




Yale YDM7220 5-in-1 Access Smart Lock User Guide

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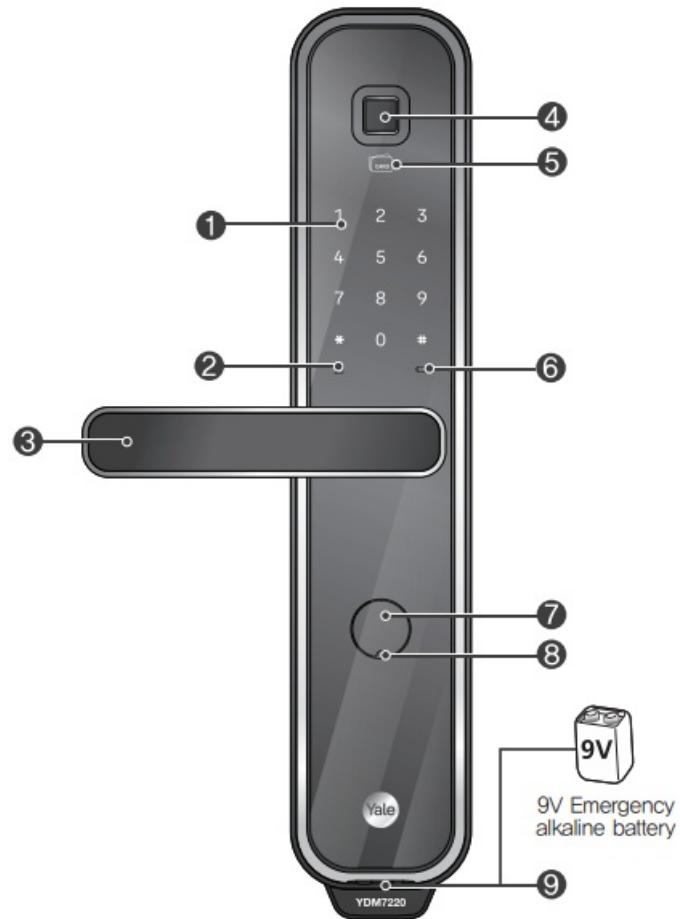
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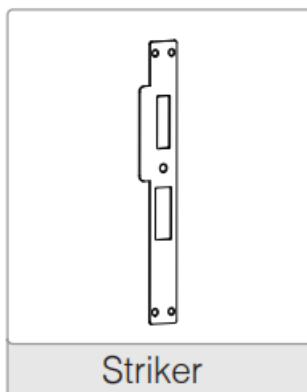
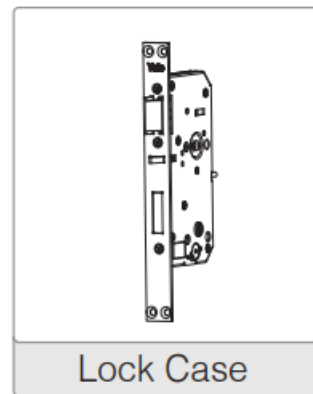
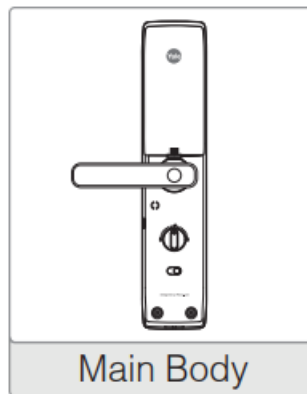
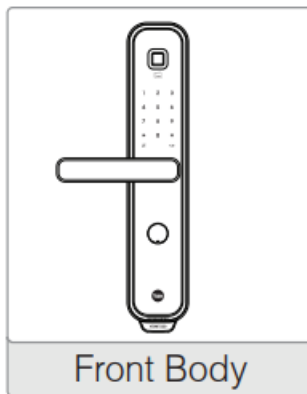
Yale YDM7220 5-in-1 Access Smart Lock



