



HÄFELE

EL8000 -TC

DIGITAL DOOR LOCK



USER MANUAL

Product features



Panic Release handle type

It facilitates escapes while in danger opening easily with a simple action of lever down.



Random security coding function

When you enter your home with friends or other people, you don't want to show secret code to them. In this case, you may press any number randomly without limitation and then enter your secret code at final. Then, you can open the door without revealing your secret code.



High reliance mechanical mortise lock type

It has high reliability mechanical mortise lock type with installing the locking device on door body inside.



Free-direction mortise lock type

The mortise lock of this product facilitates easy adjusting to left or right handle direction.



Mute function

You can open the door in quiet not to interrupt neighbor without any operating sound temporarily.



Double lock function

When double lock system is activated, the door cannot be opened from outside even with the registered card key or secret code.



Battery level indicator and alarm for battery replacement time

Easy to check battery status with 3 step level indicator and alarming battery replacement time with sound & lamp.



Volume control by 8 levels

Volume can be controlled at 8 different levels



Auto lock / Auto re-lock function

If the door is closed, you don't need to lock the door manually. It will be locked automatically. And the door can be relocked by itself in 10 seconds if the door is not opened after the correct secret code (or registered card key) is applied.



Register 8 different secret codes & 20 card keys

Maximum 8 secret codes and 20 card keys can be registered for convenience of each family member or office staff.

Safety precautions



Do not disassemble or alter the lock. Assembling or disassembling the door lock may damage the product. Damages to the product caused by unauthorized persons may result in damages to your property. Please contact our Customer Service.



If the product generates harmful gased or smoke, please remove the batteries immediately from the product. If you do not take this step immediately, the product may suffer severe damage.



Please keep the product away from water or any liquids. If the product is exposed to salty water or liquids, please wipe off the moisture with a soft cloth. If moisture or foreign material penetrate the product, remove the batteries immediately and contact the Service Agency or Customer Service Center for advice. Using a product contaminated with foreign materials may cause problems.



Please check the batteries every 6 months to see if the batteries are leaking and to check the cleanliness of battery terminals. If leakage is discovered, please wipe out with a dry cloth and replace the new batteries. In case of exposure to leakage, wash with soap and water immediately.



Do not clean the product with flammable materials such as alcohol, benzene or thinners. Such materials may damage the surface or cause a fire.



Batteries should not be exposed directly to heat sources or flames, or submerged in water, because they may leak or explode, resulting in severe damage. Please do not use damaged batteries.



Do not allow the battery electrodes to make contact with metals such as keys, as the battery may overheat, causing explosion or severe damage.



Please do not close the door with the deadbolt on the locked position. It may damage the product cause a malfunction.



Do not force to pull the front cover. It may damage the product or cause a malfunction.



Please do not mix old with new batteries or use different types. Always use new alkaline batteries. Please make sure the batteries are inserted correctly (+/-) as indicated in the battery compartment. Otherwise, it may cause a leaks or explosions.

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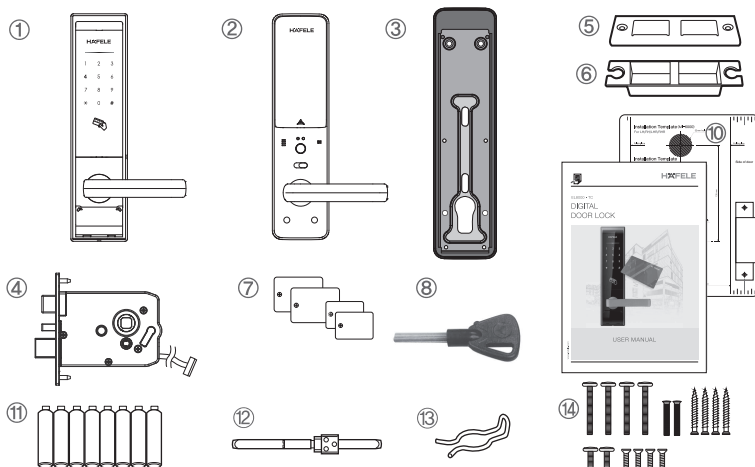
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Applications

