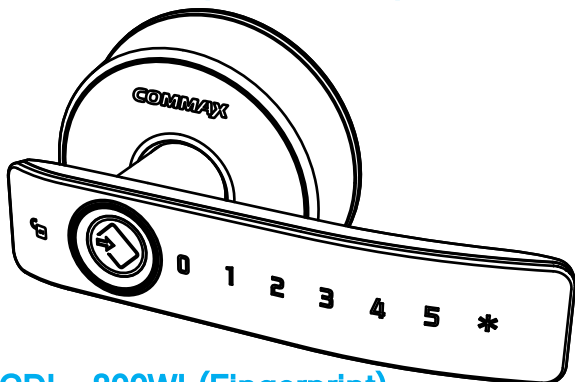
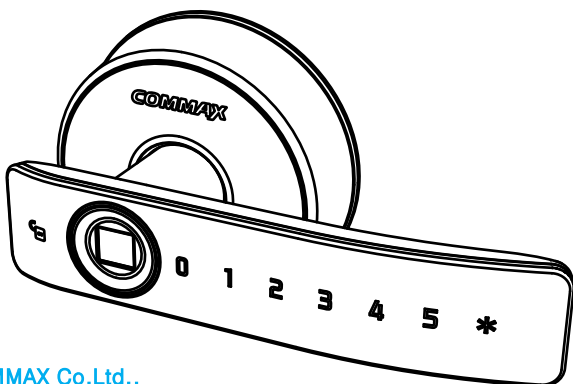


## USER MANUAL

### CDL-100WL(SMART KEY)



### CDL-800WL(Fingerprint)



#### COMMAX Co.Ltd.,

Thank you for purchasing COMMAX products.

Please carefully read this User's Manual(in particular, precautions for safety) before using a product and follow instructions to use it correctly. The company is not responsible for any safety accidents caused by abnormal operation of the product.

**⚠ 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 password 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.
- \* Do not use this product with other purposes except digital door lock function.

# Product Specifications

Division		Contents
Applicable	Normal wooden door	Thickness 35mm~55mm
Access methods	Password	4~12digit number(up to 4 password available)
	Smart Key(CDL-100WL)	Up to 30 smart keys available
	Fingerprint(CDL-800WL)	Up to 100 fingerprints available
Power Source	DC 6V	LR6 1.5V AA Alkaline batteries(4ea)
Emergency Power	DC 9V	Alkaline battery(optional)
	Auxiliary battery	MICRO USB 5PIN
Temperature Alarm	Temperature sensor	60°C ± 10°C
Material	Out body	AL,ZN,ABS,PC
	In body	AL,ZN,ABS,PC
Type of product	CDL-100WL(Smart Key, Anti-fireproof type, Non-key type, Master key door lock) CDL-800WL(Fingerprnt, Anti-fireproof type, Non-key type, Master key door lock)	



Outbody



Inbody



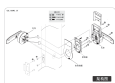
Mortise



Striker



Screw



Installation Guide



User Manual



Smart card



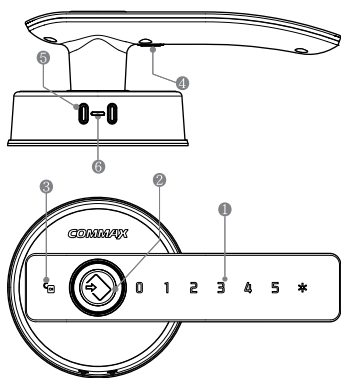
Batteries



Outdoor Shaft

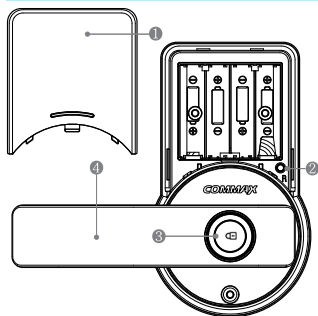
\* Components of the product may be changed depending on installation environment.