Front Body



Basic Contents



- User Manual
- Installation Guide

- AA Batteries X 4
- Card Keys X 4
- Mechanical Keys X 2
- Screws

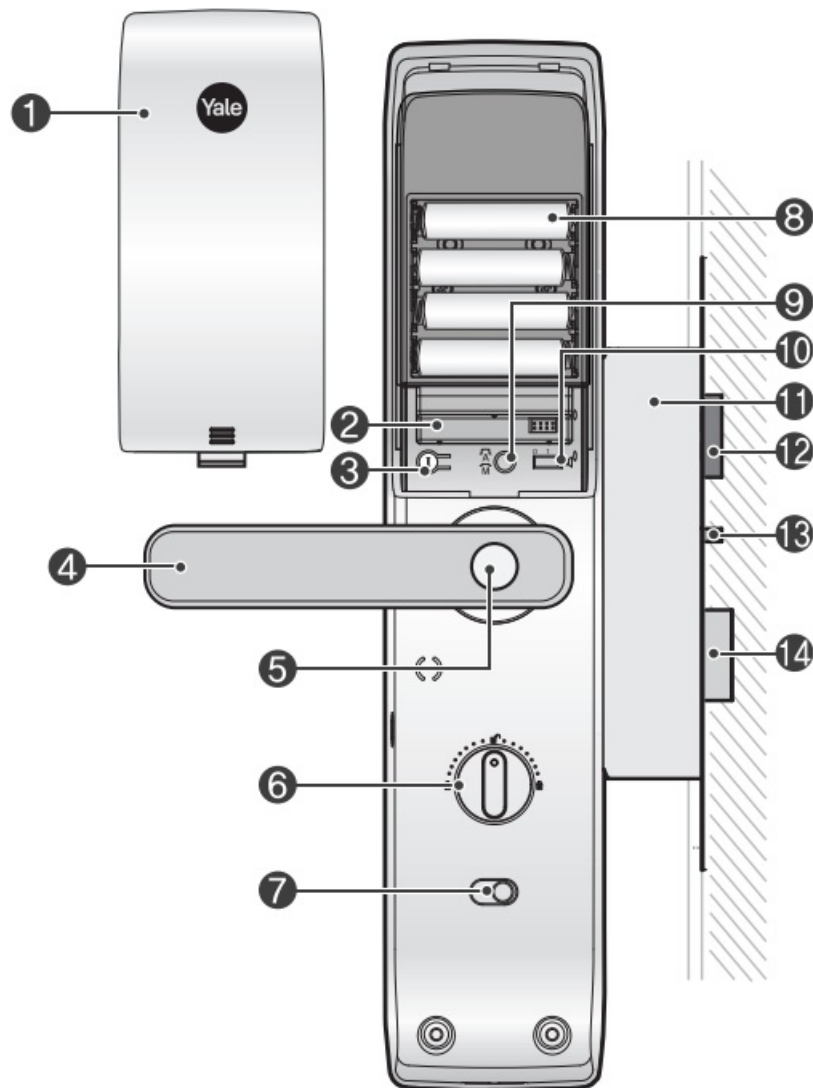
Optional Accessories

- Remote Controller
- Remote Control Module
- Bluetooth Module

Specifications

Battery life may vary depending on temperature, moisture levels, frequency of use and the quality of the batteries.

Main Body



Front Body

1. Keypad(10-key)
2. Dead Bolt Jam Lamp













3. Lever
4. Fingerprint Sensor
5. Card Key Reader
6. Battery Change Lamp
7. Emergency key cover
8. Emergency Key (Inside)
9. Emergency Power Supply Terminal

Main Body

1. Battery Cover
2. Slot for Remote control module (Optional)
3. Registration button
4. Lever
5. Safe Handle Button
6. Manual Thumb Turn
7. Internal Forced Lock Switch
8. 1.5V AA Alkaline Batteries (4PCS)
9. Auto/Manual Lock Button
10. Volume Control Switch
11. Lock Case
12. Latch Bolt
13. Automatic Locking Sensor
14. Dead Bolt

Setting Menu

- Normal Mode: Without a designated person, anyone who knows 'User PIN Code' has authority to set features .
- Master Code: Only a designated person who knows 'Master PIN Code' has authority to set features.
- Visitor Code: The visitor code is different from user code and given out to visitors only.
- Onetime Code: The onetime code is used only once for unlocking the door lock and automatically deleted after usage.
- User Slot Number: It should be 2 digits(like '01', '02'...'99', '00') and available in advanced mode.

