L100K Smart Lock and the accessories

Outside panel
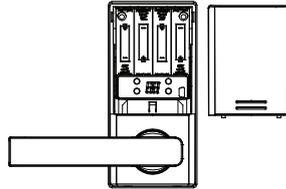
Inside panel and battery cover
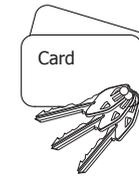
Card

Mifare cards (L100K-MIF) and Emergency keys
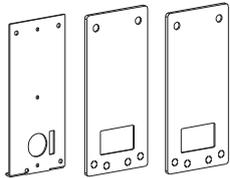
2 Rubber mats and 1 mounting plate
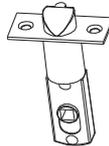
Latch Bolt

Lock Spindle, Screwdriver and fixing Screws
(4 long screws for outside panel mounting,
2 short screws for inside panel mounting,
2 short screws for bolt fixing.)

Adjust Handle Direction

You need to change the handle direction before installation.
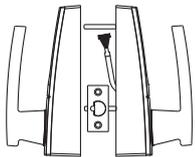
Take out from the package box.
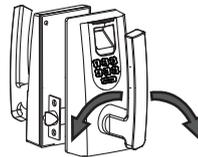
Determine the handle direction that you need.
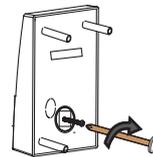
Loosen the screw and put the handle facing the correct direction. Then tighten the screw to fix the location.
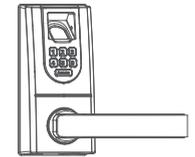
The handles have been properly installed.

Door Thickness

The typical thickness of door are 1 3/8", 1 3/4" and 2 1/4". The L100K Smart Lock can be installed all these doors.
The L100K Smart Lock can fit the door with 30 to 60mm thickness.
For latch bolt lock, there are two square spindles with 2 1/4" inches and 2 3/4" inches.
For dead bolt lock, you can adjust the flat spindle length from 3 3/4" inches to 2 3/4" inches by cutting it.

Choose and Adjust the Latch Bolt Backset Length

You can adjust the backset length as 60mm(2 3/8") or 70mm(2 3/4")

1 Adjust backset length

The Regulator Pin on the left hole

60mm(2 3/8")

The 60mm Screw-post hole

The Regulator Pin on the right hole

70mm(2 3/4")

The 70mm Screw-post hole

Wrong

Right
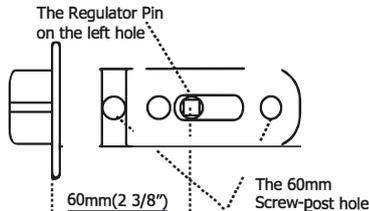
70mm(2 3/4")

1)The backset is a distance from the door edge to the center hole of the door face. The default length is 60mm(2 3/8").
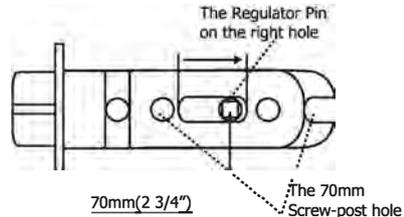
2) Turn the PIN (in 60mm) into the bolt housing. Pull bolt mechanism out of housing and turn the PIN to position 70mm.
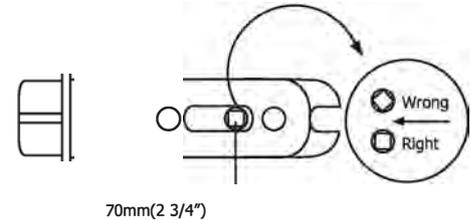
3) The backset is 70mm (2 3/4") long.

Use the Installation Template to Mark and Drill the Holes

You can use the installation template to mark and drill the holes according to the latch bolt backset length 60mmn(2 3/8") or 70mm (2 3/4")

2 Mark Door
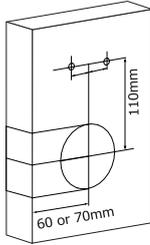
Choose 60mm or 70mm(2 3/8" or 2 3/4") backset
and use installation template to mark the holes on
door face.
(Installation Templates provided)

3 Drill Holes
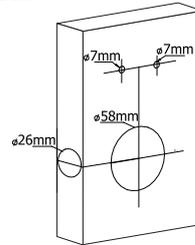
Drill appropriate holes(53mm, 26mm, 2*7mm) as
indicated on installation template.