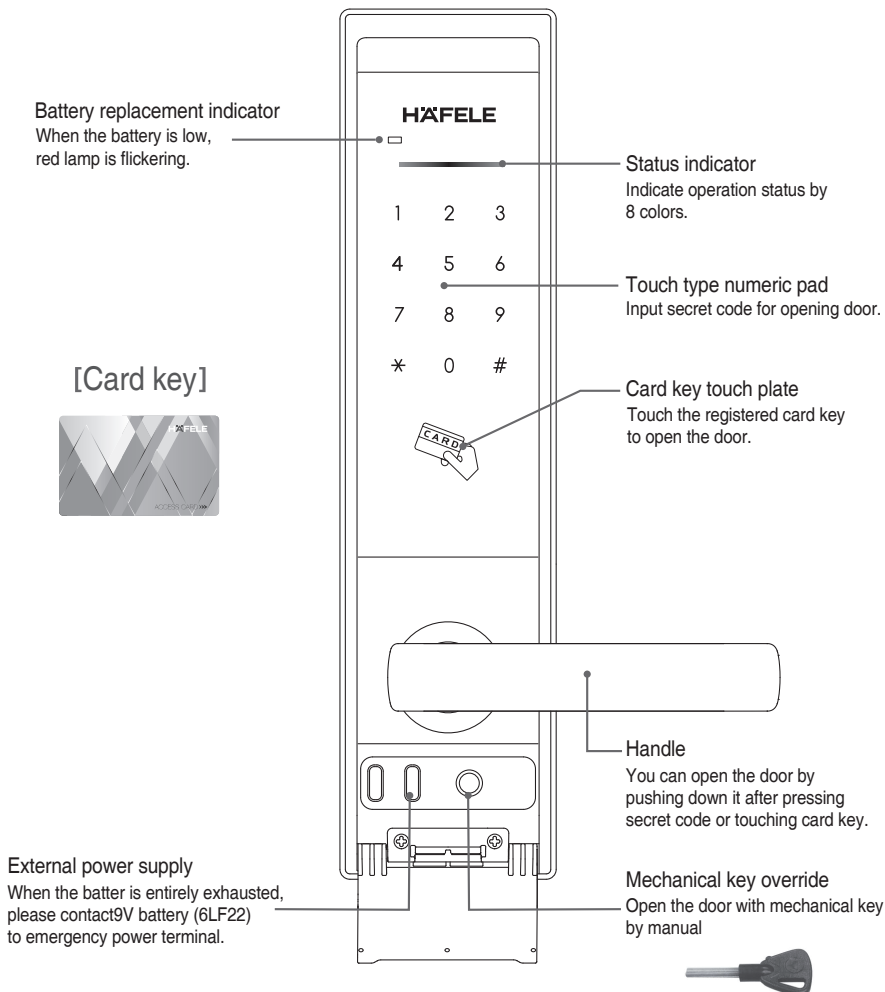
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Product composition and components



| Name | Product specification | Remark |
|---------------------------|--|---|
| 1. Front Ass'y | 76(W) x 306(H) x 28(D) | Including rubber pad |
| 2. Back Ass'y | 71(W) x 298.6(H) x 30.7(D) | |
| 3. Back Cover | 76mm x 303.6(H) x 7.9(D) | Including rubber pad |
| 4. Mortise lock | 123(W) x 109.5(H) x 24.5(D) | |
| 5. Striker | 36(W) x 106(H) x 1.5(D) | |
| 6. Striker housing | 24(W) x 102(H) x 18(D) | |
| 7. Card key | 4EA | |
| 8. Mechanical key | 3EA | |
| 9. User manual | Main user manual | |
| 10. Installation template | Use for making hole at the door | |
| 11. Battery | 8 pcs (1.5V, 'AA' Size, LR6 Alkaline) | |
| 12. Handle shaft | 89(W) X 12(H) X 12(D) | |
| 13. Handle shaft stopper | Steel wire spring, 1EA | |
| 14. SCREW | 5 x 30mm 4EA : For back cover 5 x 24.5mm 2EA : For inner lower part 5 x 8mm 2EA : For inner upper part 3/16 in x 1/2 inch, 4EA : For mortise and striker 4 x 19mm 4EA : For front/Back plate | TH M5 x 30 OH M5 x 24.5 TH M5 x 8 FH M5 3/16 x 1/2 FH T4 x 19 |
| 15. Door thickness | 40-50mm | |

