



User Manual

Instruction Manual (ML52RA)

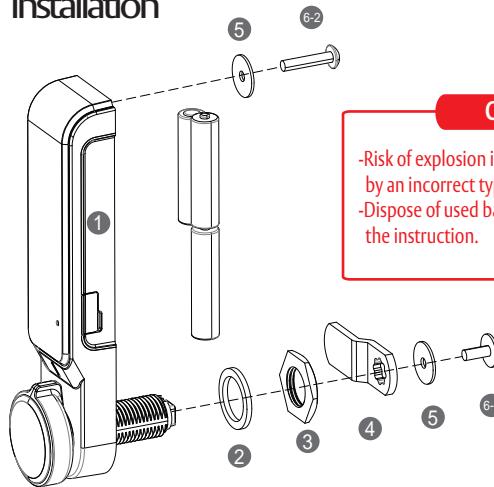
● Package contained



- ① ML52RA lock x1
- ② Rubber ring washer x1
- ③ M6nut x1
- ④ Cams x2 (1 flat, 1 offset)
- ⑤ M4 washer x2
- ⑥ Bolts x5
- 6-1 M4x10 cam fixing
- 6-2 M4x10 upper fixing for 1-5mm door
M4x20 upper fixing for 10-15mm door
M4x25 upper fixing for 15-20mm door
M4x30 upper fixing for 20-25mm door

* Use three 1.5V AAA type Alkaline batteries.

● Installation

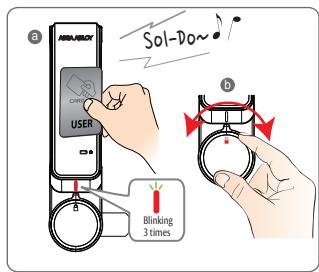


Caution

- Risk of explosion if battery is replaced by an incorrect type.
- Dispose of used batteries according to the instruction.

● How to use the Usercard (Public mode)

Lock the door



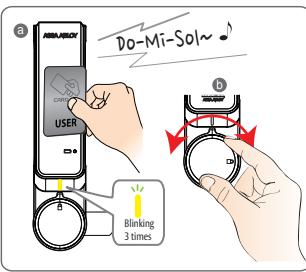
- a Touch the User Card
- Blinking Red LED 3 times and melody sound "Sol-Do~"

- b Turn the handle to the lock position

Specific

- 13.561 MHz
- 4.5Vdc (AAA 1.5x3)

Unlock the door



- a Touch the User Card
-Blinking yellow LED 3 times and melody sound "Do-Mi-Sol~"

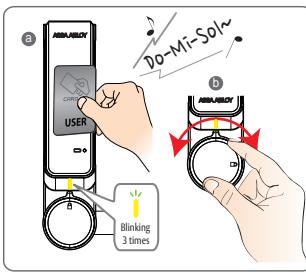
- b Turn the handle to the open position and open the door

※ Public Mode (One Time use)

- User Card will be erased after unlock and stay open for next user.

● How to use the Usercard (Private mode)

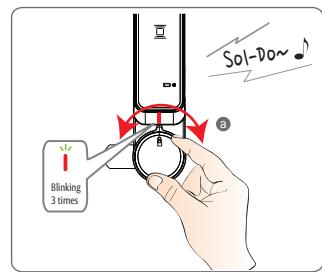
Unlock the door



- a Touch a registered User Card
-Blinking yellow LED 3 times and melody sound "Do-Mi-Sol~"

- b Turn the handle to the open position and open the door

Lock the door

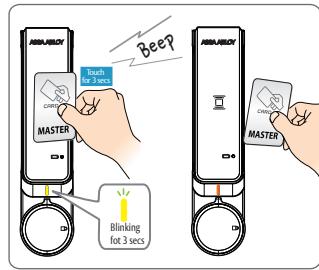


- a Close the door and turn the handle to the lock position

※ Private Mode (Assigned use)
- The lock automatically locked in 3 seconds, just turn the handle to the lock position.

