

LVN Code[®]

Door Handle Instruction Manual



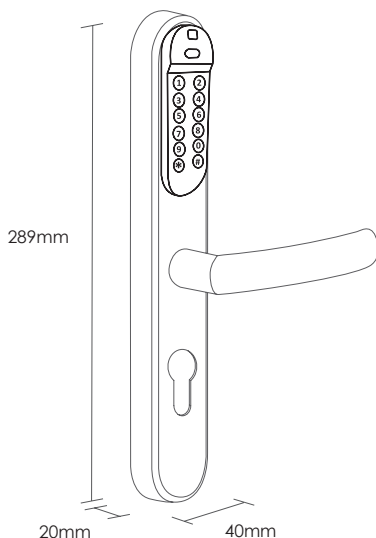
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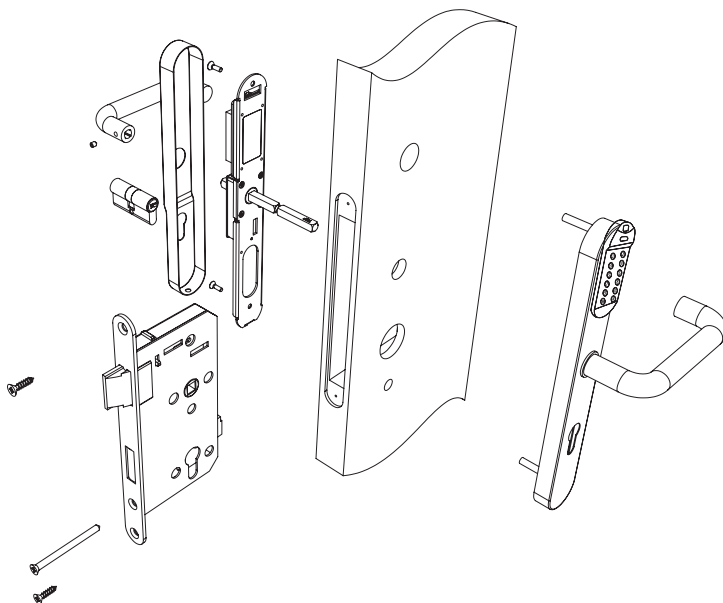
LVN Code®

iTEC
one step forward

Admeasurement



Installation Drawing



LVN Code®



LVN Code

Design and quality at your disposal.

Quality

Latest technology and design to stainless steel. Low consumption static and dynamic.

Simplicity

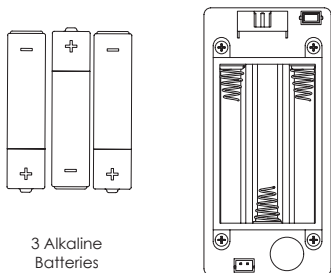
With LVN Code you can configure all your access, through a simple and intuitive management software.

Functional

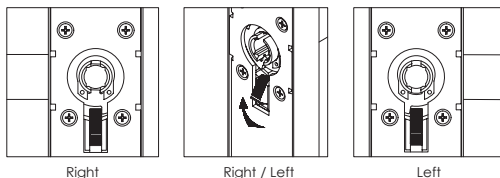
The LVN Code has:

- Touch keypad, faceplate "0~9 # *"
- Keypad backlight, blue color
- Acousto-optic prompt: two color lights
- Unlock with Pincode or Swipe card
- 3pcs 3.6V Li-SoCL2 Battery
- With low power consumption and low-voltage warning
- Prevent consecutive input wrong pincode
- Prevent consecutive swipe wrong card
- Handheld unit or Management card Management
- Titular pincode input (Add 1~4 random numeral in front or behind of correct pincode)

