound and both LEDs will blink for 6 seconds.
2. During these 6 seconds, scan the Master Card(s) to be removed.
3. A different chime will sound indicating that the card(s) has been removed.

Removing ALL Master Cards

> ⚠️ **This will also remove all programmed User Cards.**

1. Scan the Owner Card twice. A chime will sound and both red and green LEDs will blink.
2. Scan the Owner Card a third time. A different chime will sound and all LEDs will turn off.
3. All Master and User Cards have now been removed.

Unlock Using Master Card

> 🛑 **Unlocking with a Master Card will also remove all programmed User Cards.**

1. Scan the Master Card. A chime will sound and both LEDs will blink for 6 seconds.
2. After 6 seconds, a second chime sounds and the unit will unlock.
3. All User Cards have also been removed.

6. User Card Programming

> ℹ️ **The lock can be configured to accept up to 5 (default) or only 1 User Card**

Changing the Number of User Cards (Default 5)

1. Scan the Master Card continuously four (4) times.
2. Scan the Owner Card once.
3. After the chime, the lock will now only accept 1 User Card.
4. To change back to 5 Card mode, repeat steps 1 to 3.

Programming User Card(s)

1. Scan the Master Card. A chime will sound and both LEDs will blink for 6 seconds.
2. During these 6 seconds, scan the Mifare card(s) to be programmed.
3. The scanned card(s) is(are) now the User Card(s). Label the card(s) and store in a secure location when not in use.

Removing Select User Card(s)

1. Scan the Master Card. A chime will sound and both LEDs will blink for 6 seconds.
2. During these 6 seconds, scan the **Master Card** a second time. A chime will sound and LEDs will blink for another 6 seconds.
3. Scan the card(s) to be removed during these 6 seconds.
4. A different chime will sound indicating that the card(s) has been removed.

Removing ALL User Cards

1. Scan the Master Card. A chime will sound and both LEDs will blink for 6 seconds.
2. After 6 seconds, a second chime sounds and the lock will unlock.
3. All User Cards have now been removed.

Unlock Using User Cards

1. Scan the User Card. A chime will sound and the green LED will light up.
2. The unit is unlocked.

Unregistered Card Alarm

1. An alarm will sound after 5 attempts to open the lock with an unregistered User Card.
2. Scan a registered User Card to deactivate the alarm.

7. Lock Mode Setting

> ℹ️ **The lock can be toggled between automatic (default) or manual locking.**

Changing the Locking Mode (Default Auto)

1. Scan the Master Card continuously three (3) times.
2. Scan the Owner Card once.
3. After the chime, the unit is now in manual locking mode.
4. To change back to auto locking mode, repeat steps 1 to 3.

Locking In Auto Mode

1. After unlocking for 5 seconds, a chime will sound and the red LED will light up.
2. The unit is now locked. The red indicator LED flashes every 6 seconds.

Locking In Manual Mode

1. While the lock is unlocked, scan a User Card.
2. A chime will sound and the red LED will light up.
3. The unit is now locked. The red indicator LED flashes every 6 seconds.

8. Latch Alarm Setting

> ⚠️ **While the unit is locked, an alarm will sound by default if the latch is pressed by force.**

Silencing the Latch Alarm

1. With the door open and latch accessible, place the unit in locked mode.
2. Scan the Owner Card and wait for the lights to blink.
3. Press the latch and listen for two "Beep" sounds.
4. The latch alarm is now off.WW

Activating the Latch Alarm

1. With the door open and latch accessible, place the unit in locked mode.
2. Scan the Owner Card and wait for the lights to blink.
3. Press the latch and listen for one "Beep" sound.
4. The latch alarm is now active.

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9. Low Battery Warning

⚠️ **A warning chime will sound while unlocking when the unit batteries are low.**

🛑 **Mixing old and new batteries, or batteries of different types, is not recommended.**

Replacing the Batteries

1. Slide open the battery compartment cover.
2. Remove and safely discard used batteries according to local disposal guidelines.
3. Insert 3 new AA alkaline batteries in the holder and reattach the cover.

10. Emergency Unlocking

⚠️ **A 9V power source can be used to gain access* to locked units with drained batteries.**
***Valid User or Master Card required.**

Required Parts (Not Included):

9V Battery   Battery Connector

1. Attach battery to the connector.
2. Connect leads to the two contact points on the faceplate.
3. With the battery connected, scan a valid Card to open.