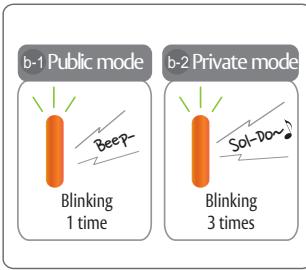
● How to switch between Public Mode & Private Mode

Step 1



- a Touch a Master Card for 3 seconds
- Short beep

Step 2



b-1 Public mode

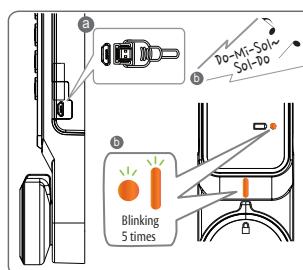
- Orange LED blinks 2 times with melody sound "Beep."

b-2 Private mode

- Orange LED blinks 3 times with melody sound "Sol-Do~"

● External Power for Emergency

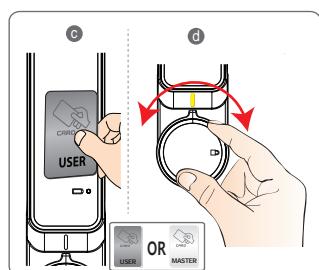
Step 1



- a Connect standard 5 pin Micro USB cable to the USB Port on the right side of the lock

- b When power is applied, Both LED blinks 5 times with melody sound "Do-Mi-Sol~Sol-Do~"

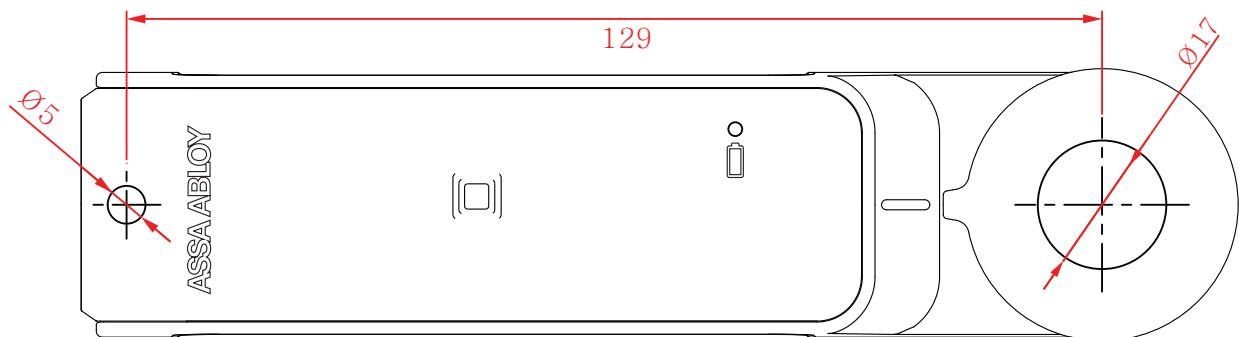
Step 2



- c Touch a User Card or Master Card to unlock
User card will be deleted after use of the Master card.
Need to set the User card again at private mode

- d Open the door and change all 3 batteries

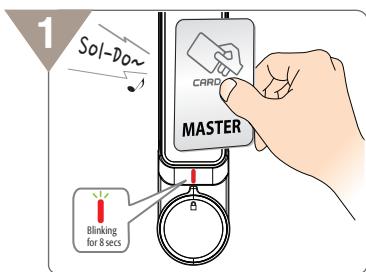
Installation Template



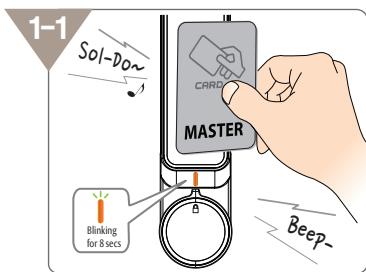
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Setting Master, User & Cleaner Card

Step 1: Setting Master Card



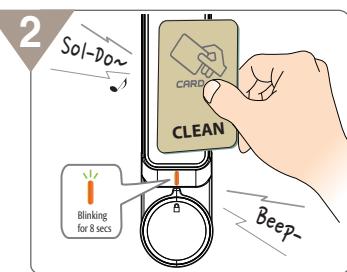
- a** Touch a card to register it as a Master
(First touched card will be registered as a Master)
- Red LED blinks for 8 secs with melody sound "Sol-Do~"



- b** Touch another card up to 20 in sequence for setting up to 20 Masters
c Touch same card twice to stop Master Card setting mode
- Stop Red LED blinking and Orange LED started to blink