Battery Installation

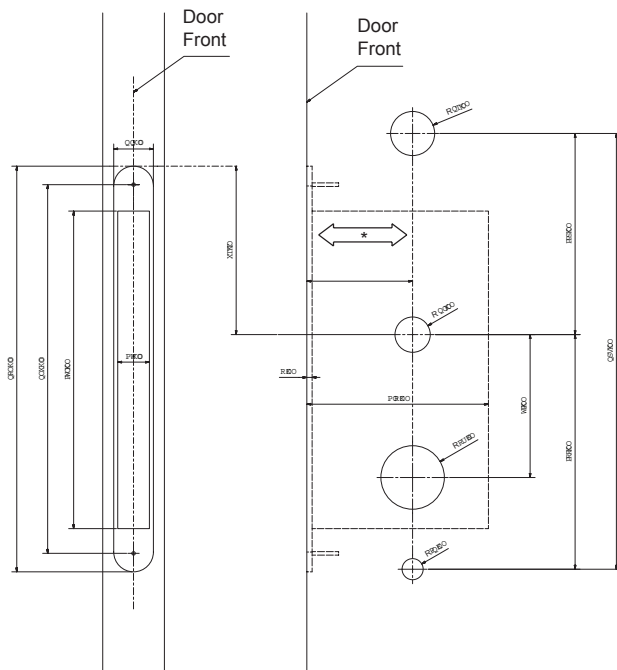


Handle Orientation



Drill the holes in accordance with the drawing

Assembly scheme
for lock application
iC 60x72



*The distance between the center line of the handle and the door should be 60mm

**Handle center Line

Technical Features	
Material	Stainless Steel
Card type	Mifare 1k-4k, NFC Compatible
IP (Ingress Protection)	54
Suitable mortise	European Standard
Emergency open	Mechanical key
Cylinder type	Euro profile cylinder
Power	DC 4.5 (AAA*3)
Battery lifetime	10 months or 30.000 openings
User quantity	With Software ∞ Users (No limit)
Trail records	500
LED	Blue and Red
Low battery alarm	2 long tick before operation (200+ openings after alarm)
Humidity	<98%
Work Temperature	-30°C ~ +65°C
Storage temperature	-30°C ~ +65°C
Static consumption	15µA
Driving consumption	350mA
Hardware clear	Press reset switch about 5 Seconds, release the switch during the tick.
Open time	about 7S
Certifications	CE
Door request	Door thickness 38-90mm above
Cover size	40mm*289mm*20mm
Weight	About 2.8KG
Packing	8pcs/carton; 68*34.5*26; 23.14kgs/carton

Operation

1 Card Management Mode

1.1 Add /Delete Management Card

Using the wrench which enclosed with the products to disassemble the indoor panel cover, then press the rectangular button on the PCB (This button is put on the indoor PCB), then hear the sound "di—" that means entry the management card configuration mode;

Swipe management card, if the lock makes a sound "di—", that means add the management card successfully.

Swipe management card, if the lock makes a sound "di-di-da-", that means add the management card in failure.

Swipe configured management card, if the lock makes a sound "di—di", that means the management card has deleted, and meantime, the user cards which configured by this management card have deleted.

1.2 Add /Delete User Card

Swipe the configured management card on lock, if cylinder makes a sound "di—di—da—da—", please swipe the unregistered user card, then if the cylinder make a sound "di—" that means add the user card successfully, and if the cylinder makes two sounds" di—di—", that means delete the user card successful.

1.3 Add/Delete Pincode

Swipe the configured management card on lock, if cylinder makes a sound "di—di—da—da—", please input 4~6 numbers pincode need to add or need to delete, then press "#" button to finish; then if the cylinder make a sound "di—" that means add pincode successfully, and if the cylinder makes two sounds" di—di—", that means delete the pincode successful.

1.4 Special Operation- User card is lost

If the user card is lost, the only way is deleting the management card. After that, all of user cards will be deleted, which need to reconfigure.

PS: The management card is just used for adding/deleting the user card, which cannot open the lock.

Every lock only with one management card at most, if reconfigure the management card, all of the user card will be deleted.

If the management card is lost, please contact with the manufacturer to get the new initial management card as soon as possible, current management card is encrypted by M1 card.

2 Card Management Mode with Shadow Card

2.1 Add /Delete Management Card

Using the wrench which enclosed with the products to disassemble the indoor panel cover, then press the rectangular button on the PCB (This button is put on the indoor PCB), then hear the sound “di——” that means entry the management card configuration mode;

Swipe management card, if the lock makes a sound “di—”, that means add the management card successfully.

Swipe management card, if the lock makes a sound “di-di-da-”, that means add the management card in failure.

Swipe configured management card, if the lock makes a sound “di—di”, that means the management card has deleted, and meantime, the user cards which configured by this management card have deleted.

Swipe shadow card configured by management card, if the lock makes a sound “di—”, that means the management card has deleted, and meantime, the shadow card become management card.

2.2 Add /Delete User Card

Swipe the configured management card on lock, if cylinder makes a sound “di—di—da—da—”, please swipe the unregistered user card, then if the cylinder make a sound “di—” that means add the user card successfully, and if the cylinder makes two sounds” di—di—”, that means delete the user card successful.

Swipe the configured management card on lock, if cylinder makes a sound “di—di—da—da—”, please swipe the shadow card of registered user card, then if the cylinder make a sound “di—” that means delete the user card successfully, meantime, shadow card become user card.

