

User manual for Mifare1 lock with card reader & code panel





1. PRODUCT APPEARANCE

1.1. Panel appearance







1.2. Lock body appearance

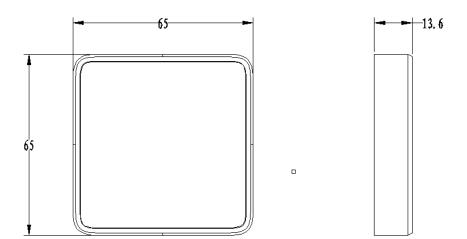




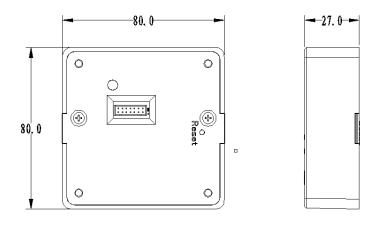


2. PRODUCT DIMENSION

2.1. Panel dimension



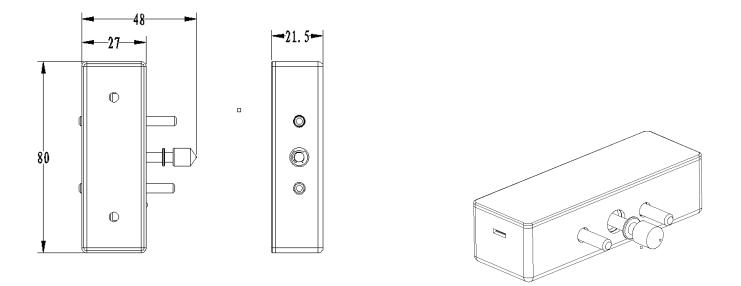
2.2. Lock body dimension



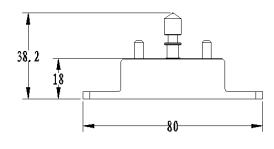


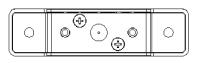
2.3. Hook dimension

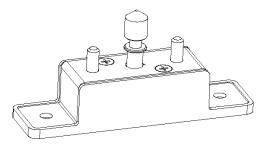




Hook B

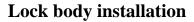








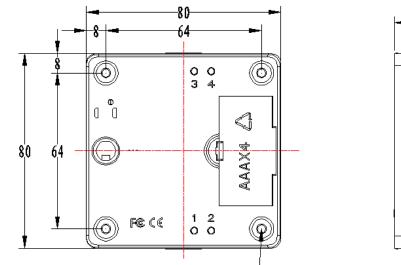
2.4. Installation dimension



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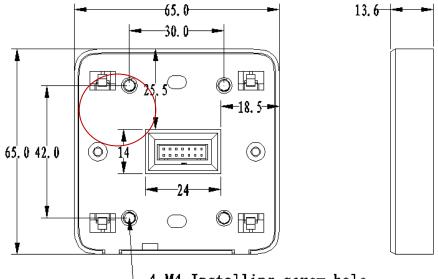
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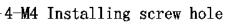
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4-M4 Installing screw hole →