Name and function of each part - Exterior modular



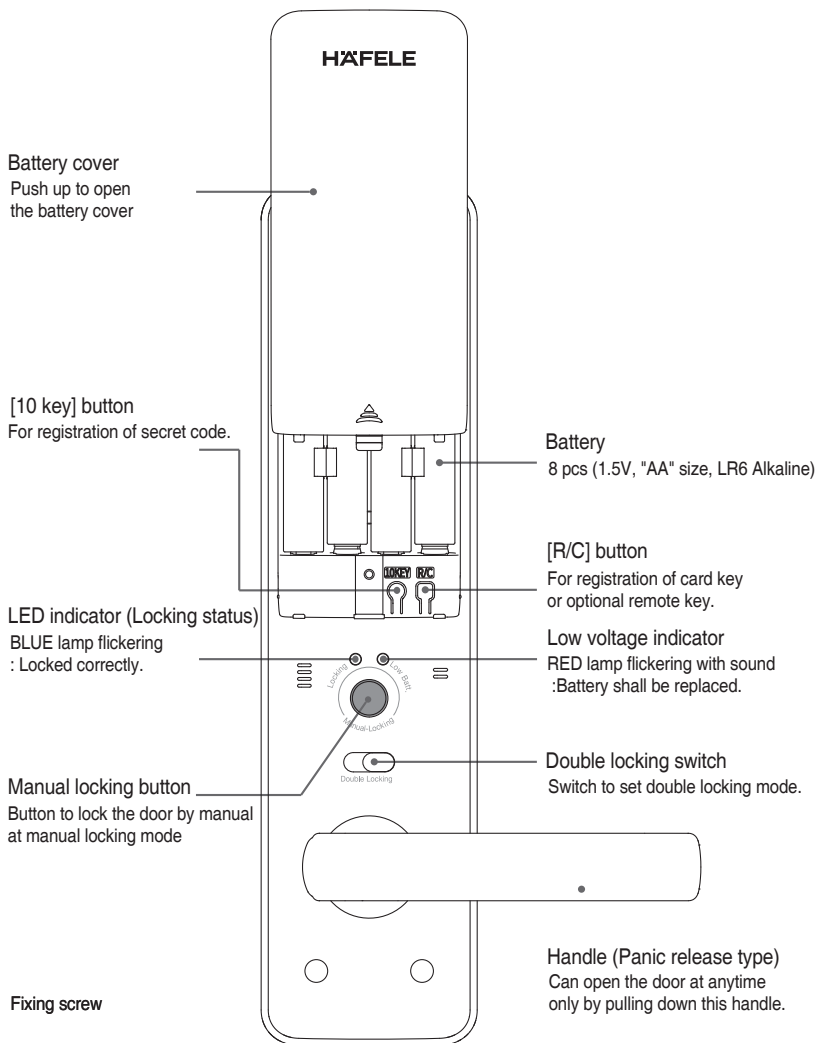
[Card key]



Mechanical key override

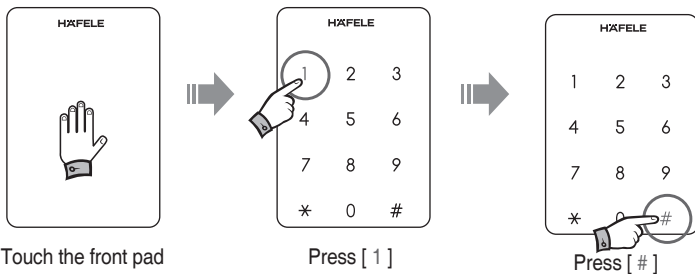


Name and function of each part - Exterior modular



How to check battery capacity/How to replace battery

1. Check battery capacity



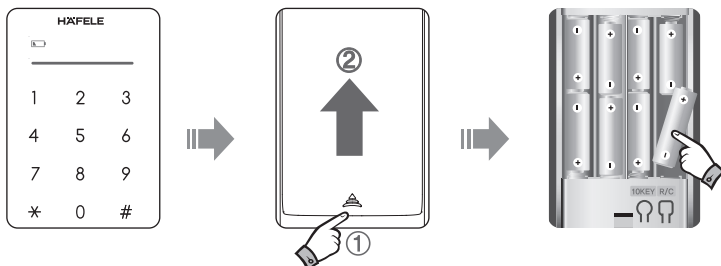
Touch the front pad

Press [1]

Press [#]

GREEN- High / ORANGE - Low / RED - Very low (Replace battery immediately)

2. Battery replacement



1. If battery lamp in RED is flickering with sound.
2. Separate battery cover by pushing to arrow direction as pressing arrow mark(①)by finger.
3. Replace all 8 batteries to new one in same position as like above picture.
(1.5V, "AA" size, LR6 Alkaline)



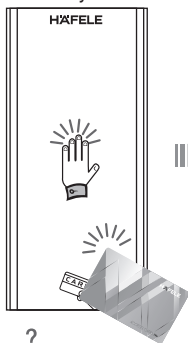
Note

- Life of battery is around one year based on 10 times of uses a day.
- Battery life can be vary depending on battery's manufacturer, production date, installed environment and usage frequency.
- Second hand battery or usage of different type batteries can be a reason of door lock's malfunction.
- Do not use rechargeable battery.
- Leakage on battery can be caused and it is very harmful for door lock's operation. Please check batteries periodically (at least every 6 months) and if there is any of leakage on battery, replace all to new batteries.