## Main Parts and Functions (Outside)



No.	Name	Feature
1	Outdoor handle and number plate	Able to enter numbers when registering/changing access code. Use to open/close the door from outside
2	Input for smart key (CDL-100WL) Input for fingerprints (CDL-800WL)	Able to register smart keys and open the door with the register smart keys Able to register fingerprints and open the door with the register fingerprints
3	Door open indicator	Able to check whether the door is opened (CDL-800WL)
4	[Start] button	Make Led on number plate to be turned on.
5	Emergency Power Terminal	When the batteries run out completely, please contact the 9v battery to emergency power terminal and the power will be on
6	Micro USB 5PIN	When the batteries run out completely, please contact the auxiliary battery to emergency power terminal and the power will be on

## Main Parts and Functions (Inside)



No.	Name	Feature
1	Battery Cover	Cover to protect battery and [Registration] button
2	[Registration] Button	To register/change smart key, fingerprint or access code
3	Double Lock Button	To lock the door and make it locked from the outside such as at night time
4	Inner Handle	To open/close the door at inside

# How to Register Your Password

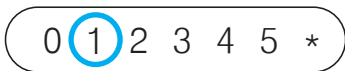
**!** Be sure to register your password with the door open.

1. Press [Register] button. 2. Press [1] on the main parts (Outside)



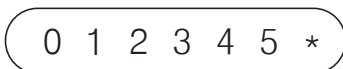
Beep

Open the battery cover inside of the main part and press [Register] button.



3. Enter new password

After entering new password (4~12 digits), press [\*] button. You will hear beep sound and registration is done. Once you press the [\*] button again, registration will be terminated.



## Note

1. You may repeat step 3. before the lamp on [number plate] goes out.
2. You can register up to 4 passwords.



## Warning

1. By registering a new password, the existing password will automatically deleted.
2. Do not use consecutive number for your password.

# How to Register Your Smart Key (CDL-100WL)

**!** When registering or re-registering a smart key, you must register all your keys together. Other smart key or transportation card will not be registered. Also, registered smart keys are for digital door lock only. It may not operate to other products.

1. Press [Register] button. 2. Press [2] on the main parts (Outside)

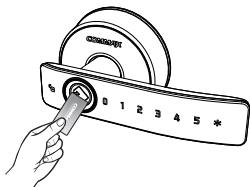


Beep

Open the battery cover inside of the main part and press [Register] button.



3. Tag smart key to smart key input section.



Each time you tag the smart keys, you will hear a confirmation tone and be registered. Press the [Register] button on the indoor body to complete the registration.



## Note

1. You may repeat step 3. before the lamp on [number plate] goes out.
2. You can register up to 30 smart keys.

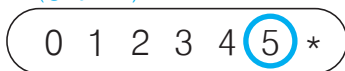


## Warning

1. By registering a new password, the existing password will automatically deleted.

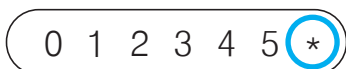
## How to Delete Your Smart Key(CDL-100WL)

1. Press [Register] button
2. Press [5] on the main parts (Outside)



Open the battery cover inside of the main part and press [Register] button.

3. Press [\*] on the main parts for 5 sec. (Outside)



All the registered smart keys will be deleted with confirmation tone after you press [\*] button for 5 seconds

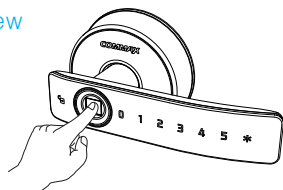
## How to Register Your Fingerprint(CDL-800WL)

1. Press [Register] button
2. Press [2] on the main parts (Outside)



Open the battery cover inside of the main part and press [Register] button.

3. Register new fingerprint



After tagging your registering fingerprint 4 times, press [Register] button to complete registration.

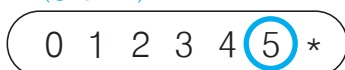


### Note

1. You can register up to 100 fingerprints.
2. During the registration, it will be terminated if there are no any inputs for 20 seconds.

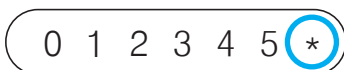
## How to Delete Your Fingerprint(CDL-800WL)

1. Press [Register] button.
2. Press [5] on the main parts (Outside)



Open the battery cover inside of the main part and press [Register] button.