	Touch the Keypad of the Front Body with your palm to begin
	Press * button on the Keypad
	Press # button on the Keypad
	Press ⓘ (Registration) button in every steps to start or complete the session
	Enter User Card Key (Up to 100EA)
	Enter User Fingerprint (Up to 100EA)
	Enter User Code (4 ~ 10 digits)
	Enter Master Code (4 ~ 10 digits)
	Enter Visitor Code (Only 4 digits)
	Enter Onetime Code (Only 4 digits)
	User Slot Number should be 2 digits (like '01' ... '99' and '00': Location of 100th user slot must be assigned '00' instead of '100'.)
	Rotation area to add more features

Product Features

- One-touch Fingerprint Verification

Easy Scan by Goodix fingerprint solution: Live finger detection and secure matching

The leading liveness performance improves the security of Yale smart lock dramatically.

- Yale Access Bluetooth App (Yale Access BLE module: optional item)

This service is an innovative solution provided by YALE. Using high-tech IoT technology, user can access and unlock the digital door lock with your smartphone.

- Smart Touchpad Automatic Locking

The automatic lock sensor detects the door closing and locks the door automatically within 5 seconds. The door locks when touch the keypad with the palm.

As the automatic lock function does not work in manual lock mode, make sure to check that the door is securely locked when leaving the premises.

- 3 minute Lock Out Feature

After five (5) unsuccessful attempts of an invalid code or fingerprint, card key lock out mode is activated for 3 minutes.

- Smart Etiquette

When entering a pin code on the keypad, the user can open the door lock in silent mode.

- Fake PIN Code

Security enhancement to enter any number before or after entering a password to prevent the PIN code from

being exposed.

- Internal Forced Lock

It is a security-enhancing function that 'disables' authentication methods such as passwords, RFID cards and fingerprints from outside when setting up functions indoors.

- External Forced Lock

It is a security-enhancing function that an alarm goes off if someone opens door from inside when setting up functions outside.

- Voice Guide Feature

It guides user the operation status how to set each features, mode for easier and more convenient use.

- Other features and Benefits

- Remote Controller (Optional):
- This option may not be available depending on your country or local dealer. Network Module/Controller (Optional): It allows door lock to connect with Home network controller.
- Intrusion/Broken Alarm.
- Low Battery Alarm and Emergency Power Supply.

Normal Mode

Normal mode is a convenient mode for anyone to set the digital door lock. User can set password like user code, visitor code, onetime code and register user's fingerprints, card keys as well. Factory default is a normal mode.

Language Change											
Registr-ation	U PIN CODE	I	4	#	5	#	1	Korean	#	*	OR I
							2	Chinese	#	*	OR I
							3	English	#	*	OR I
							4	Taiwanese	#	*	OR I
Bluetooth setting (Yale Access app)											
Registr-ation	U PIN CODE	I	7	#	Set up a new device in the app						
Remote Contoller Up to 5EA											
Registr-ation	U PIN CODE	I	8	#	1	#	SET Button	#	*	OR I	
Delete					3	#	U PIN CODE	#	*	OR I	
Home Network Controller											
Registr-ation	U PIN CODE	I	9	#	1	#	Cont roller	#	*	OR I	
Delete					3	#	U PIN CODE	#	*	OR I	

1		12 (Registration process)										✱ Continue / ⓘComplete			
		1	2	3	4	5	6	7	8	9	10	11	12		
User Code														Only 1EA	
Registr-ation	ⓘ	U PIN CODE New	ⓘ												
Card Key														Up to 100EA	
Registr-ation	ⓘ	CARD	ⓘ												
Fingerprint														Up to 100EA	
Registr-ation	ⓘ	✱	8times	✱	OR	ⓘ									
Visitor Code														Only 1EA	
Registr-ation	U PIN CODE	ⓘ	1	#	1	#	V PIN CODE	#	✱	OR	ⓘ				
Delete					3	#	U PIN CODE	#	✱	OR	ⓘ				
Onetime Code														Only 1EA, Automatically deleted after use	
Registr-ation	U PIN CODE	ⓘ	2	#	1	#	0 PIN CODE	#	✱	OR	ⓘ				
Delete					3	#	U PIN CODE	#	✱	OR	ⓘ				
Delete all credentials (Fingerprint, Card)															
Delete all finger-print	U PIN CODE	ⓘ	3	#	1	#	U PIN CODE	#	✱	OR	ⓘ				
Delete all card					2	#	U PIN CODE	#	✱	OR	ⓘ				