Install the Latch Bolt

4 Install Latch Bolt
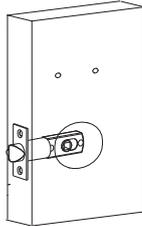
1) Insert latch bolt to the hole and keep it parallel
to door face. Mark outline of reinforcement plate
and remove the latch bolt.
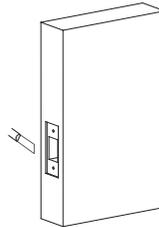
2) Chisel 3mm(1/8") deep until the face
palte is fill with door edge.
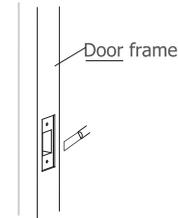
Door frame

3) Mark and mortise jamb for strike location.
Chisel 3mm(1/8") deep until the face
palte is fill with door frame. And chisel
about 12mm(1/2") deep for bolt.

Easy 3 Steps to Test L100K Smart Lock

Step1: Make sure to turn the lock spindle hole in right position.
You need to ensure the inner rotating cuff is properly centered to ensure that the pin will be aligned. The easiest way to do is to use the square bar (Lock Spindle) to turn the inner rotating cuff and check the dimple alignment in horizontal position.

Step2: Install 4 AA batteries and connect the cable between the outside and inner section of the lock.

Step3: Try to unlock L100K by fingerprint.
By factory default setting, the L100K Smart Lock is configured that ANY fingerprint can unlock it. Place a finger on the reader. The L100K will activate, read the fingerprint and unlock.
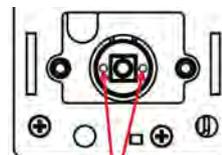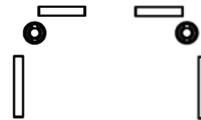
Two dimples must be horizontal

Install L100K
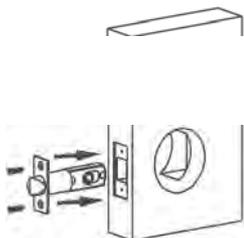
▶ Step 1   ** See Note 1*

Insert latch bolt into the door as shown in diagram. Fasten the screws.

▶ Step 2   ** See Note 2*

Install outside panel with rubber mat on door, and route the wire through the hole over the latch bolt.

▶ Step 3

Install Mounting Plate with Rubber Mat and route wire through left hole. Install four screws on the Mounting Plate to fix the position.
Recommend: DO NOT OVER TIGHTEN the two screws above.

Initialization button

▶ Step 4

Install the lock spindle through the latch bolt and make sure the lock spindle plugs into the outside panel.
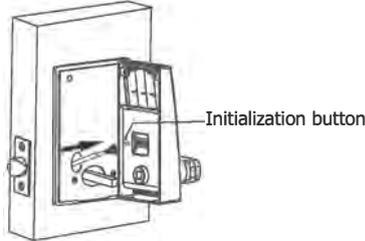
▶ Step 5

Remove the above 2 screws installed on mounting plate. Connect wire from the Outside panel to Inside panel. Install lock spindle into inside panel.
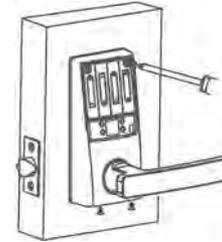
▶ Step 6

Fasten four screws to fix the inside panel. Turn the knob to make sure that you can push the dead bolt.
Install alkaline batteries and battery cover.

Note 1: Make sure the hole dimension is fit for bolt installation (Refer to "Installation Template").

Note 2: Make sure the bottom screw rod get through the holes in latch bolt.

◧ Special Instruction for Dead Bolt Lock L100KD

The dead bolt lock has a special installation instruction. Please contact Anviz by email support@anviz.com.