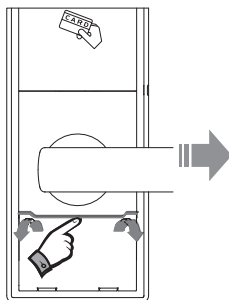
How to apply external power in the emergency

When the battery is entirely exhausted and door lock is not activated, please contact 9V (6LF22) battery to emergency power terminal.

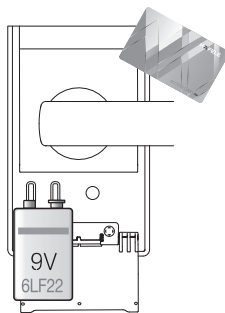
Once the door lock is activated, open the door by secret code and replace the batteries in back ass'y.



...?
Not activated...

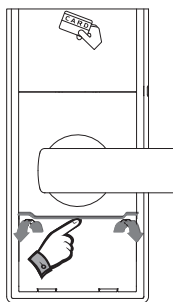


Open the cover with finger

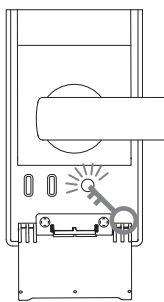


Contact 9V battery and
open the doorby secret code
or card key. ~Bririk

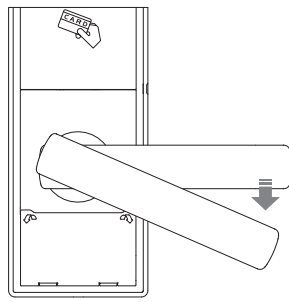
How to use mechanical override key



Open the cover with finger



Insert key and key hole
keep turning the key
to right or left side, and



Pull down the handle
and open the door

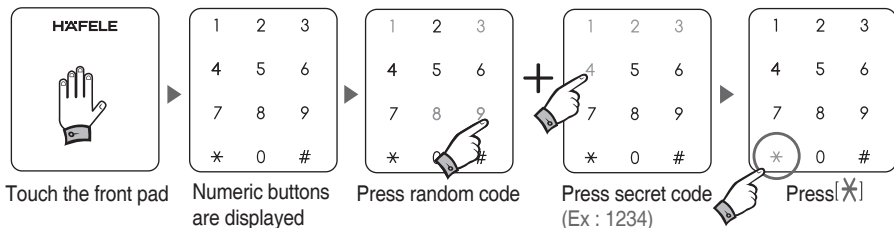


Note

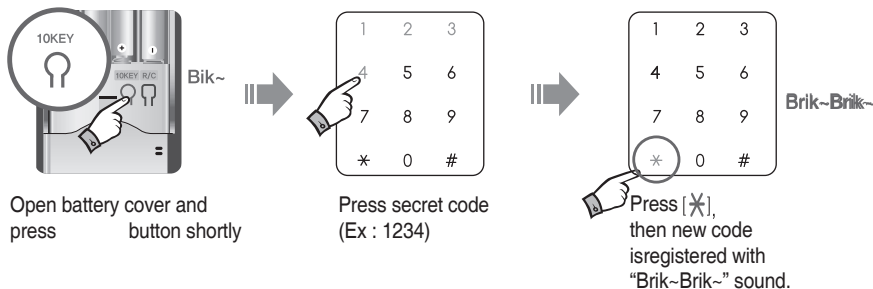
- Position of polarity is in regardless.
- Please keep mechanical override key separately for usage in the emergency.
- After using mechanical override key, please store it safely.

How to use touch-pad and random security coding function

Random security coding function - Press any number randomly without limitation and then enter your secret code at final. With this function, you can open the door without revealing your secret code to others.



How to register secret code

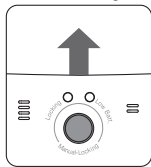


Note

- Do not wear gloves during operation for touch pad.
- When you use random security coding function, actual secret code shall be entered at final.
- Please use soft cloth when you clean touch pad
- Factory setting secret code is '①②③④'
- Max. 8EA of Secret code can be registered with 4 to 12 digits.
- To register multiple code, input new secret code and press [*] successively.
- Existing secret code are deleted automatically after registration of new secret code.
- After changing secret code, please verify it by unlocking with new secret code.

How to register/delete card key

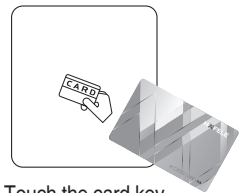
1. Card key registration



Open the battery cover



Press [R/C] button shortly



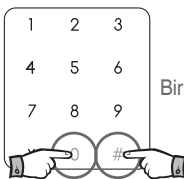
Touch the card key one by one.