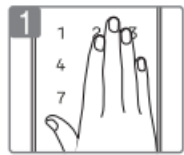
How to press set button of remote controller

Press the set(registration) button located on the front of remote controller. You can press it using a pin like a picture.

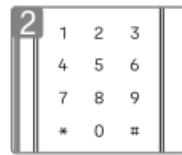
Please note the following when using Yale Access Bluetooth App.

- Depending on product type or FW version, app registration and door lock connection in normal mode may not be possible, so if registration is not possible, change from normal mode to master mode and try again. [App Registration in Master Mode: Master Pin Code-> ⓘ (Registration Button)-> 7 -> #]
- Because Yale Access Bluetooth App is only available in master mode, user code automatically changes to master code when registering APP in normal mode.
- Please be informed that all registered credentials will be deleted when changing mode or registering and deleting app.

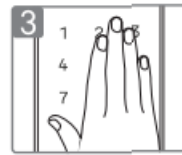
Unlocking Door with Code



Palm touch

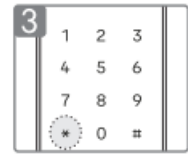


Enter the Code



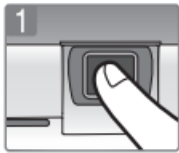
Palm touch

OR

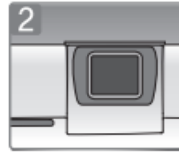


Enter the
* button

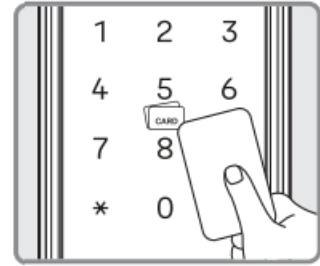
Unlocking Door with Fingerprint / Card Key



Touch the panel of
finger print area
sensor using
registered fingerprint
for 1 seconds.



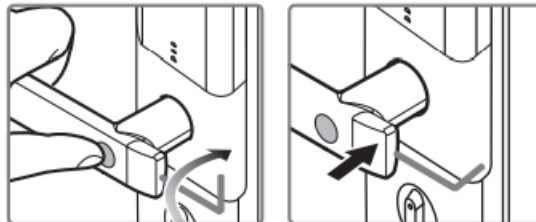
Fingerprint
scan completed



Contact registered
Card Key

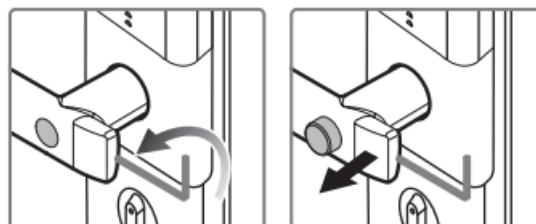
Safe Handle Feature

To disable Safe Handle Setting



- Open the battery cover and take out a hex wrench.
- Keep pushing the safe handle button.
- Turn the fixing screw clockwise to fix the button.

To enable Safe Handle Setting



- Open the battery cover and take out a hex wrench.
- Turn the fixing screw anticlockwise until the safe handle button comes out.

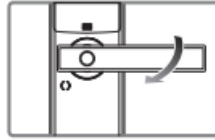
Opening Door(Inside/Outside)