3. Press [\*] on the main parts for 5 sec. (Outside)



All the registered fingerprints will be deleted with confirmation tone after you press [\*] button for 5 seconds.

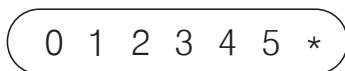
## How to Unlock from Outside(password)

### 1. Press [Start] button.



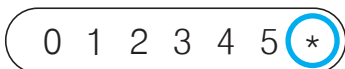
Press [Start] button from the outdoor handle.

### 2. Enter your password



Enter registered password when LED light is on.

### 3. Press [\*] button.



When you press the button, the door will be opened with confirmation tone.

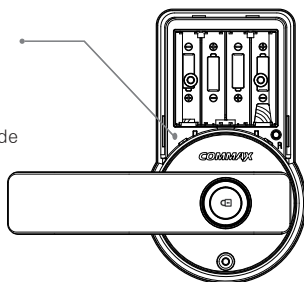
## Setting for Auto/Manual Lock



Set Auto/Manual mode by switching slide inside of the indoor product.

A : Automation Lock

M : Manual Lock



## How to Lock from Indoor

### 1. When Auto lock is set

The door will be locked after the door open state is maintained for 7 sec. with password / fingerprint.

### 2. When Manual lock is set

The door will be locked after you press [dual lock] button at indoor.



[Dual Lock]

## How to Lock from Outdoor

### 1. When Auto lock is set

The door will be locked after the door open state is maintained for 7 sec. with password / fingerprint.

### 2. When Manual lock is set

The door will be locked after you press

[Start] button 2seconds inside of the outdoor handle. [Start]



# How to Set Dual Lock Function

This function is to prevent the door opening even with a password or fingerprint from outside the door.

## 1. How to set dual lock function

Press [Dual Lock] button for 3 seconds from inside while the door is locked. And setting is done with the confirmation tone.



### Note

1. When dual lock is set, 5 buttons on number plate will be illuminated.

# How to Delete Dual Lock Function

## 1. Deleting from inside door

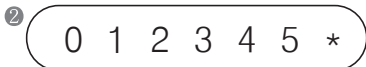
Press [Dual Lock] button from inside door to delete dual lock function.



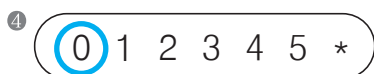
## 2. Deleting from outside door



Press [Start] button from outside door. Enter password



Press [Start] button from outside door. Press [0] to delete dual lock function.



# Converting the directions of handle

## 1. Press [Register] button. 2. Press [Start] button.



Open the battery cover inside of the main part and press [Register] button.



Press [Start] button from the outdoor handle.

## 3. Press [Register] button.



Open the battery cover of the indoor main part and press [Register] button, and directions of handle will be changed.



### Note

1. If the number plate on the outside handle is turned upside down after installation, change the setting as described above.

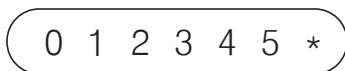
# How to Register/Delete 3D Touch

## 1. Press [Start] button.



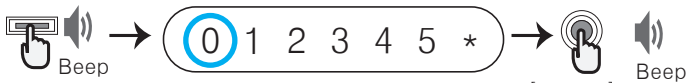
Press [Start] button from the outdoor handle.

## 2. Enter password.



Enter registered password when LED light is on.

## 3. Press [Start] button.



Press [start] button 2 times

[Register]

Press [Start] button twice in a row, press [0] and open the battery cover of the indoor main part and press [Register] button, and 3D touch setting/delete will be changed.

- Setting alarm : Beeeeeeep
- Delete alarm : Beep



### Note

1. It is to strengthen the security of password.

When registering/ authentication a password, pressing the number for a second or longer will set the number to a virtual number instead of the original number.

(Ex. When you press [1] for a long time : it indicates virtual number, not 1.)

2. Combined with the imaginary function of this product, password security will be much strengthened.

3. You can set each number and check by the blinking of the lamp when you press the button more than a second.

4. 3D Touch mode is not set when it is in factory reset mode.



### Note

\* What is imaginary function?

Function to open a door even if random number is entered with the actual password.