2. How to remove card key (Delete all)



Press [R/C] button shortly

Bik~



Press [0]→[#]

All card key data deleted.

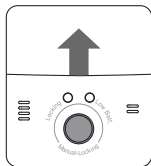
Biriririk~



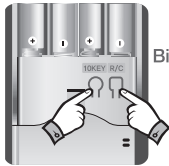
Up to 20EA available

How to delete all secret code & card key

This function is to delete all secret code & card key

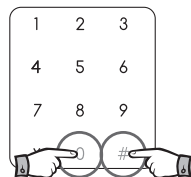


Open the battery cover



Press both of [10key] and [R/C] button for 3 seconds
Bik-Bik~sound.

Bik-Bik~



Press [0]→[#],
then all secret code & card key will be deleted with sound of Biriririk~



Note

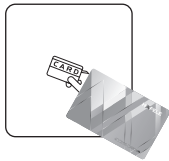
- Existing card key memory is deleted automatically after registration of new card key.
- Delete of individual secret code or card key is not available.
- To register multiple card, touch the new card keys successively and then press [✖].
- Max. 20 card keys can be registered.

How to open from outdoor (Mute function)

1. Open the door using secret code

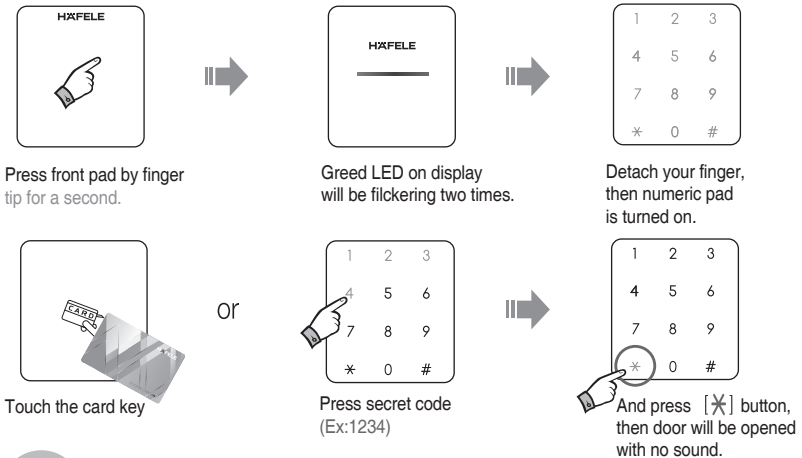


2. Open the door using card key



- 1) Touch the registered card key to card contact point
- 2) Pull down the handle and open the door

3. Open the door with mute function (No sound)



Note

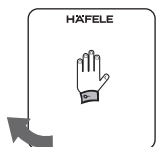
- Mute mode is sustained for 10 seconds.
- If the door is not opened by handle after applying secret code or card key, there will be abnormal locking alarm sound.

How to close from outdoor

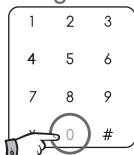
1. Close the door at auto-locking mode

When the door is closed, it is locked automatically with beeping sound.

2. Close door at manual-locking mode



Touch the front pad

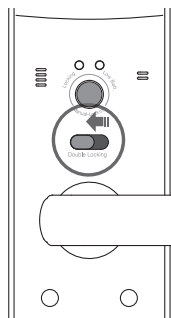


Press [0] button,
then door will be locked.

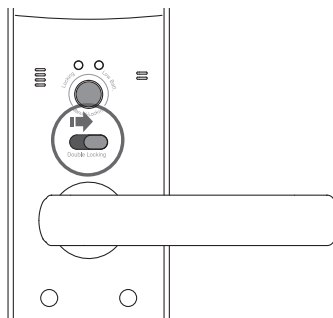
※ At manual-locking mode, door is not locked automatically even though the door is closed.

How to set double locking function

In [Double lock] mode, function of door lock is suspended and can't open the door from outside.



[Double lock] mode installed
(RED)



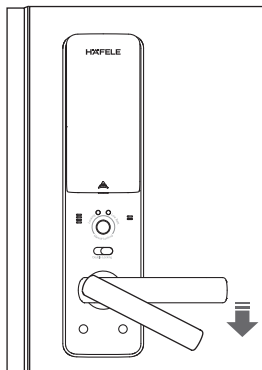
[Double lock] mode released
(GREEN)



Note

- Please confirm that the door is properly closed by pulling down the handle.
- Setting of [Double locking] mode is available when the door is closed.
- Even in [Double locking] mode, it is available to open the door from indoor by pulling down handle. (Panic release system)
- With pulling down handle from indoor, [Double locking] mode shall be released automatically.
- Even in [Double locking] mode, intrusion warning is working properly.
- If the sound is set to mute, there is no status sound. Only indicating lamp is flickering.