From Outside



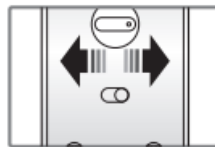
Pull the lever handle down to open door

From Inside



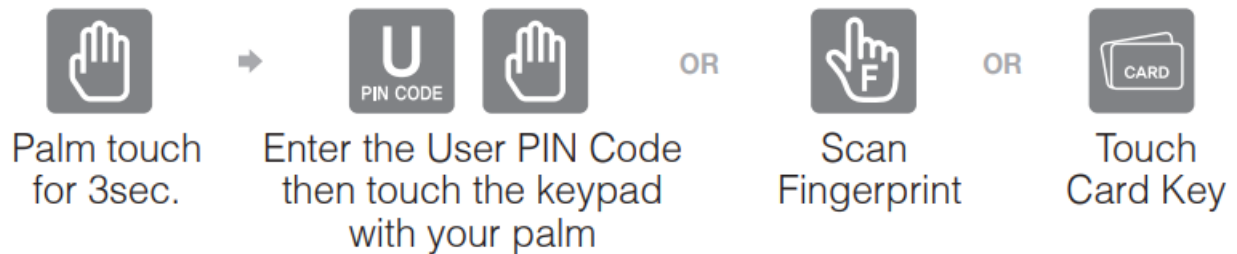
To open when Safe Handle Settings are enabled : Keep pushing the safe handle button. And Then, press and open the door. To open when Safe Handle Settings are disabled : Pull the lever handle down and open the door.

Internal Forced Lock



Close the door and then move the lock button to “LOCK” position.

Unlocking Door with Smart Etiquette



Locking the Door(Inside/Outside)

Automatic Lock Mode(Inside/Outside)



In automatic lock mode, the lock automatically locked within 5 seconds after closing the door and detecting the automatic lock sensor.

Manual Lock Mode



- The door locks when touching the keypad with the palm. (outside)
- Use Thumb turn knob on the main body. (Inside)

Automatic/Manual Lock Setting

Automatic Lock Setting



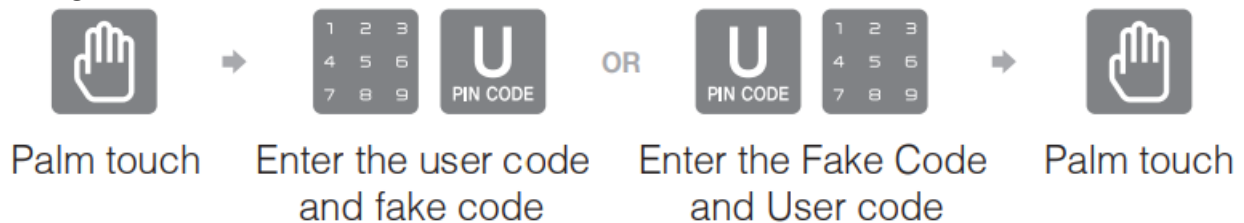
Release the button to set automatic lock mode on the main-body (after opening the battery cover)

Manual Lock Setting



Press the button to set manual lock mode on the main-body.

Unlocking Door with Fake Code



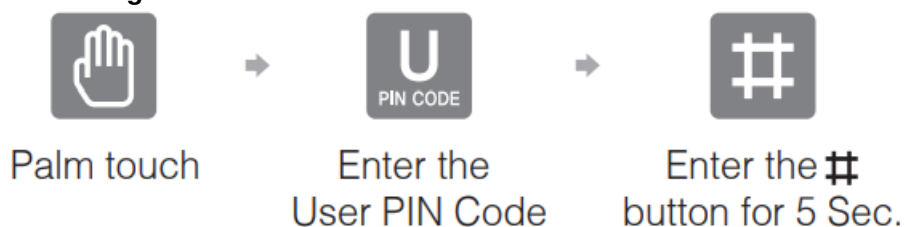
External Forced Lock

External Forced Lock Setting-Fingerprint



Scan with registered Fingerprint and hold the fingerprint area until you hear 3 beep sounds.

External Forced Lock Setting – User Code



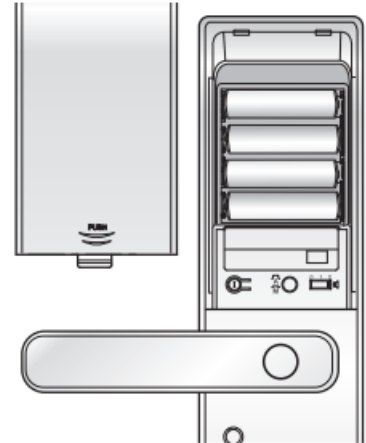
External Forced Lock Setting – Card Key

Contact Card Key on [Card Key reader] for 5 sec. until you hear 3 beeps.