2.3 Add/Delete Pincode

Swipe the configured management card on lock, if cylinder makes a sound “di—di—da—da—”, please input 4~6 numbers pincode need to add or need to delete, then press “#” button to finish; then if the cylinder make a sound “di—” that means add pincode successfully, and if the cylinder makes two sounds” di—di—”, that means delete the pincode successfully.

2.4 Special Operation- Management card is lost

If the management card is lost, can reconfigure management card or shadow card of management card to delete the management.

PS: The management card is just used for adding/deleting the user card, which cannot open the lock.

Every lock only with one management card at most, if reconfigure the management card, all of the user card will be deleted.

If the management card is lost, please contact with the manufacturer to get the new initial management card as soon as possible, current using management card is M1 encrypted.

2.5 Special Operation- User card is lost

If the user card is lost, the only way is deleting the management card. After that, all of user cards will be deleted, which need to reconfigure.

PS: The management card is just used for adding/deleting the user card, which cannot open the lock. Every lock only with one management card at most, if reconfigure the management card, all of the user card will be deleted.

If the management card is lost, please contact with the manufacturer to get the new initial management card as soon as possible, current using management card is M1 encrypted.

3 Master Pincode Management Mode

3.1 Modify Master Pincode

Initialized pincode of lock is 0000.

After modify the master pincode, lock will change to pincode management mode automatically.

After enter programming mode, pincode set will stay 30s until operate.

Under programming mode, press "*" to quit programming mode, while under normal pincode inputting mode, press "*" to cancel pincode inputted last time.

Wake Up	*	4-6 old pincode	#	0	4-6 old pincode	#	4-6 old pincode	#
S1	S2		S3	S4		S5		

S1: Before modify master pincode, pincode set only show "*" "#", "0", after modify master pincode, pincode set will show all number.

S2: After press "*", pincode set will show all number. Before modify master pincode, input "0000", After modify master pincode, input modified master pincode. After press "#", pincode set show "0" "1" "2"..... "8" "9" "*" "#" and enter into programming mode.

S3: After press "0", pincode set will show all number, enter into modify master pincode mode.

S4: Press "#" after input new pincode, pincode set will show new pincode number and "*" "*".

S5: Repeat pincode must same with S4 step, when finished, lock will be back to programming mode automatically.

3.2 Add Pincode User

Wake Up	*	4-6 old pincode	#	11	001~128	#	4-6 old pincode	#
S1	S2			S6	S7	S8		

S6: Once finished input master pincode, the pincode set will be totally bright, and enter into add user pincode mode.

S7: Input user pincode, once finished pincode set will be totally bright.

Appointed code can not be same with already registered code, each user can only have one code.

S8: Input user pincode, pincode can not be same with already registered pincode, for example, if we already have pincode 1234, then can not appear 1234, 12345, 12346, 123456, once finished, lock will be back to programming mode automatically.

3.3 Add User Card

Wake Up	*	4-6 old pincode	#	12	001~128	#	Swipe user card	#
S1	S2			S9	S10	S11		

S9: Once finished input pincode set totally bright and enter into add user card mode.

S10: Input appointed code, then pincode set only have "*" bright.

Appointed code can not be same with already registered user code, each user only have one code.

S11: After swipe card, "#" button bright, input "#" to confirm, once finished, lock will be back to programming mode automatically.

3.4 Add Pincode and Card User

Wake Up	*	4-6 old pincode	#	13	001~128	#	4-6 old pincode	#
S1	S2			S12	S13	S15		

S12: Once complete input pincode, the pincode set will be bright, and enter into add pincode and card user mode.

S13: Input appointed code, once complete only have "*" button bright. Appointed code can not be same with already registered user code, each user only have one code.

S14: After swipe card, "#" button bright, input "#" to confirm the pincode set will be totally bright.

S15: Input user pincode, pincode can not be same with already registered pincode, for example, if we already have pincode 1234, then can not appear 1234, 12345, 12346, 123456, once finished, lock will be back to programming mode automatically.

3.5 Add Pincode User in Registered Card User

Wake Up	*	4-6 old pincode	#	14	001~128	#	4-6 old pincode	#
S1	S2		S16	S17		S18		

S16: Once complete input pincode, the pincode set will be bright, and enter into add pincode in registered user card mode.

S17: Input appointed code, once complete the pincode set will be totally bright. The appointed code must be already registered user card code in lock, meanwhile this code have no pincode user.

S18: Input user pincode, pincode can not be same with already registered pincode, for example, if we already have pincode 1234, then can not appear 1234, 12345, 12346, 123456, once finished, lock will be back to programming mode automatically.