◧ Get Support From the Manufacturer?

Please feel free to send emails to support@anviz.com to get support.

LED status

Status	LED	Description
1	Blue LED flashes	Activation status.
2	Blue LED fast flashing	Place same finger or swipe same card or input the same password again.
3	Red LED flashes	Delete user status / low batter voltage alarm.
4	Red LED fast flashing	Place same finger or swipe same card or input same password again to delete.
5	Blue and Red LED flashes	Need administrator verify.
6	Red LED lights	Unregistered finger or card or password.

Use Password to Unlock the L100K

Press the 'ANVIZ' key to active the lock. Then input the 6 digit password to unlock.

Use Fingerprint to Unlock the L100K

Place a finger in the center of the reader and hold for one second to active the lock and scan the finger. Please note the optical sensor has limitations, so you need to:
1. Place your finger completely flat on the reader, where the blue light illuminates.
2. The reader cannot read dry fingers; a quick fix is to swipe your finger across your forehead to get some natural oil on the print so the sensor can get a good picture.
3. Thin fingers can be an issue in some occasions, so using the thumb is recommended.
4. Gradual erosion of fingerprints due to age or manual labor is also an issue, so using the thumb is recommended.
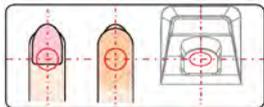
Place finger in the center of the sensor.
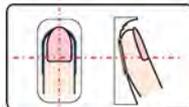
Place finger flat on the sensor surface.

Quick Operation Mode

The L100K Smart Lock has two operational modes, Quick Operation mode and Normal Operation mode.
The Quick Operation mode is usually applied for home usage. No administrator is needed. You can register or delete users very quickly and easily in this mode.

Add an User Under the Quick Operation Mode
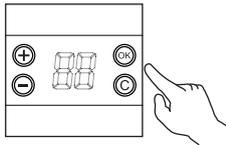
① ➤ ② ➤ ③ ➤ ④

Remove the battery box cover. Press any key to activate the lock.
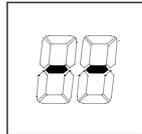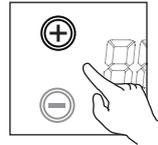
The Nixie tube shows "**--**".

Press ⊕ key.
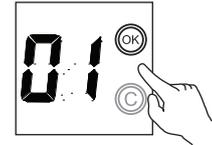
The Nixie tube will display normal user **ID: 01**. Please press ⊕ and ⊖ key to select ID and press OK to enter the registration status.
(**User ID range is 01-95**)

⑤ ➤ ⑥

Place one finger twice on the fingerprint sensor or swipe card on the card area twice or input the password on keyboard area twice.

Next **ID** number will be displayed after successful registration.
Press OK to continue register user or press C key to exit register status.

* Note:
   One ID only can register one fingerprint or one card or one password.

Please follow these steps to register a new user:

	Action	LED Display	Explanation
Step 1	Press any key	"--"	
Step 2	Press "+" key	"01"	"01" is the user's ID number. User ID range is 01 to 95. Press "+" or "-" key to select the ID and press "ok" key to confirm your selection.
Step 3	Place the finger twice or input the password (6 Digits) twice or swipe the card twice.	"02"	The next ID number will be displayed after successful registration. Press the "ok" key to register the next user or press "c" key to exit register status.

▪️ Delete an User Under the Quick Operation Mode
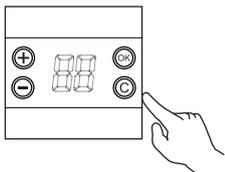
① Remove the battery box cover. Press any key to activate the lock.
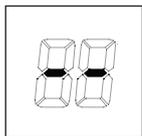
② The Nixie tube shows "**--**".
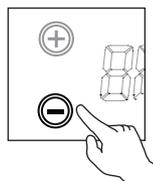
③ Press ⊖ key.

④ When the Nixie tube flashes, please press ⊕ and ⊖ key to select "**FP**", "**AL**" or "**ID**" number and press ⓞⓚ.