How to open from indoor



Just pulling down the handle, door lock is opened at anytime.

“PANIC RELEASE TYPE”

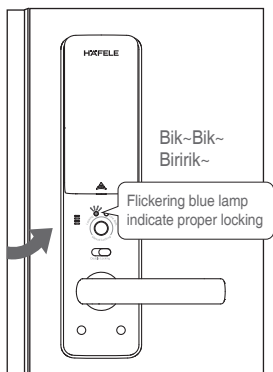
What's "PANIC RELEASE"?

Door can be opened with simple action of pulling down the handle. Even the door lock is out of order, people can escape easily in the emergency such as fire etc.

How to close from indoor

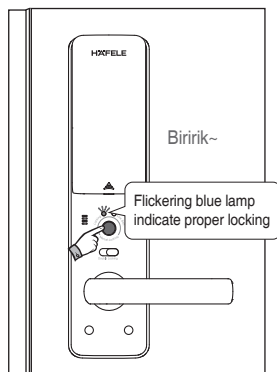
1. In auto-locking mode

When the door is closed, door is locked with beep sound automatically.



2. Manual-locking mode

After closing door, press manual lock button, then door is locked with beep sound.



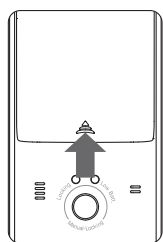
Note

- Before closing the door, make sure that deadbolt is not extrude.

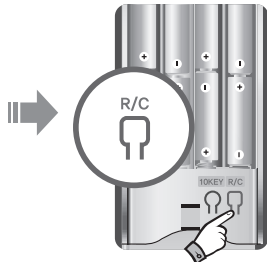
How to use remote key (Optional function)

1. Remote key registration

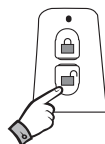
- Max. 10EA of remote key can be registered



Open the battery cover



Press [R/C] button shortly



Press any button on remote key, then registered.

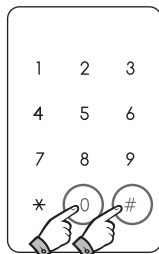
※ For registration of several remote keys, press button of each key one by one.

2. Delete remote key (Delete all)

With delete remote key, card key will be deleted too.

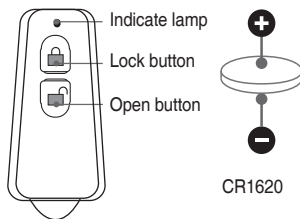


Press [R/C] button shortly



Press [0]→[#], then all registered remote keys are deleted.

● Portable remote key



- Remote key is optional accessory
One round battery (CR1620) is equipped.
- To replace battery, open the back cover by screw driver.

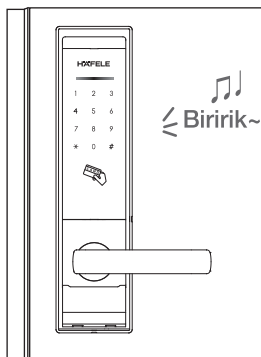


Note

- Another radio device can give effect to operation of remote key.
- With registration of new remote key, previous remote keys and card keys will be deleted automatically
- Once the remote key is operated for more than 1,000 times at the long distance where the key is not available, remote key is not available anymore and there will be warning sound of "Bibibi".
- If the operating distance of remote key is shorten with vague lamp light or not working entirely, please replace the battery of key.(Be care of exact position of +/-)

Auto-locking system

When the door is closed, it will be locked automatically.
(Please refer to page 16 for setting method.)

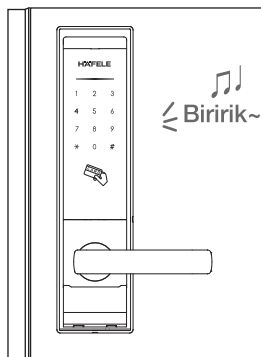


Auto-relocking system

If the door is not opened within 7 seconds after input secret code, it will be relocked automatically to protect user's property.



7 seconds later



If the door is released
by secret code or card key,
but user do not open the door.