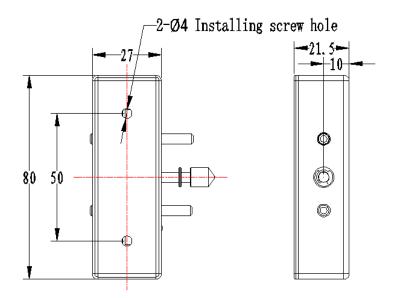
Lock Panel installation



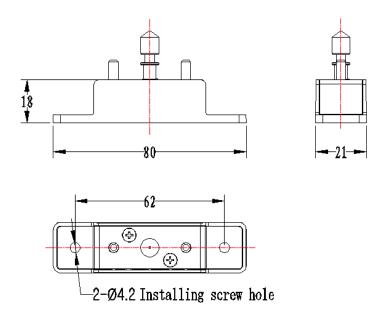




Hook A installation

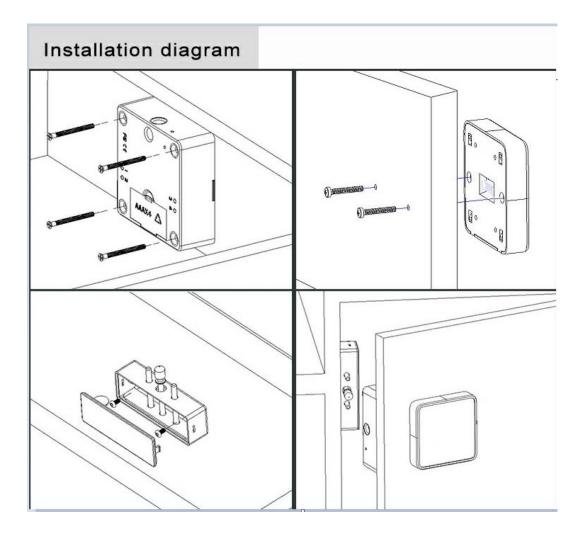


Hook B installation





3. Installation drawings





4. PRODUCT FUNCTIONS

4.1 Functions & features:

Sound prompt Lock will make sound when press keys, battery is low voltage,correct/wrong key is input and unlocking for a long time Itight prompt Green: means correct Red: means incorrect Blue: means low voltage White: standby condition When battery's voltage is lower than 4.5V, light will shines in blue and lock sounds "di di" to remind user change new batteries Low voltage warning When battery's voltage is lower than 4.5V, light will shines in blue and lock sounds "di di" to remind user change new batteries Lock hook warning Lock can work normally 1000 times after low voltage warning Lock hook warning function only exist in Private mode. Factory setting: single key, public mode Double key unlock The properties of two cards can't be same. Eg: can't use two user cards. Input wrong code/swipe wrong card, lock will shine in red twice and prompt with "di di". Wrong for 5 times continuously, lock will be unavailable for Smins. Use management card/code can make it available. Attack protection When it's out of power, user can connect micro USB to supply power to lock emergency power supply (on panci) Management card Management card is used for setting user card & service card. And under public mode, it can be used for unlocking. Delete card Delete ard is used for setting user card & service card. Swipe it can delete all cards except management card. Can't unlock. Management code Management card is used for	Functions	Features
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Delete cardDelete card is used for delete user card and service card. Swipe it can delete all cards except management card. Can't unlock.Management codeManagement code used for emergency unlocking. After using user code will be initialized.Messy code functionUser can add any code before/after correct code. Correct code must be input uninterruptedlyOTPIf user forget all codes, can contact us to get an OTP and input it to unlock.		Management card is used for setting user card & service card. And under
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Delete cardcards except management card. Can't unlock.Management codeManagement code used for emergency unlocking. After using user code will be initialized.Messy code functionUser can add any code before/after correct code. Correct code must be input uninterruptedlyPublic mode don't have this functionIf user forget all codes, can contact us to get an OTP and input it to unlock. One time use only.	D1(1	Delete card is used for delete user card and service card. Swipe it can delete all
Management code be initialized. Messy code function User can add any code before/after correct code. Correct code must be input uninterruptedly Public mode don't have this function Public mode don't have this function OTP If user forget all codes, can contact us to get an OTP and input it to unlock.	Delete card	
Definitialized. Messy code function User can add any code before/after correct code. Correct code must be input uninterruptedly Public mode don't have this function If user forget all codes, can contact us to get an OTP and input it to unlock. OTP One time use only.	M (1	Management code used for emergency unlocking. After using user code will
Messy code function uninterruptedly Public mode don't have this function If user forget all codes, can contact us to get an OTP and input it to unlock. OTP One time use only.	Management code	be initialized.
Messy code function uninterruptedly Public mode don't have this function If user forget all codes, can contact us to get an OTP and input it to unlock. OTP One time use only.		User can add any code before/after correct code. Correct code must be input
OTP If user forget all codes, can contact us to get an OTP and input it to unlock. One time use only.	Messy code function	
OTP One time use only.	2	Public mode don't have this function
OTP One time use only.		If user forget all codes, can contact us to get an OTP and input it to unlock.
	OTP	
		Lock will be initialized after using OTP. But mode is unchanged.