If "**FP**" is selected, Press ⊙ key, then place the registered finger twice on the sensor or input the password twice or swipe card twice to delete the fingerprint or password or card. Press ⊙ key to continue delete other users or press © key to exit delete status.

If "**AL**" is selected, Press ⊙ key after six beeps form the lock all of the normal users will be deleted. The lock will auto logout deletion status.

If "**ID**" is selected, press ⊙ to delete the appointed user. Press © key to exit delete status or press ⊕ and ⊖ key to continue the deletion of appointed ID.

Please follow these steps to delete an user:

Action	LED Display	Explanation
Step 1 Press any key		
Step 2 Press "-" key	"FP" "AL" "01"	"FP" means delete the user's Fingerprint or Card or Password. "AL" means delete ALL users. "01"means delete the ID user. Press "+" or "-" key to select and press "ok" key to confirm your selection.
Step 3		If "FP" is selected, place the registered finger twice on the sensor or input the password twice or swipe card twice to delete the fingerprint or password or card. Press "ok" key to continue deleting other users information or press "c" key to exit delete status. If "AL" is selected, all of the registered users will be deleted and the L100K smart lock will log out deletion status. If "ID" is selected, the registered user will be deleted. Press "c" key to exit delete status or press "+" and "-" key to continue deleting other the user account.

Normal Operation Mode

The L100K Smart Lock has two operational modes, Quick Operation mode and Normal Operation mode.
The Normal Operation mode is usually applied for business usage. Please first set up at least one administrator. Further addition or deletion of users can be done with the administrator's permission. You can have up to four Administrators.

Register the First Administrator Under the Normal Operation Mode
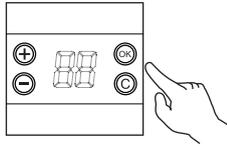
① Remove the battery box cover. Press any key to activate the lock.
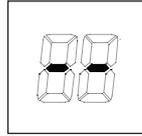
② The Nixie tube shows "--".
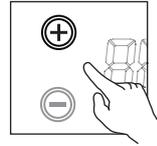
③ Hold ⊕ key for **3** secs.
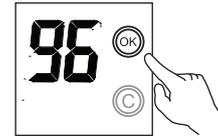
④ When it shows admin ID: 96, press ⊕ or ⊖ to select ID then OK to confirm.
(range : 96-99)

⑤ Place one Admin finger twice on the fingerprint sensor or swipe card on the card area twice or input the password twice.

⑥ Next **ID** number will be displayed after successful registration.
Press OK to continue register user or press Ⓒ key to exit register status.

* Note:
   One ID only can register one fingerprint or one card or one password.

-12-

Please follow these steps to register the first administrator:

	Action	LED Display	Explanation
Step 1	Press any key	"--"	
Step 2	Press "+" key and hold for 3 secs.	"96"	"96" is the administrator's ID number. The administrator ID range is 96 to 99. Press "+" or "-" key to select the ID and press "ok" key to confirm your selection.
Step 3	Place the finger twice or input the password (6 Digits) twice or swipe the card twice.	"97"	The next administrator's ID number will be displayed after successful registration. Press "ok" key to register the next administrator or press "c" key to exit register status.

Register the Other Administrators Under the Normal Operation Mode
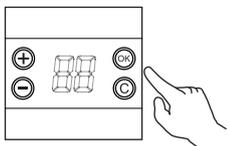
① Remove the battery box cover. Press any key to activate the lock.
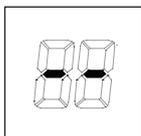
② The Nixie tube shows "**--**".
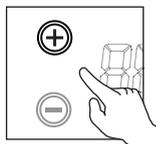
③ Hold ⊕ key for **3** secs.
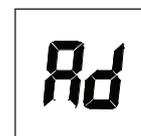
④ Then it shows "**Ad**".

⑤ Please verify Admin FP or swipe Admin card or input Admin password to enter the registration status.

⑥ It shows "**ID**" number, press ⊕ or ⊖ key to select **ID** then press ⊛ to confirm.