3.6 Delete User

Wake Up	*	4-6 old pincode	#	2	001~128	#
S1	S2		S19	S20		

S19: Once complete input pincode, the pincode set will be bright, and enter into delete user mode.

S20: Input appointed code, once complete pincode set will be totally bright. After that, lock will be back to programming mode automatically.

3.7 Unlock time Settings

Wake Up	*	4-6 old pincode	#	3	00~99	#
S1	S2		S21	S22		

S21: Once complete input pincode, the pincode set will be bright, and enter into unlock time setting mode.

S22: 1-99S, "00" means burst mode. Once complete, the lock will be back to programming mode automatically.

3.8 Enable to Input Enter Button “#”

Wake Up	*	4-6 old pincode	#	80	0	#
S1	S2		S23		S24	

S23: Once complete input pincode, the pincode set show “0”“1”“*”“#”, enter into enable to input enter button “#” mode. Press “#” button after input pincode.

S24: Once complete, the lock will be back to programming mode automatically.

3.9 Cancel Input Enter Button “#”

Wake Up	*	4-6 old pincode	#	80	1	#
S1	S2		S25		S26	

S25: Once complete input pincode, the pincode set show “0”“1”“*”“#”, enter into cancel input enter button “#”. No need to press “#” button after input pincode.

S26: Once complete, the lock will be back to programming mode automatically. After S1, the pincode set “#” button will not be bright.

3.10 Open Voice Prompt

Wake Up	*	4-6 old pincode	#	81	0	#
S1	S2		S27		S28	

S27: Once complete input pincode, the pincode set show “0”“1”“*”“#”, enter into open voice prompt mode.

S28: Once complete, the lock will be back to programming mode automatically.

3.11 Close Voice Prompt

Wake Up	*	4-6 old pincode	#	81	1	#
S1	S2		S29		S30	

S29: Once complete input pincode, the pincode set show “0”“1”“*”“#”, enter into close voice prompt mode.

S30: Once complete, the lock will be back to programming mode automatically. When swiping card and input pincode, there is no voice prompt.

3.12 Reset Main Pincode

Wake Up	#	12#12	Swipe user card	
			Input user pincode	#
S1	S31	S32	S33	

S31: Once complete input pincode, the pincode set show "1""2""*""#", enter into reset mode.

S32: Once complete input, the pincode set will be totally bright.

S33: Input one group pincode or swipe a user card (if this card has pincode, it must input pincode after swipe card again).

3.13 How to Use

Wake Up	4~6 pincode	#		
	Swipe card		4~6 pincode	#
S1	S34		S35	

S34: Once complete input, the lock will be on state. If the lock is not open after swipe card together with situation like prompt a sound "di-" and pincode set totally bright, this means require to input corresponding pincode to user card.

S35: If user card has set pincode, it require to input pincode when to open the lock.

4 Handset Management Mode

If select Handset management mode, the operation as following shows.

4.1 Set System Time and Change System Code

4.1.1 Set System Time

1. Press "On/Off" for a long time to open the handset, and input eight system code (the default system code 66666666)
2. Select "1.2 Set System Time" in handset menu "1. Handset Setting" to update handset time and date.

4.1.2 Change System Code

Choose "1. Handset Setting", select "1.1 Set Syscode", input the old system code and new system code which is according to user-defined.

PS; new system code must be eight digit pincode, which is the pincode for entire operation system, so it is very important, please remember.

Follow-up setup can not proceed if user do not change system code.

4.2 Modify Lock System Code

Select 2.2 Modify Syscode option, disassemble the indoor panel cover, then press the rectangular button on the PCB (This button is put on the indoor PCB), then hear the sound "di—", communicate handset with lock until the handset prompt "di----di----", meanwhile show Modify System Code Modify OK means modify successfully.

4.3 Set Room Number

Select 2.1 Set room No.", input the room number, and then open the lock back cover, please press the rectangular button, and will hear the sound "di—", please communicate the handset with lock inductive area until it shows "Set Room No. Set ok" which means the operation is successful.

PS: 1.The operator can use the letters or numbers to set the lock room number, but please notice that two locks in one system cannot with the same name.
2. Open the lock back cover, and press the rectangular button which is for updating system code and time automatically to the lock

When operate e-cylinder (RECC810/820, RECC610/620) with handset or key card, the induction area of e-cylinder is located in cylinder outer knob antenna cover part, (RECC810/820 will need to press the outer knob to wake up the e-cylinder(RECC610/620) and e-handle lock(REHD810/820) needn't to wake up, directly put back signal area of handset or card to the cylinder or handle lock induction area. Open the rear cover of door access control, the setting method is same with lock and cylinder.