Releasing External Forced Lock Setting

When the door is unlocked from outside based upon proper authentication, the External forced lock will be released.

Volume Setting



The operation sound volume will be adjusted according to the Volume Switch setting.

3-minute Lock Out Feature

If an invalid user code, fingerprint or card key is entered five(5) times lock out mode is activated and all buttons on the front body are not for three minutes.

To Release 3-minute Lock Out

- Open with inside door bar.
- Open the door with a mechanical key.
- Press button.

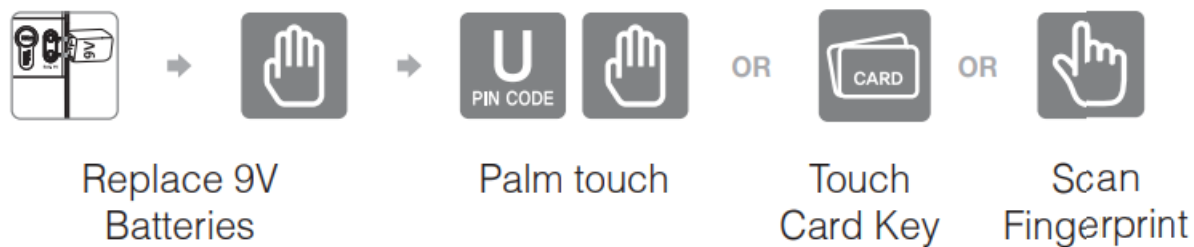
Alarm

- Intrusion Alarm : The alarm goes off when someone forces the door open. For example, In case of an intrusion by opening a gap in the door while the door is locked.
- Broken Alarm : The alarm sounds when the front part is completely separated from the main set. For example, forced removal of external product (front body).

To turn off alarm

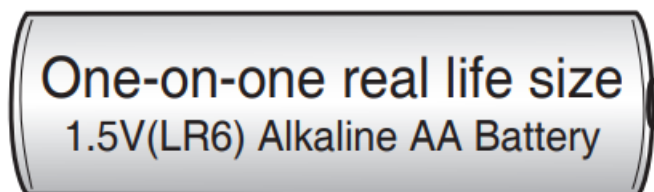
- Enter the registered User code.
- Press button for 5 seconds.
- Enter the registered Fingerprint.
- Touch the registered Card key.

Emergency power supply for discharged batteries



In case of discharged batteries, please use 9V battery to supply power

Power supply



The product uses four 1.5V Alkaline AA batteries. They may sustain 1 year if used 10 times a day. (Users are advised to use authentic Alkaline batteries.)

You must replace all 4 batteries in the following cases:

- The Low Battery LED on keypad flickers red.
- When low battery notification message is played.




RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE NATIONAL CODE OR RECYCLING PROGRAM.

Code Chart

[illegible]

Master Mode

Master mode is a mode in which only the administrator can set the door lock and provide access to other users. 100ea user passwords, 100ea card keys, 100ea fingerprint and individual registration and deletion of one-time passwords enable efficient management of visitors.

1  14 (Registration process) * Continue / ① Complete															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Switch to master mode (from normal mode)															
Change Mode	U <small>PIN CODE</small>	①	4	#	1	#	M <small>PIN CODE New</small>	#	M <small>PIN CODE Again</small>	①					
Master Code Change														Only 1EA	
Registr-ation	M <small>PIN CODE</small>	①	1	#	M <small>PIN CODE New</small>	#	M <small>PIN CODE Again</small>	#	*	OR	①				
User Code															Up to 100EA
Registr-ation	M <small>PIN CODE</small>	①	2	#	1	#	UN	#	U <small>PIN CODE</small>	#	*	OR	①		
Delete					3	#	UN	#	*	OR	①				
Fingerprint														Up to 100EA	
Registr-ation	M <small>PIN CODE</small>	①	3	#	1	#	1	#	UN	#	 <small>8times</small>	*	OR	①	
Delete					3	#	UN	#	*	OR	①				
Card Key														Up to 100EA	
Registr-ation	M <small>PIN CODE</small>	①	3	#	2	#	1	#	UN	#	 <small>CARD</small>	#	*	OR	①
Delete					3	#	UN	#	*	OR	①				
Onetime Code														Only 1EA, Automatically deleted after use	
Registr-ation	M <small>PIN CODE</small>	①	4	#	1	#	0 <small>PIN CODE</small>	#	*	OR	①				
Delete					3	#	M <small>PIN CODE</small>	#	*	OR	①				

User Slot Number should be 2 digits. like '01' ... '99' and '00': Location of 100th user slot must be assigned "00" instead of "100".