4.2. Parameters

Material	ABS for lock body shell 、 PC for panel
Dower consumption	Static power consumption <100uA
Power consumption	dynamic power consumption<200mA
Washing weltere	DC6V(AA 1.5V×4pcs)
Working voltage	Can be used for around 1 year
Working any ironmont	Working temperature -15 $\sim +65$
Working environment	Working humidity 10% ~ 90%RH
Anti-static	Air static 15KV
Anti-static	Touch static 8KV

5. OPERATION

5.1. System initializition

Items	Operation
	Keep pressing "reset" key for 2s, lock will prompt with "di di di" and light
	shines in green twice. Initializing successfully
Initialization (2 ways)	Input "*+#+9+#", lock will prompt with "di di" and light shines in green
	fast. Input "management code+#" light shines slower. And
	input"management code+#"lock will prompt with "di di di" Initializing
	successfully. (Total is: *+#+9+#+management code+#+management code+#)

5.2. Setting cards

Items	Operation
	Keep pressing "1" button for 1s, lock will prompt with "di" and light shine in
Set management card	green. Swipe a card, it will prompt with "di" and LED keep lighting in green
Set management card	for 1s. This card is management card.(one lock can have only one
	management card)
	Keep pressing "2" button for 1s, lock will prompt with "di" and light shine in
Set delete card	green. Swipe a card, it will prompt with "di" and LED keep lighting in green
	for 1s. This card is delete card.(one lock can have only one delete card)
	Swipe management card, lock will prompt with "di" and light shine in green
Set user card	slowly. (during green light shining, can set multiple user cards) Swipe any
Set user caru	card, if lock prompt "di" and LED keep lighting in green for 1s, this card is
	user card.If lock prompt with "di di" and light shine in red, set failed.
	Swipe management card twice, lock will prompt with "di" and light shine in
Set service card	green slowly.(during green light shining, can set multiple service cards)
(Double key mode	Swipe an empty card. If lock prompt with "di", LED keep lighting green for
only)	1s, this card is service card. If lock prompt with "di di" and light shine in
	red, set failed.
Note: One lock can have	at most 50 cards.



5.3. Setting code

Items	Operation
	Input "*+#+1+#",lock will prompt with: "di di"and LED shines in green fast.
	Then input "original management code +#", LED shines in green slower. And
change management	input "new management code+#" twice, lock will prompt with "di" and green
code	light on for 1s. Change management code successfully. (Total is
Factory setting: 0000	*+#+1+#+original management code+#+new management code+#+new
	management code+#) (management code must be consist of 4~8 digits, can't
	be more or less than this digits)
Change User code	Input "*+#+0+#",lock will prompt with: "di di"and LED shines in green fast.
(Factory setting:	Then input "original user code +#", LED shines in green slower. And input
1111.	"new user code+#" twice, lock will prompt with "di" and green light on for
The second code of	1s. Change management code successfully. (Total is *+#+1+#+original user
double key mode:	code+#+new user code+#+new management code+#) (User code must be
2222)	consist of 4~8 digits, can't be more or less than this digits)
	activate messy code protection
	Input "*+#+5+#", lock will prompt with "di di" and LED shines in green fast.
	Then input "management code +#", LED shines in green slower. And input
	"0+#", lock will prompt with "di" and activate messy code protection
Messy code	successfully.(Total is *+#+5+#+management code+#+0+#)
protection	deactivate messy code protection
	Input "*+#+5+#", lock will prompt with "di di" and LED shines in green fast.
	Then input "management code +#", LED shines in green slower. And input
	"1+#", lock will prompt with "di" and activate messy code protection
	successfully.(Total is *+#+5+#+management code+#+1+#)
OTP for emergency	Input OTP provided by factory+#

5.4. Change lock mode

Public mode	Keep pressing button "3" for 1s, motor turn, lock prompts with "di" and
	LED shine once. Change to temporary public mode successfully.
	Input "*+#+2+#", lock prompts with "di di" and LED shines in green fast.
TUDIIC mode	Then input "management code + #", LED shines slower. Then input "0+#",
	motor turn, lock prompt with "di" and LED shines in green once. Change to
	public mode successfully. (Total is:*+#+2+#+management code+#+0+#)
	Keep pressing button "3" for 1s, motor turn, lock prompts with "di di" and
	LED shine once. Change to private mode successfully.
	Input "*+#+2+#", lock prompts with "di di" and LED shines in green fast.
Private mode	Then input "management code + #", LED shines slower. Then input "1+#",
	motor turn, lock prompt with "di di" and LED shines in green twice. Change
	to temporary private mode successfully. (Total is:*+#+2+#+management
	code+#+1+#)
	Keep pressing button "3" for 1s, motor turn, lock prompts with "di di di" and
Limited public e mode	LED shine twice. Change to fixed Limited public mode successfully.
	Input "*+#+2+#", lock prompts with "di di" and LED shines in green fast.