4.4 Add User

Choose "3.1 Register Card", place the card on the handset inductive area, describe the user name and press "ok". Then it shows "Register Card Ok", which means the operation is successful.

PS: Please keep card on the handset inductive area before press "OK" button, otherwise setup will be failure.

4.5 Add User Pincode

Select 3.4 Register Pincode option, then input 4~6 pincode and press OK button, input user description, press OK to confirm, the screen will show Register OK, which means user setting successfully.

4.6 Set Authorization

Choose "4.1 Set Authorization", input the user name which need to set and press "OK", At the same time, the handset LED will show all of the room numbers in this system, choose the room number which the user need to open, and select "Sure", it shows "Set Authorization Set OK" which means the operation is successful.

PS: Interface will only show pincode lock if input pincode user. Tick corresponding room number means select, while cancel tick means delete.

4.7 Update Authorization

Select "4.2 Update lock" option, communicate the handset with the lock, the LCD will show "Update Lock, the Update Ok" which means the operation is successful, and the user can open the door.

PS: Added and deleted authorization already update to the lock right now.

4.8 Delete User

Select "4.3 Delete User Card" option, input the user card name which need to delete, delete user card in handset. Select "4.2 Update lock" option, communication with the lock which you want to delete this card until it is successful. The user card was deleted from this lock.

PS: All lock listed in the system must update again.

4.9 Event Collect and Query

A: Event Collect

Please select "5.1 Collect event" option, and then communicate handset with locks which need to collect events, the LCD will show "Collect Event, Collect Ok....."

B: Event Query

Event Query: Here query events can via two ways to complete, one is input the user card name to query the card events, while the second way is to input the lock name to query the lock events.

Select 5.2 Query event option, input the user card name, and the LCD will show the user card events Select 5.2 Query event option, input the lock name, and the LCD will show the lock events

Query User: inquire the event information, please choose "5.3 Query user" option and then place the user card on the handset inductive area, can get the card user name.

Query Lock: Inquire the lock information, please choose "5.4 Query lock" and then communicate the handset with lock, the LCD will show the room number and room description information if operation successful.

5 Handset Reader Other Special Operation

5.1 Handset Reader Initialization

Choose the "1.3 Reset Handset" Option, input the factory default code (the factory default code is 12345678 which cannot be changed), after handset initialization setting, all of the lock in this system will be deleted, so please do not make this operation unless it was absolutely essential. Here the data is lock information, card information, event record, authorization

5.2 Change Lock System Code

Select "2.2 Modify Syscode" option, and then communicate the handset with the lock to update the lock system code.

5.3 Lock Initialization

Select "2.4 Reset Lock" option, then input the lock name which needs to be updated, communicate the handset with lock to restore factory settings, after initialization, all of data on the lock will be lost, so please do not make this operation unless it was absolutely essential.

5.4 Change Card System Code

Select "3.2 Modify Syscode", and then communicate the handset with card to update card system code.

PS: After handset code changed, must change all the card in the system.

5.5 Card Initialization

Select "3.3 Reset Card" Initialize card option; then communicate the handset with card to complete card initialization. After initialization, all of the information on the card will be lost.

PS: If the card is in system list, after initialization, system will not delete this card.

6 Other functions

6.1 Passage card

A: Add/Delete Passage card

Using the wrench which enclosed with the products to disassemble the indoor panel cover, then press the rectangular button on the PCB (This button is put on the indoor PCB), then hear the sound "di—" that means entry the card configuration mode; Swipe initial passage card, if the lock makes a sound "di—", that means add the passage card successfully. Swipe initial passage card, if the lock makes a sound "di-di-da-", that means add the passage card in failure.

Swipe configured passage card, if the lock makes a sound "di—di", that means the passage card has been deleted.

B: Passage card operation

Swipe configured passage card, if the lock makes a sound “di—”, meanwhile blue light on then red light on, lock enter into passage mode; swipe again, lock quit the passage mode.

PS: each lock has only one passage card, passage card can't be used to unlock the door, only can change lock mode; After enter into passage mode, swipe user card once, lock will under normally open status; swipe again, lock will under close status.

6.2 Restore lock to factory settings

Using the wrench which enclosed with the products to disassemble the indoor panel cover, then press the rectangular button on the PCB for 5 seconds (This button is put on the indoor PCB), then hear the sound “di—di—di—di—” that means restore to factory settings.

Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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