⑦ Place one user finger twice on the fingerprint sensor or swipe card on the card area twice or input password on the keyboard area twice.
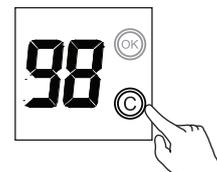
⑧ Next **ID** number will be displayed after successful registration. Press ⊛ to continue register user or Press ©key to exit registration status.

Please follow these steps to register the other administer:

	Action	LED Display	Explanation
Step 1	Press any key	"--"	
Step 2	Press "+" key and hold for 3 secs.	"Ad"	"Ad" means you are going to add a new administrator.
Step 3	Place the admin's finger or input the password (6 Digits) or swipe the card.	"97"	The other administrator ID range is 97 to 99. Press "+" or "-" key to select the ID and press "ok" key to confirm your selection.
Step 4	Place the finger twice or input the password (6 Digits) twice or swipe the card twice.	"98"	The next administrator's ID number will be displayed after successful registration. Press "ok" key to register the next administrator or press "c" key to exit register status.

◨ Delete an Administrator Under the Normal Operation Mode
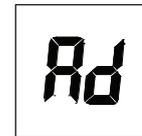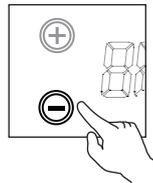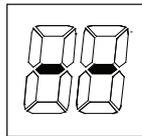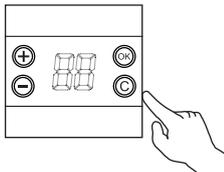
① Remove the battery box cover. Press any key to activate the lock.

② The Nixie tube shows "--".

③ Hold ⊖ key for **3** sec.

④ Then it shows "**Ad**".

⑤ | ⑥ | ⑦

Please verify Admin FP or swipe Admin card or input Admin password to enter the registration status.
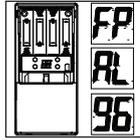
When the Nixie tube flashes please, press ⊕ and ⊖ key to select "**FP**", "**AL**" or "**ID**" number. Then press ⓞₖ.
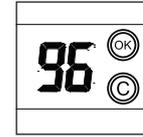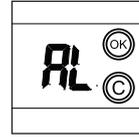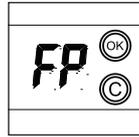
If "**FP**" is selected, Press ⓞₖ key, then place the appointed administrator finger twice on the sensor or input the password twice or swipe card twice to delete the fingerprint or password or card. Press ⓞₖ key to continue delete other administrator or press Ⓒ key to exit delete status.

If "**AL**" is selected, Press ⓞₖ key after six beeps form the lock all of the administrators will be deleted. The lock will auto logout deletion status.

If "**ID**" is selected, press ⓞₖ to delete the appointed administrator. Press Ⓒ key to exit delete status or press ⊕ and ⊖ key to continue the deletion of appointed ID.

Please follow these steps to delete an administrator:

	Action	LED Display	Explanation
Step 1	Press any key	"--"	
Step 2	Press "-" key and hold for 3 secs.	"Ad"	
Step 3	Place the admin's finger or input the password (6 Digits) or swap the card .	"FP" "AL" "96"	"FP" means delete the admin's Fingerprint. "AL" means ALL admins. "96" is the admin's ID number. Press "+" or "-" key to select and press "ok" key to confirm your selection.
Step 4	If "FP" is selected, place the registered admin's finger twice on the sensor or input the password twice or swipe card twice to delete the fingerprint or password or card. Press "ok" key to continue delete other users information or press "c" key to exit delete status. If "AL" is selected, all of the admins will be deleted. If "ID" is selected, the admin will be deleted. Press "c" key to exit delete status or press "+" and "-" key to continue delete other the user account.		

Add an User Under the Normal Operation Mode
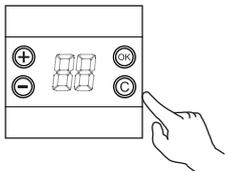
①

Remove the battery box cover. Press any key to activate the lock.