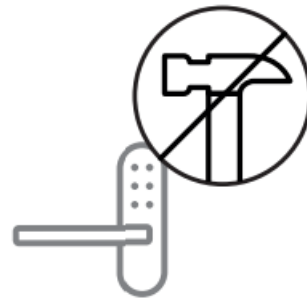
Delete all credentials												
Registr-ation	M PIN CODE	I	5	#	M PIN CODE	#	*	OR	I			
Language Change												
Registr-ation	M PIN CODE	I	6	#	5	#	1	Korean	#	*	OR I	
							2	Chinese	#	*	OR I	
							3	English	#	*	OR I	
							4	Taiwanese	#	*	OR I	
Bluetooth setting (Yale Access app)												
Registr-ation	M PIN CODE	I	7	#	Set up a new device in the app							
Remote Controller Up to 5EA												
Registr-ation	M PIN CODE	I	8	#	1	#	UN	#	SET Button	#	*	OR I
Delete					3	#	UN	#	*	OR I		
Home Network Controller												
Registr-ation	M PIN CODE	I	9	#	1	#	Cont roller	#	*	OR	I	
Delete					3	#	M PIN CODE	#	*	OR	I	
Switch to normal mode (from master mode)												
Change Mode	M PIN CODE	I	6	#	1	#	U PIN CODE New	#	U PIN CODE Again	I		

- Voice guidance function: The lock provides voice guidance for user and it will be helpful to set up lock's features correctly.
- All registered passwords and other credentials can be deleted at the time of mode change.
- Please install(register) the network module when you want to use a remote control or home network.

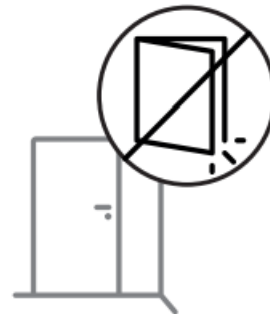
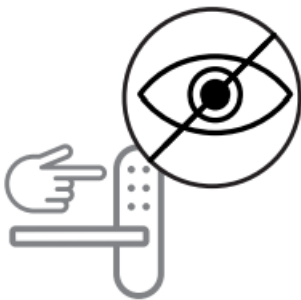
Important notes



- Do not install the digital door lock in an outdoor environment.
- Do not attempt to disassemble the digital door lock by yourself.



- Do not spray water directly or wipe with chemicals such as benzene, gasoline or alcohol.
- Do not use force with a tool onto the product.



- When using, remember that someone else can see the password.
- Make sure to lock the door tight when you go out.

Safety and Warning

- Do not install the digital door lock in an outdoor environment.
- Do not attempt to disassemble the digital door lock by your self. By doing so, you may get an electronic shock and damage the product.
- Do not use force with a tool onto the product.
- Make sure to lock the door tight when you go out.
- Be careful not to hit the handle as it may cause injuries.
- Do not use water and any type of solvent to clean the product such as gasoline or benzene as they can cause damage to electronic circuit, deterioration and or paint peel-off.
- It is recommended to change User Code on a regular basis.
- In manual lock mode, make sure to double check whether the door is securely locked.
- When External Forced lock is set and unlock the door, the alarm will be activated.
- Do not use rechargeable batteries. Only alkaline batteries are recommended.
- Make sure to follow the above instructions to avoid any injuries.
- It cannot be guaranteed in a special conditions & environment such as water condensation, seaside.

Documents / Resources



[Yale YDM7220 5-in-1 Access Smart Lock](#) [pdf] User Guide
YDM7220, 5-in-1 Access Smart Lock, YDM7220 5-in-1 Access Smart Lock