

DIY key card lock instruction

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Hereby "present card" means swipe the card onto the reader of door lock. If card reading speed is not perfect, please try to change the reading angle slightly against the reader of door lock.

A. Introduction

Default settings of [DIY residential key card lock](#)

- a. Sound: on
- b. Electronic deadbolt (E-deadbolt) / Mechanical deadbolt function: activated.
- c. Door lock self-locking time: 6 seconds after door lock is opened
- d. Ghost-mode: activated

Two residential lock mode to choose

- a. ghost-mode: with reporting loss card feature.
- b. non-ghost-mode: without reporting loss card feature (this is an alternative mode)

Key card type required: the following key cards can be configured only with JK Tech's encryption mifare 1K card

- a. Admin Card: can open the door with deadbolt and configured other kinds of key cards; card of the highest level
- b. key cards (**MAX capacity: 300 users**)
 - (1). User Card: can open the door without deadbolt on;
 - (2). Power User Card: can open the door with deadbolt on;
 - (3). Stay Open Card: for meeting room use, to set door lock in stay open mode; If user presents it again, door lock will turn to normal close mode;
- d. Ghost Card: for reporting loss cards and delete loss cards.

B. Card configuration in ghost-mode.

1. Config Admin Card.

Insert a valid metal key into the door lock cylinder -> turn the key anti-clockwise or clockwise -> hold it (LED turns solid red) -> present one blank card close to the reader of door lock -> the card becomes Admin Card. One lock can have only one Admin Card. If we configure the 2nd Admin Card, then the 1st Admin Card will be replaced by the 2nd one. So user must take good care of the mechanical key.

Clear all data and reset to factory settings (except Admin Card).

Before user cards' configuration, we should clear all data except Admin Card, or else the response speed of door lock might be slow!

Present Admin Card to the reader (door open, beep*1) -> hold it -> wait until beep*2 -> remove Admin Card (beep*1) -> wait LED Indicator turns to flickering red -> present the Admin Card to the reader, wait some seconds until beep*8 -> Then LED flickers red rapidly -> all cards data has been erased except Admin Card and all settings are restored to default factory mode.

2. Config User Card

Present Admin Card to the reader (door open, beep*1) -> hold it -> wait until beep*2 -> remove Admin Card, (beep*1) -> wait the LED light turns flickering blue -> present User Card 1, beep*1; present Ghost Card 1, beep*1 -> present User Card 2, beep*1; present Ghost Card 2, beep*1 -> repeat this operation until the LED light off. (One User Card is followed by one matched Ghost Card, please make relevant mark for them after making the cards.)

3. Config Power User Card

Present Admin Card to the reader (door open, beep*1) -> hold it -> wait, (beep*3) -> remove the Admin Card, (beep*1) -> wait the LED light turns flickering blue -> present Power User Card 1, beep*1; present Ghost Card 1, beep*1 -> present Power User Card 2, beep*1; present Ghost Card 2, beep*1 -> repeat, until the LED light off. (One Power User Card must be followed by only matched Ghost Card, please make relevant mark for them)

4. Config Stay Open Card

Present Admin Card to the reader (door open, beep*1) -> hold it -> wait, (beep*4) -> remove the Admin Card, (beep*1) -> wait the LED

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light turns flickering blue -> present Stay Open Card 1, beep*1; present Ghost Card 1,beep*1 -> present Stay Open Card 2, beep*1; present Ghost Card 2,beep*1 -> repeat, until the LED light off. (One Stay Open Card must be followed by only matched Ghost Card, please make relevant mark for them)

5.Sound setting

In Sound mode(default): present Admin Card to the reader (door open, beep*1) -> hold it -> wait till beep*5) -> remove Admin Card (beep*1) -> toggles to Silent mode.

In Silent mode: present Admin Card to the reader (door open, no beep) -> hold it -> wait till beep*5) -> remove Admin Card (beep*1) -> toggles to sound mode.

The setting order: Sound -> Silent -> Sound -> Repeat.

6.Privacy setting (This function is only for the locks with E-deadbolt, but useless for the locks with real mechanical deadbolt !)

In Sound mode: present Admin Card to the reader (door open, beep*1) -> hold it -> wait, (beep*6) -> remove Admin Card (beep*1) -> deadbolt deactivated.

In Silent mode: present Admin Card to the reader (door open, no beep) -> hold it -> wait, (beep*6) -> remove Admin Card (beep*1) -> deadbolt activated.

The setting order: deadbolt activated(privacy activated) -> deactivated(privacy deactivated) -> cycle.

7. Self-lock time setting (default: 6 seconds after door is opened)

In 6 seconds mode: present Admin Card to the reader (door open, beep*1/no beep) -> hold it -> wait, (beep*7) -> remove the Admin Card (beep*1) -> self-lock time:20 seconds.

In 20 seconds mode: present Admin Card to the reader (door open, beep*1) -> hold it -> wait, (beep*7) -> remove the Admin Card (beep*1)-> self-lock time:6 seconds.

The setting order: Self-locking time 6Seconds -> 20Seconds -> 6Seconds -> cycle.

8.Ghost-mode / non-ghost-mode switch setting.

In ghost-mode: present Admin Card to the reader (door open, beep*1/no beep)->hold it->wait,(beep*10)->remove Admin Card (beep*1)->Ghost card mode deactivated.

In non-ghost-mode mode: present Admin Card to the reader (door open, beep*1/no beep)->hold it->wait, (beep*10)->remove the Admin Card (beep*1)->Ghost card mode activated. **(Make sure there is no card record before switch mode, or switch setting cannot be successful!)**

The setting order: ghost-mode-> non-ghost-mode -> ghost-mode -> repeat .

9. Card configuration in **non-ghost-mode: Almost the same as ghost-mode. The difference in this mode: there is no ghost card in this mode. The key cards are configured one after one until the card config mode quits.**

C. Card erasing

1. delete existed User Card /Power User Card /Stay Open Card

Present Admin Card to the reader (door open, beep*1) -> hold it -> wait, (beep*2) -> remove the Admin Card,(beep*1) -> wait the LED light turns flickering red -> present existed User Card/Power User Card/Stay Open Card, beep*1, delete success -> present another User Card/Power User Card/Stay Open Card beep*1, delete success -> repeat.

2. Delete lost User Card /Power User Card /Stay Open Card

Present Admin Card to the reader (door open, beep*1) -> hold it -> wait, (beep*2) ->remove the Admin Card,(beep*1) -> wait the LED light turns flickering red -> present the matched Ghost Card 1, (beep*1), then key card 1 is deleted successfully -> present another Ghost Card 2 (beep*1), then key card 1 is deleted successfully -> etc, repeat above manipulation.

If there is still card record in ghost-mode, we cannot select non-ghost-mode;

If there is still card record in non-ghost-mode, we cannot select ghost-mode.

3. **Delete all data including Admin Card**

insert key -> turn the key anticlockwise or clockwise -> hold it -> take off a battery to power off the lock -> reload this battery to power on the lock(the key should be held during this time) -> turn the key anticlockwise or clockwise for 10 times -> release the key -> LED flashes red -> all data including Admin Card are deleted.

D. Low voltage warning

If the AA batteries*4 are lower than 4.6V, the alarm (beep*3) will make from the 1st to 50th unlocking the door lock. From 51st unlocking the door until battery used up, user has to present the key card for 3 times before unlocking the door, reminding user of replacing old batteries immediately!