Ex) Password “1234”

\* Enter imaginary and password

– 5231234, 1234253, 45123402

\* Even entered as above, the door opens



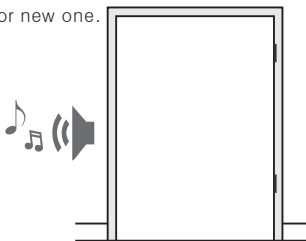
### Warning

1. When 3D touch mode is deleted, the password is reset to ‘1234’ .

2. Recognized as normal number mode in case of master registration/deletion, fire/mischief.

# Alarm Alert for Battery Replacement

When warning light is on the number plate after operation or if you hear 'Beep, Beep, Beep' sounds, you need to change the battery. At this time, you need to replace all the batteries for new one.



## Warning

1. The battery life may vary depending on the manufacturer, date of manufacture, and usage environment.  
(Wireless interlock module not used, AA type alkaline batteries\*4EA, 10 times a day basis of use can be used more than 10 months.)
2. If battery leakage occurs, the product may be damaged. Please check it regularly (approx. Every 6 months.)

## To Register/Delete Multi-layered

### 1. Press [Start] button.



Press [Start] button from the outdoor handle.

### 2. Enter password.

0 1 2 3 4 5 \*

Enter registered password when LED light is on.

### 3. Press [Start] button 2 times



Press [start] button 2 times

0 1 2 3 4 5 \*



[Register]

Press [Start] button twice in a row, press [4] and open the battery cover of the indoor main part and press [Register] button, and multi-layered authentication setting/delete will be changed.

- Setting alarm : Beeeeeep
- Delete alarm : Beep



## Note

1. When Multi-layered Authentication mode is set, you can open the door after password + card / password + fingerprint authentication.
  - \*Multi-layered authentication mode is not set when it is in factory reset mode.
  - \*Multi-layered authentication mode is deleted when you set in same way of registration.



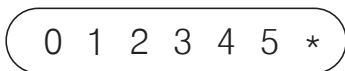
# Setting/Deleting Register Authentication

1. Press [Start] button.



Press [Start] button from the outdoor handle.

2. Enter password.

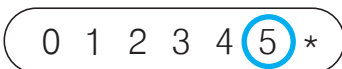


Enter registered password when LED light is on.

3. Press [Start] button.



Press [start] button 2 times



Press [Start] button twice in a row, press [5] and open the battery cover of the indoor main part and press [Register] button, and 3D touch setting/delete will be changed.

- Setting alarm : Beeeeeeeep
- Delete alarm : Beep



## Note

1. When Register Authentication mode is set, you need to authenticate with existing password to use registration mode.
- \* Register Authentication mode not set when it is in factory reset mode.
- \* Register authentication mode is deleted when you set in same way of registration.

# Sounds Control

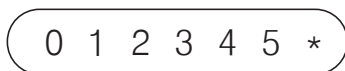
1. Press [Start] button.



Beep

Press [Start] button from the outdoor handle.

2. Enter password.

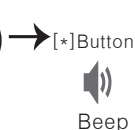


Enter registered password when LED light is on.

3. After you press [start] button, change the volume with [1] and [3] buttons.



Press [1] to decrease the volume.  
Press [3] to increase the volume



## Note

1. You can set the sound volume in 8 different stages.
2. Under the temporary pause mode, the lamp on keypad will keep blinking when you push the buttons.

# Setting the sound temporary pause

---

You can set the sound temporary pause at once whatever you have set the sound volume.

## Settings

1-1. Press [Start] button on outer body 2times

After pressing password, press [\*] button

1-2. Press [Start] button on outer body 2times

Contact [fingerprint] or [smart key] to unlock the door



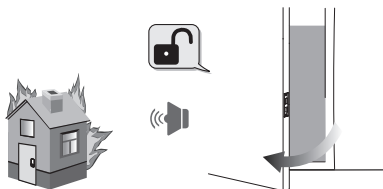
### Note

This is for only once, you will hear the operating sound afterwards.

## High Temperature Detection

---

If the high-temperature ( $60^{\circ}\text{C} \pm 10^{\circ}\text{C}$ ) is detected, it unlock the door automatically with warning sounds for safety.