Relocked automatically

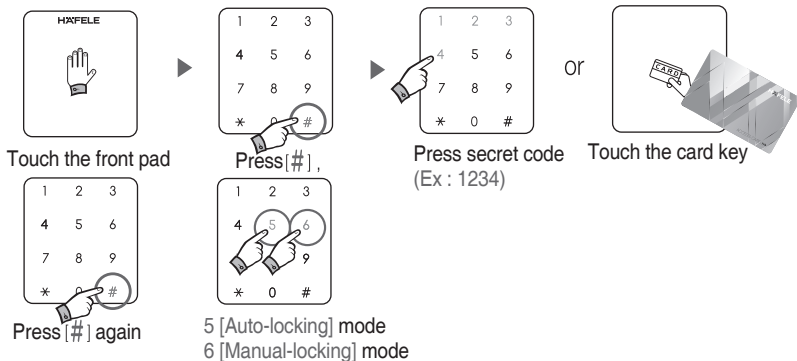


Note

- Auto-relocking system is different from "Auto-locking".
- This is fixed function and can't be released.

How to set auto/manual locking system

1. In Auto-locking mode, door will be locked automatically after closing.
2. In Manual-locking mode, door will be locked with pressing manual lock button after closing.



Note

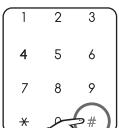
- After setting complete, pull down the handle and close the door.
- In case of [Manual lock] mode, to make it unlocked status, door lock shall be opened by secret code, card key or indoor handle.

How to control volume

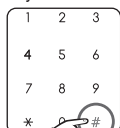
Volume can be controlled by 8 levels.



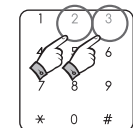
Touch the front pad



Press [#] again

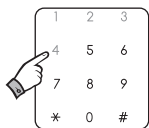


Press [#],



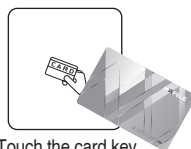
2 [Volume down] mode

3 [Volume up] mode



Press secret code
(Ex: 1234)

Or

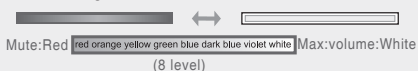


Touch the card key

Reference



Indicating Color For Volume level (Total 8 levels)



※ Press 1 to make maximum level and press 0 to make mute in one time.

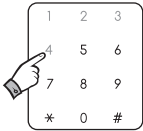


Note

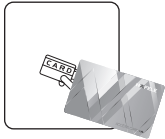
- In mute statue, numeric lamp is flickering with entering secret code.
- After setting, pull down the handle and close the door.

Warning function against mischief or hacking

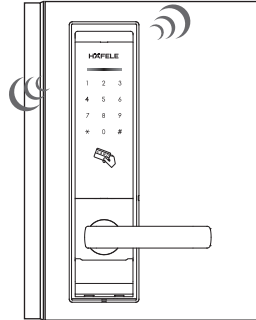
If wrong secret code or unregistered card is applied over 5 times, alarm system is activated with warning sound and all the function of door lock is suspended for one minute.



Applying wrong secret code over 5 times



Applying unregistered card key over 5 times

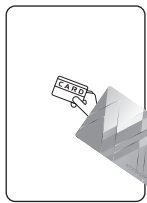


With warning alarm sound system is suspended for 1 minute.

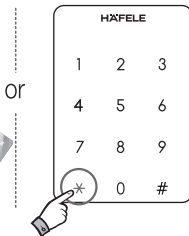
How to release warning sound

1. By card key

2. By secret code



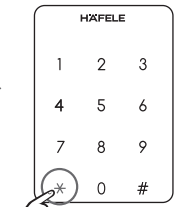
Touch the card key



Press [~~*~~]



Press secret code
(Ex : 1234)



Press [~~*~~] again.
Warning sound will be stop



Note

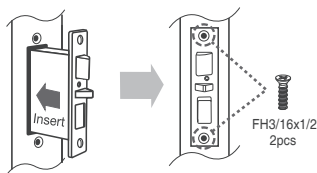
- In case warning function against mischief/hacking is activated, it will be released after one minutes.
- Warning status can be released by [10key], [R/C] or [Manual lock] button.
- Trespass warning alarm continues for 2 minutes.
- If the trespass warning alarm is released by secret code or card key, system return to normal status.

⚠ Note

- ⇒ Installation method for left handed door and right handed door is same
- ⇒ Before installation, adjust the direction of latch bolt and striker as per door opening direction

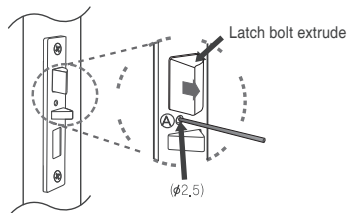
■ Mortise lock installation

Insert mortise body to mortise hole on side door and fix with screws.
Pull out mortise cable to indoor side.