Then input "management code + #", LED shines slower. Then input "2+#",
motor turn, lock prompt with "di di di" and LED shines in green twice.
Change to limited public mode successfully.(Total is:*+#+2+#+management
code+#+2+#)

5.5 Change Key mode

	Keep pressing button "4" for 1s, lock prompts with "di" and LED shine
	once. Change to single mode successfully.
Single code mode (2	Input "*+#+3+#", lock prompts with "di di" and LED shines in green fast.
wayst)	Then input "management code + #", LED shines slower. Then input "0+#",
	lock prompt with "di" and LED shines in green once. Change to single code
	mode successfully. (Total is:*+#+3+#+management code+#+0+#)
	Keep pressing button "4" for 1s, lock prompts with "di di" and LED shine
	twice. Change to two mode successfully.
Double key mode (2	Input "*+#+3+#", lock prompts with "di di" and LED shines in green fast.
wayst)	Then input "management code + #", LED shines slower. Then input "1+#",
	lock prompt with "di di" and LED shines in green twice. Change to Two
	code mode successfully. (Total is:*+#+3+#+management code+#+1+#)

5.6. Hook warning function (factory setting: with hook warning function)

	Press button "1" & "2" at the same time, Lock will prompt with "di" and
	LED shine in green once. Activate successfully.
Activate hook warning	Input "*+#+4+#", lock will prompt with "di di" and LED shine in green
function (two ways)	fast. Then input "management code+#" LED shines slower. Input "0+#",
	lock will prompt with "di" and LED shine in green once. Activate
	successfully. (Total is: *+#+4+#+management code+#+0+#)
	Press button "1" & "2" at the same time, Lock will prompt with "di di" and
Inactivate hook	LED shine in green Twice. Inactivate successfully.
	Input "*+#+4+#", lock will prompt with "di di" and LED shine in green
warning function (two ways)	fast. Then input "management code+#" LED shines slower. Input "1+#",
	lock will prompt with "di di" and LED shine in green Twice. Inactivate
	successfully. (Total is: *+#+4+#+management code+#+1+#)

5.7. Buzzer function (factory setting: activate buzzer function)

Activate buzzer function	Input "*+#+6+#", lock will prompt with "di di" and LED shine in green fast. Then input "management code+#" LED shines slower . Input "0+#", lock will prompt with "di" and LED shine in green once. Activate successfully.
	(Total is: *+#+6+#+management code+#+0+#)
Inactivate buzzer	Input "*+#+6+#", lock will prompt with "di di" and LED shine in green fast.



function	Then input "management code+#" LED shines slower . Input "1+#", lock
	will prompt with "di di" and LED shine in green Twice. Inactivate
	successfully. (Total is: *+#+6+#+management code+#+1+#)

5.8. Lock mode

Private mode (locked)	Need to set User card, Service card, User code with management code/card before using. Input correct code/swipe correct card can unlock lock, and it will be locked automatically 3s later.
Public mode (unlocked)	Swipe any card or input any user code(4~8 digits) and push the hook within 5s to close the lock. Then lock can only be unlocked by the same card/code . Under this mode, management card/management code can unlock any lock.
Limited public mode (locked)	Need to set User card, Service card, User code with management code/card before using. Lock is locked. Swipe correct card/Input correct code can unlock. And swipe a correct card/input a correct code/press # can close the lock.

5.9. Emergency unlocking

5.9.1 If lock is out of power, user can connect Micro USB connector on the panel to supply power to lock

5.9.2 If user forget code, user can use management code or contact us to solve.

5.10. Warm tips

5.10.1 key "*" means delete. Key "#" means confirm

5.10.2. In factory setting, User code is "1111" . And second user code is "2222"(under double key mode)

5.10.3. Every time after using management code, user code will be initialized. Please set new user code in time.

5.10.4. Please do not put emergency power supply in locker/drawer after using.

5.10.5. Light shines in blue means batteries are nearly run out, please change new batteries in time.

5.10.6. Input wrong code/Swipe wrong card for 5 times continuously, lock will be unavailable for 5mins. During unavailable period, input any code/swipe any card lock will prompt with "di di di di di di" and light shines in red. After 5mins lock will be available. Also user can use management card/code can make it available.

6. INSTALLATION AND TEST

- 6.1. After Install according to the "Installation Instruction";
- 6.2. After installing, please test the lock.
- 6.3 Please test the whole lock and confirm it can work well before close the door.