*** After Master Card setting mode,
Cleaner Card setting mode will be started automatically**

Step 2: Setting Cleaner Card

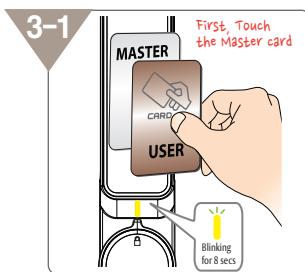


- d** After Master Card setting mode, starts Cleaner Card setting mode
e Touch another card up to 20 in sequence for setting up to 20 Cleaners
f Touch same card twice to stop Cleaner Card setting mode

Precautions for Cleaner Card

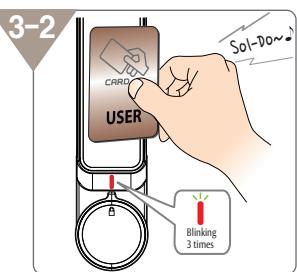
- ※ Cleaner card can be used at Private mode only
- ※ Be aware of using Cleaner Card.
Cleaner card can be used without trace even if the cabinet is in use.
- ※ Touch last Master card three times or wait for 8 seconds at Master card setting mode if no need to set a Cleaner card

Step 3: Setting User Card



g Private Mode

- g** Touch any Master Card (Yellow LED blinks for 8 seconds)
h Touch a card to set the card as a User.
(Up to 20 User Cards can be registered.)
i Touch same card twice to stop the User Card setting mode.



- j** Touch a User Card
-Red LED blinks 3 times with melody sound "Sol-Do~"

* FCC statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

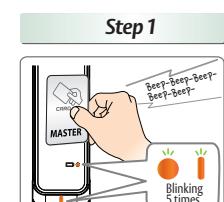
Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

*** This appliance and its antenna must not be co-located or operation in conjunction with any other antenna or transmitter.**

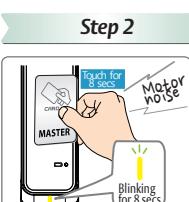
This equipment should be installed and operated with minimum distance 20cm between the radiator& your body.

Change the Card

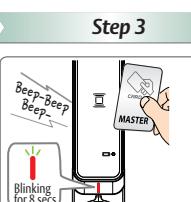
How to change Master Card



- a** **Public Mode** Touch any Master card to delete the User key
Private Mode Skip this step



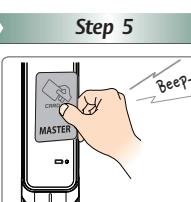
- b** Touch a Master Card for 8 seconds.



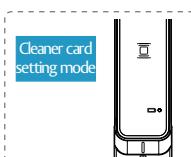
- c** Detach the Master Card right after three beeps
- During RED LED blinking for 8 seconds



- d** Touch another card to set it as a new Master.
(Up to 20 Master Cards can be registered)

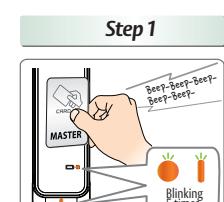


- e** Touch the Master Card twice to stop setting of the Master Card
f Completed the Master Card change mode

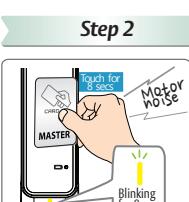


*** Cleaner Card setting mode will be started after Master Card setting mode.**

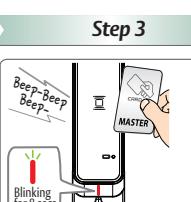
How to change Cleaner Card



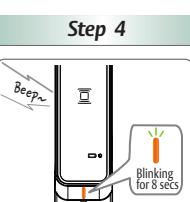
- a** **Public Mode** Touch any Master card to delete the User key
Private Mode Skip this step



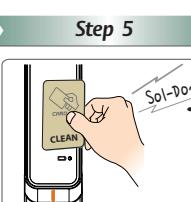
- b** Touch any Master Card for 8 seconds



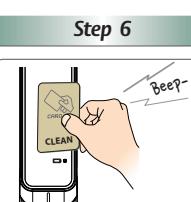
- c** Detach the Master Card right after three beeps
d Wait for 8 seconds until Red LED blinks



- e** During Orange LED blinking for 8 seconds after a beep



- f** Touch another card to set it as a new Cleaner



- g** Touch last Cleaner Card twice to stop Cleaner Card setting mode
h Completed the Cleaner Card change mode

ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience