

# CDL-400M/410M/400MC/410MC

## USER MANUAL

Durable Door lock without worry about A/S

Durable body of metal

Auto lock/rewind/double lock function

Use of 3D touch and imaginary function to secure password

Password/Smart key can be registered multiple

Multi-level volume control / Selectable silence function

Light button that is visible even in dark places

Emergency power function (9V square battery)

High-voltage protection/Fire protection/Anti-hack system

Intuitive registration UI

COMMAX Co., Ltd.

Thank you for purchasing COMMAX products.

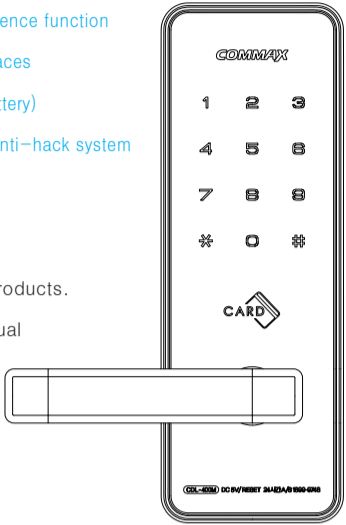
Before you use, please read this manual

and use correctly. COMMAX is

not responsible for any safety

accident due to abnormal

operation of the products.



**⚠ Due to non-key door lock, it may cause destruction of digital door lock when it is in trouble.**

## Warning for Safety

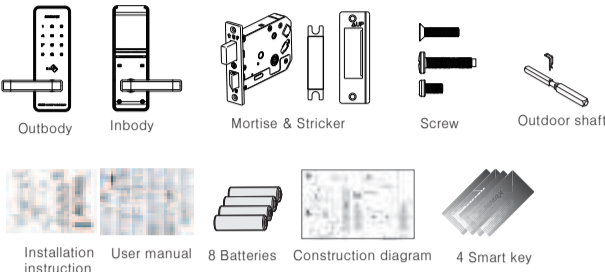
**⚠** These warnings are to secure user's safety and prevent the possible loss of property. Please read carefully below to use the product in a correct manner.

- \* Do not disassemble, repair or modify the device by any unauthorized person.
- \* This product is for indoor, we do not guarantee any operation at other environment.
- \* Please use the product after reading User's Manual.
- \* Do not press the buttons with any tools(Ex. Awl, Pins..)
- \* Change your access code from time to time for your safety.
- \* Do not impact on the device.
- \* Be careful that leakage or rupture may occur when inserting a battery in wrong direction.
- \* Be careful that water should not seep into the device.
- \* When replacing a battery, change all the batteries with new alkaline batteries.
- \* Please wipe the product with soft, dry towels.
- \* Please keep product warranty card for A/S.
- \* Do not use this product with other purposes except digital door lock function.

## Products specifications and components

Sort		Specifications
Opening method	Pass word	4-12 digits (Up to 4 can be registered)
	RF key	It can register within 30
	Wallpad interlock	CDL-400MC/410MC ONLY
Rated voltage	DC 6V	LR6 1.5V AA sized alkaline batteries 4
Emergency power	DC 9V	Alkaline batteries 8 (Separate purchase)
Type of product	Temperature-sensitive form, Non-KEY , Primary keylock / NF-T-NK-M)	
High temperature sensing	Temperature sensor type	60+/-10 dgrees
Material	Out body	AL,ZN,ABS,PC
	In body	AL,ZN,ABS,PC

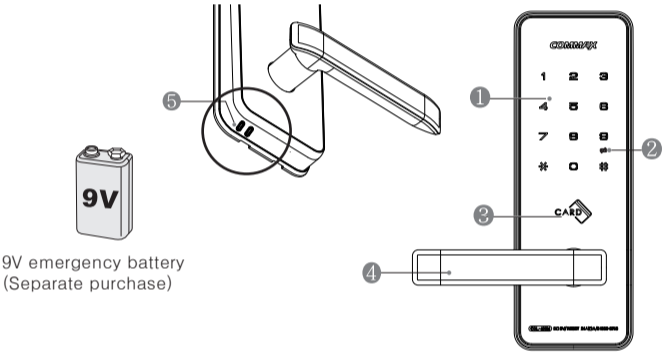
Sort	Using frequency	Number of channels	Modulation format	Antenna power
RFID	13.56Mhz	1	ASK	93.5dBu/under m@ 10m
Wireless devices for safety systems (optional)	447.275Mhz	1	FSK	10mW/under



\*The components of the product may change depending on the installation environment.

## Outdoor Names and Functions

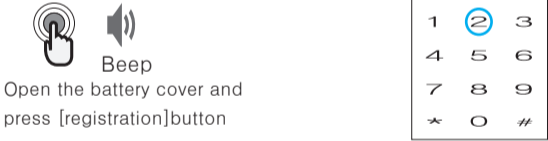
No	Name	Specifications
1	Name board	Enter the number when registering or changing password.
2	Battery warning light	Turns on with an audible alarm at low voltage.
3	Smart key input unit	It is the place where smart keys are recognized to open the door. You can open the door by registering the smart key or touching the registered smart key.
4	Outdoor handle	It is Used to open or close doors from outdoors.
5	Emergency power terminal	In case the battery is completely discharged, you can use 9V battery then, the power will be on.



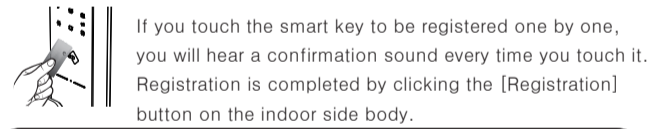
## How to register Smart key

**⚠** When registering or re-registering a smart key, you must register all the smart keys you have at once. Also registered smart keys are door lock only. It may not work when used with other products.

1. Press [registration] button
2. Press [2]button in the number plate of outdoor side



3. Contact smart key to smart key input unit



### Reference

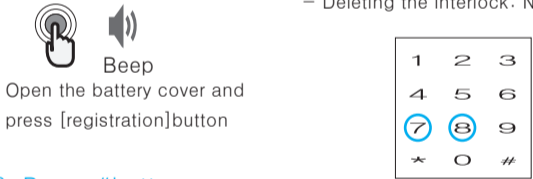
1. When adding the password, please repeat the above item 3 before the [License plate lamp] turns off.
2. Up to 30 smart keys can be registered.

### Cautions

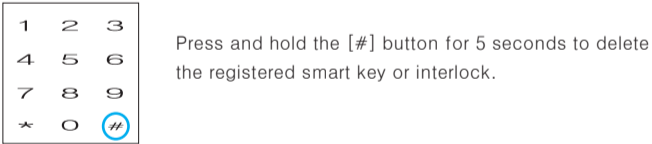
1. When registering a new smart key, the existing smart key is automatically deleted.

## How to delete Smart key, Linker

1. Press [registration] button
2. Press number in the number plate
  - Smart key deletion: No 7 button
  - Deleting the interlock: No 8 button



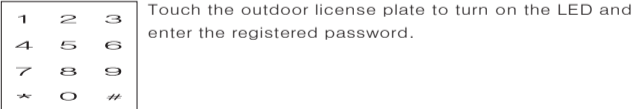
3. Press #button



## How to set auto lock, manual lock

**⚠** Make sure to turn off the Mortise Square Lock on the indoor body.

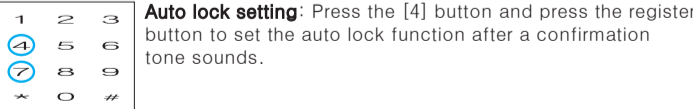
1. Enter password



2. Press [#]button



3. Press [4] or [7]button and press registration button

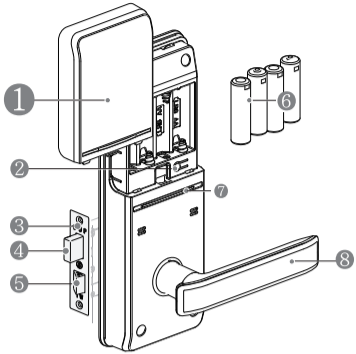


**Auto lock setting:** Press the [4] button and press the register button to set the auto lock function after a confirmation tone sounds.

**Manual lock setting:** After pressing the [7] button and pressing the register button, the manual lock function is set after a tone is heard.

## Indoor Names and Functions

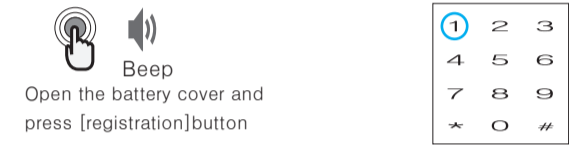
No	Name	Specifications
1	Battery cover	This cover protects the batteries and the registration button.
2	Registration button	It is used to register or change password or smart key
3	Mortise	It is attached to the side of the door and closes or locks the door.
4	Dead bolt (Square locking type)	It locks the door by locking it on the door frame.
5	Latch bolt	It serves to keep the door shaken
6	Alkalina AA battery	It is a power source that operates the door lock.
7	Double lock button	It can be used to lock the door so that it can not be opened outside,such as during nighttime hours that require attention.
8	Indoor handle	It is used to open or close the door indoors.



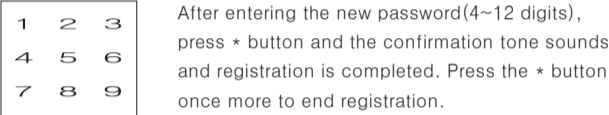
## How to register and change password

**⚠** Be sure to register your password with the door open.

1. Press [registration] button
2. Press [1]button in the number plate of outdoor side



3. Enter new password



After entering the new password(4~12 digits), press \* button and the confirmation tone sounds and registration is completed. Press the \* button once more to end registration.

### Reference

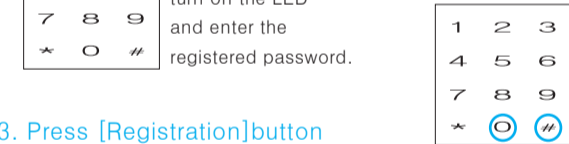
1. When adding the password, repeat the above item 3 before the number plate lamp turns off.
2. Up to 4 password can be registered

### Cautions

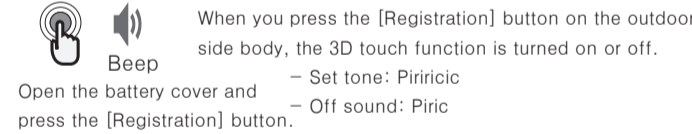
1. If you register a new password, the existing password will be automatically deleted.
2. Do not use consecutive numbers when registering your password.

## How to set and dismiss 3D touch

1. Enter password
2. Press the [#] button twice in succession, then press the 0 button.



3. Press [Registration]button



### Reference

1. It is a function to strengthen the security of password and it is a function to set a virtual number instead of the original number when the password is registered and authenticated for more than 1 second. Ex) When 1 is long pressed: It is recognized as a virtual number other than 1.
2. Combined with the imaginary function of this product, password security is further strengthened.
3. You can set each number and you can check that the lamp blinks when you press for more than 1 second.
4. 3D touch mode is turned off at the factory.

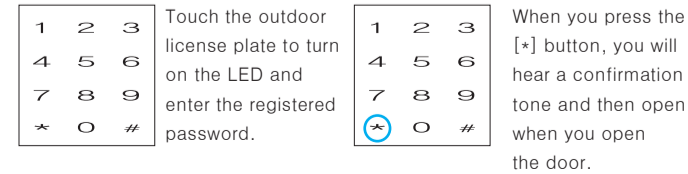
### Cautions

1. When the 3D touch mode is released, the password is reset to "1234".
2. In case of master registration / deletion, fire / accident, etc., it is recognized as normal number mode.

## Open the door in outdoor

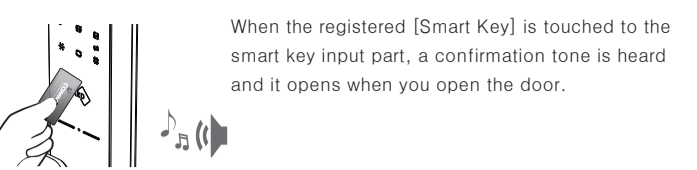
**Method 1** Open the door by password

1. Enter password
2. Press [\*]button



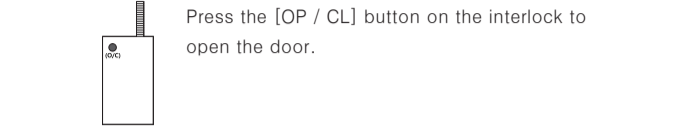
Method 2 Open door with smart key

1. Contact smart key to smart key input unit



Method 3 Open door by interlocking(CDL-400MC/410MC only)

1. Press the [OP/CL] button on the interlock



Door locking in indoor and outdoor

Set lock	Indoor	Outdoor
Auto lock	Automatically locked after 2 seconds after	Locked automatically after 2 seconds after door closes
Manual lock	Press the [double lock] button on the indoor side body	Touch the number plate during 2 secods

Reference

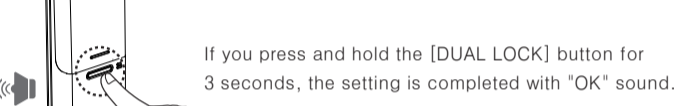
1. When you press [double lock] button in manual lock mode, you will hear a "beep" buzzer sound when the door is locked and inform you that the door is lockedv.

Internal double lock setting

It is a function that can not open a door with a password or a smart key outside the door.

Setting

1. While the door is locked, press and hold the [double lock] button for 3 seconds



How to release internal

1. Open the door by releasing the knob inside and releasing it 2. Press the [double lock] button inside and dismiss



Sound Pause Mode

Temporary silence function (1 time) regardless latest volume setting

How to

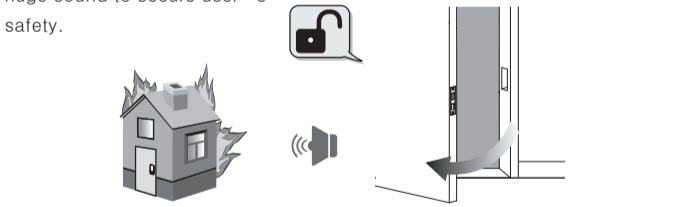
1. Touch number plate and press [#]
2. Press [\*] after password or, contact Card to open the door.

Reference

Sound is back to the original volume if pause mode is operated once

High Temperture Alarm

Once extremely high temperature is detected (60℃± 10℃), locker is automatically released to open the door with huge sound to secure user’ s safety.

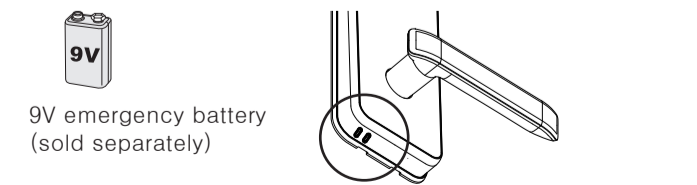


Emergency Power

When door can not be opened due to fully discharged battery.

\* Contact the terminals of 9V battery to emergency power outlet

Press [Password] and [ \* ] to open the door while contacting terminals of 9V battery to emergency power outlet.



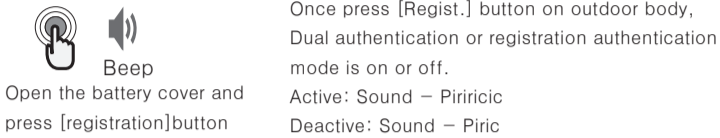
Deactivation from outdoor unit

1. Input Password
2. Press [#], [9] button



Dual authentication / Registration authentication setting

1. Input password
2. Press [#] button twice, press [1] or [8] button.
3. Press [Regist.] button.



Reference

1. If dual authentication mode is activated, Password + Card should be confirmed to open to door. (door open by BLE keeps available.)

2. If registration authentication mode is activated, first authentication by existing password should be done for the next step.

\* No dual authentication / registration authentication is activated if factory setting.

\* To deactivate dual authentication / registration authentication, repeat the same procedure for activation

Burglar Alert

If door to be opened by abnormal operation such as door gap break through, burglar alert rings with more than 80db noisy sound.

How to deactivate burglar or temperature alert

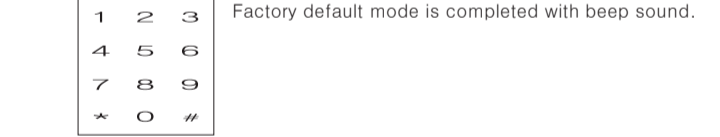
Remove batteries or [password + \*], [smartkey touch]

\* If temperature is too high, no deactivation.



Factory Reset Mode

1. Press [Registration] button.
2. Input “123578951” when number plate lights on
3. Press [#] button for 2 secs.



Caution

1.All settings back to the default after factory reset

Anti-mischief alert and 1 minute pause

If unregistered [password], [smartkey] keeps used more than 5 times continuously, freeze operation for 1 minute with alert sound.



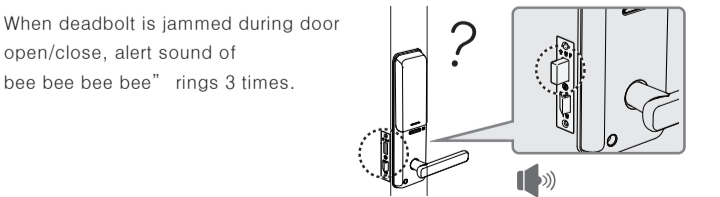
Reference

1. To deactivate alert sound, open the door from indoor body handle

2. If mechanical key is available, deactivate alert sound by key

Deadbolt Jam alert

When deadbolt is jammed during door open/close, alert sound of bee bee bee bee” rings 3 times.



Caution

1.If no sound deactivation or door lock malfunction, product installed position has to be adjusted.

Please contact your local installer or service provider.

Volume Adjustment

Deadbolt of indoor unit must be come out from mortise before setting

How to

1. Input Password
2. Press [#] button
3. Press [3] or [6] to adjust volume

Reference

1. Available total 8 levels of volume sound

2. If sound pause mode, numbers are only flicking without sound

Battery Replacement Alert

If battery alert light is on on number plate or beep sounds ring, battery has to be replaced. All batteries must be replaced with new one at once.



Caution

1. Lifetime of battery can be varied according to manufacturers, date of production, working condition. (Expected lifetime : 10 months assuming no wireless operation, AA type alkaline 4ea, 10 times per one day use)
2. If battery liquid leaks out, product can be damaged. Regular checking is recommended - every 6 months.
3. Battery lifetime might be shortened if wireless module is activated.

Door Open Alert during automatic lock setting

To inform door open status during automatics lock setting, alert sound rings 2 times with each 15 seconds interval if door opened.

Self-Diagnosis Table by each LED number flicking

ACTION	SELF-DIAGNOSIS
Flicking ALL LEDs	–Anti-mischief alert and 1 minute pause
Flicking LED number 2	–Error on password, card set
Flicking LED number 3	– Full of registered password, card
Flicking LED number 4	– Deadbolt Jam
Flicking LED number 5	– Burglar Alert
Flicking LED number 6	– Unregistered password, card
Flicking LED number 7	– Already registered address
Flicking LED number 8	– Fire Alarm
Flicking LED number 9	– Dual lock from Indoor unit
Flicking LED number 0	

Summary of how to use

Function	Default	
Password change	1234	[Registration] button ⇒ [1] button ⇒ Password to register⇒ [*] button⇒ [*] button
Card registration	None	[Registration] button ⇒ [2] button ⇒ Card (tag) recognition (Continuous registration) ⇒ [Registration] button
Delete all card		[Registration] button ⇒ [7] button ⇒ [#] button More than 5 seconds
Interlocking registration	None	[Registration] button ⇒ [3] button ⇒ Remote control [OP / CL] ⇒ [Registration] button
Delete the all interlocking		[Registration] button ⇒ [8] button ⇒ [#] button More than 5 seconds
Open the door indoors		Door lock handle: Push the manual opening / closing device towards the door.
Close the door indoors		Auto lock: Auto lock when the door is closed
Open the door outdoors		Manual Locking: Press the [Internal Dual Locking] button
Close the door outdoors		Password: LED of window number LED ON ⇒ Enter password ⇒ Press [*] button
Auto lock setting	Automatic locking	Card: Card contact with card recognition
Manual lock setting		Emergency key: Rotate after inserting emergency key into Emergency key insertion part
Set dual authentication mode	Release	Auto lock: Auto lock when the door is closed
Set registration authentication mode	Release	Manual locking: Touch the license plate of the window for 2seconds
3D touch authentication mode	Release	Enter the password ⇒ Press the [#] [#] button ⇒ Press the [4] button ⇒ Press the [Registration] button
Internal dual lock LED setting	Release	Enter the password ⇒ Press the [#] [#] button ⇒ Press the [7] button ⇒ Press the [Registration] button
Internal force lock setting		Enter the password ⇒ Press the [#] [#] button ⇒ Press the [1] button (Individual authentication / Dual authentication)
Release internal force lock		⇒ Click the [Registration] button
Etiquette mode function	Normal mode	Enter the password ⇒ Press the [#] [#] button ⇒ Press the [8] button (General registration / double registration)
Buzzer volume setting		⇒ Click the [Registration] button
Release alram sound		Enter the password ⇒ Press the [#] [#] button ⇒ Press the [0] button ⇒ Press the [Registration] button
		Set sound (beep sound), release sound (beep sound)
		Enter the password ⇒ Press the [#] [#] button ⇒ Press the [5] button ⇒ Press the [Registration] (On/Off)
		Press and hold the [Internal force lock] button for 3 seconds
		Indoors: manual opening and closing with door open and door closing
		Outdoors: Enter the password ⇒ Press the [#] button ⇒ Press the [9] button
		Password: Press [#] button ⇒ Enter password ⇒ Press [*] button
		Treble: Enter password ⇒ Press [#] button ⇒ Press [3] button
		Bass: Input password ⇒ Press [#] button ⇒ Press [6] button
		Indoor: When battery is removed
		Outdoors: Password, card authentication