## Emergency Power

---

If you can't open the door when the batteries run out completely,

1. Contact 9V battery to terminal of outer body.

While contacting 9V battery to terminal of outer body, press password + [\*] and the door will be unlocked.

2. Connect auxiliary battery to terminal of outer body.(Micro USB 5 pin)

While contacting auxiliary battery(Micro USB 5 pin) to terminal of outer body, press password + [\*] and the door will be unlocked.

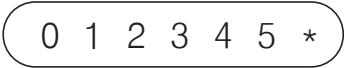
# Factory Reset Mode

1. Press [Register] button for 5 sec.
2. When all the lamp on [number plate] is on, enter “01234543210” .



Beep

Open the battery cover inside of the main part and press [Register] button for 5 sec.



3. Press [Start] button on outer handle for 2 sec.



Beep

Factory reset mode is on with the confirmation tone when you press [start] button for 2 sec.



### Warning

1. All the setting goes default after the factory reset mode.



### Note

- Settings for Factory Reset Mode
- password : [1][2][3][4]
  - Sound setting : High
  - Multi-layered authentication mode : Off
  - Register authentication mode : Off
  - 3D Touch mode : Off
  - Direction of handle(left/right) : Right

# Self-checking list

You can see the status of the door lock by checking the flashing number on the number plate.

Operation	Self-Checking List
LED 1 ON FLASH	None
LED 2 ON FLASH	<div><div>– Error on access code, fingerprint RF card registreation / delete (duplicate registration)</div><div>– Not registered password, fingerprint, RF card</div></div>
LED 3 ON FLASH	Number of fingerprint/password registered is full.
LED 4 ON FLASH	Fire alarm
LED 5 ON FLASH	Duplicate lock inside
LED 0 ON FLASH	Trouble with fingerprint module
ALL NUMBERS ON FLASH	Trouble with deadbolt

# Summary of how to use

Function	Default	
Password registration/change	1234	[Registration] ⇒ [1] ⇒ Password to register ⇒ [*] ⇒ [*]
Fingerprint registration(CDL-800WL)		[Registration] ⇒ [2] ⇒ Fingerprint registration 4 time ⇒ [Registration]
Delete all fingerprints(CDL-800WL)		[Registration] ⇒ [5] ⇒ [*] button More than 5 seconds
Smart key registration(CDL-100WL)		[Registration] ⇒ [2] ⇒ Contact Smart key
Delete allSmart key(CDL-100WL)		[Registration] ⇒ [5] ⇒ [*] button More than 5 seconds
Open the door indoors		Interior side handle operation
Close the door indoors		Manual Locking: Press the [Internal Dual Locking] button
		Auto lock: Auto lock will be after 7seconds
Open the door outdoors		Password : [Start] ⇒ LED ON ⇒ password ⇒ [*]
Close the door outdoors		Auto lock: Auto lock will be after 7seconds
		Manual lock : Push the [Start] button 2 seconds
Left/Right direction conversion function	Right	[Registration] ⇒ [Start] ⇒ [Registration]
Internal force lock setting		Press and hold the [Internal force lock] button for 3 seconds
Release internal force lock		Indoors: manual opening and closing with door open and door closing
		Outdoors : [Start] ⇒ password ⇒ [Start] ⇒ [0]
Etiquette mode function		password : [Start] 2times ⇒ password ⇒ [*]
		fingerprint, smart card : [Start] 2times ⇒ contact fingerprint,smart key
Buzzer volume setting		Treble :[Start] ⇒ password ⇒ [Start] ⇒ [1] ⇒ [*]
		Bass : [Start] ⇒ password ⇒ [Start] ⇒ [3] ⇒ [*]
Set dual authentication mode	Release	[Start] ⇒ password ⇒ [Start] 2times ⇒ [4] ⇒ [Registration]
Set registration authentication mode	Release	[Start] ⇒ password ⇒ [Start] 2times ⇒ [5] ⇒ [Registration]
3D touch enhanced	Release	[Start] ⇒ password ⇒ [Start] 2times ⇒ [0] ⇒ [Registration]