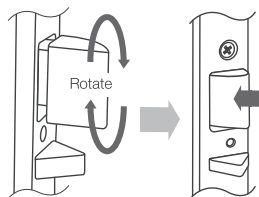


■ How to change the direction of latch bolt

1. Insert pin to hole and push it

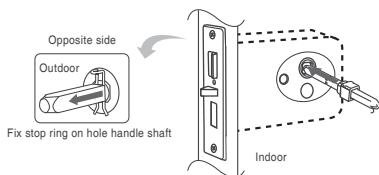


2. Change the direction of latch bolt and press it to be put in the mortise body



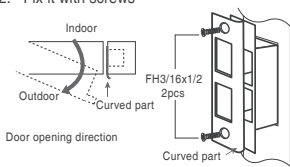
■ How to install handle shaft

1. Insert handle shaft from indoor to outdoor
2. Fix stop ring in the hole on outer part of handle shaft



■ How to install striker

1. Insert striker housing and set the curved part of Striker to direct of door opening
2. Fix it with screws



Operating system of mortise lock [Clutch type]

- ✘ Theory: With pulling down the handle, clutch is operating mechanically.
- ✘ When the door is locked, outdoor handle is not connected to deadbolt. Even though handle is pulling down, deadbolt is remained to Latch bolt and deadbolt sustain lock position and enhance security level.
If the door is unlocked, handle is connected to deadbolt and working together.



Beneficial point

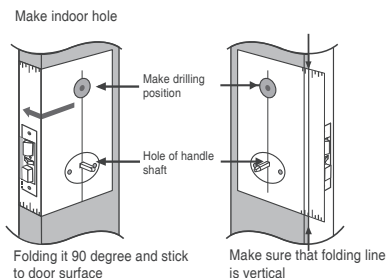
- High security level:** In locked status, outer handle is not connected to deadbolt. (Independent movement of latch bolt and deadbolt)
- Durability:** Ensure long life because deadbolt is not operating by motor system.
- Easy installation:** Direction of latch bolt can be changed after the installation is finished.

How to install-2 (Product)

☑ Check point before install

➔ After complete "How to install-1 (Motise lock)", proceed "How to install-2 (Product)".

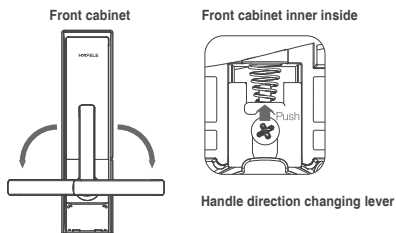
1. Insert handle shaft to "handle shaft hole" of installation template and stick the template to indoor side. Fold the template along to folding line.
2. Fix the exact position of template and mark the drilling position for hole marking. Mark the drilling position on opposite side in the same way.



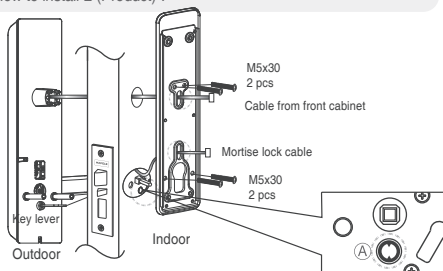
3. Make hole as per specification (Ø32)
4. Set the direction of handle on front cabinet. Pull down the handle to aimed direction until it is fixed with click sound

※ How to reset the direction of handle

Press up the handle direction changing lever which is located inner side of each cabinet. Handle will be turned back to middle position.

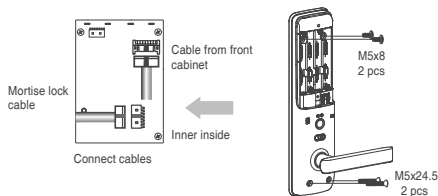


5. Put the cable of front cabinet through the upper hole to indoor. Pull out the cable from front cabinet and mortise lock cable through the hole of back cover. Fix the back cover to the front cabinet using screws.



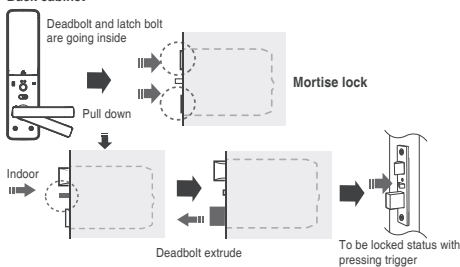
Tip: Insert the key lever to the hole (A) correctly

6. Connect two cables to PCB exactly and fix the back cabinet with screws
- ※ Set the direction of handle of back cabinet



☑ Check proper operation of product

Back cabinet



☑ Pull out the cable from front cabinet and mortise lock cable through the hole of back cover.

☑ Check proper operation of product

- ☑ Insert batteries correctly and do open/close test at indoor
- ※ If you close the door from outdoor as the installation is not perfect, you can not open the door
- ☑ Register secret code as per user manual
- ※ Factory setting ①②③④