②
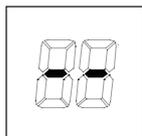
The Nixie tube shows "**--**".
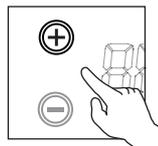
③

Pressing ⊕ key.
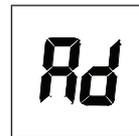
④

Then it shows "**Ad**".
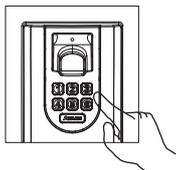
⑤

Please verify Admin FP or swipe Admin card or input Admin password to enter the registration status.
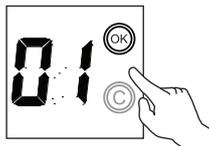
⑥

The Nixie tube will display normal user **ID: 01**. Please press ⊕ and ⊖ key to select and press OK to enter the registration status.
(**User ID range: 01-95**)
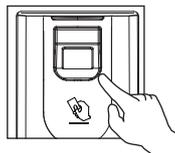
⑦

Place one finger twice on the fingerprint sensor or swipe card on the card area twice or input password on keyboard area twice.

⑧

Next **ID** number will be displayed after successful registration.
Press OK to continue register user or press C key to exit exit register status.

Please follow these steps to register a new user:

	Action	LED Display	Explanation
Step 1	Press any key	"--"	
Step 2	Press "+" key	"Ad"	"Ad" means you are going to add a new user.
Step 3	Place the admin's finger or input the password (6 Digits) or swipe the card.	"01"	"01" is the normal user's ID number. The normal user's ID range is 01 to 95. Press "+" or "-" key to select the ID and press "ok" key to confirm your selection.
Step 4	Place the user's finger twice or input the password (6 Digits) twice or swipe the card twice.	"02"	The next normal user's ID number will be displayed after successful registration. Press "ok" key to register the next normal user or press "c" key to exit register status.

■ Delete an User Under the Normal Operation Mode
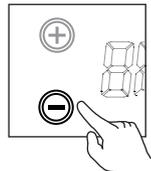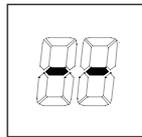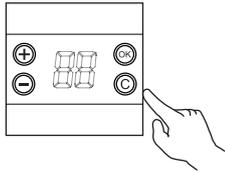
① Remove the battery box cover. Press any key to activate the lock.

② The Nixie tube shows "--".

③ Press ⊖ key.

④ Then it shows "Ad".

Please verify Admin FP or swipe Admin card or input Admin password to enter the registration status.

When the Nixie tube flashes, please press ⊕ and ⊖ key to select "FP", "AL" or "ID" number and press ⊚.

If "**FP**" is selected, Press ⊚ key, then place the registered finger twice on the sensor or input the password twice or swipe card twice to delete the fingerprint or password or card. Press ⊚ key to continue delete other users or press Ⓒ key to exit delete status.

If "**AL**" is selected, Press ⊚ key after six beeps form the lock all of the normal users will be deleted. The lock will auto logout deletion status.

If "**ID**" is selected, press ⊚ to delete the appointed user. Press Ⓒ key to exit delete status or press ⊕ and ⊖ key to continue select ID

Please follow these steps to delete a normal user:

Action	LED Display	Explanation
Step 1 Press any key	--"	
Step 2 Press "-" key	"Ad"	
Step 3 Place the admin's finger or input the password (6 Digits) or swipe the card.	"FP" "AL" "01"	"FP" means delete the Fingerprint. "AL" means delete ALL users. "01" means delete the ID user. Press "+" or "-" key to select and press "ok" key to confirm your selection.
Step 4		If "FP" is selected, place the registered finger twice on the sensor or input the password twice or swipe card twice to delete the fingerprint or password or card. Press "ok" key to continue delete other users information or press "c" key to exit delete status. If "AL" is selected, all of the registered users will be deleted and the L100K smart lock will log out deletion status. If "ID" is selected, the registered user will be deleted. Press "c" key to exit delete status or press "+" and "-" key to continue delete other the user account.

Other Operations

◤ Enable or Disable the Always Open Function

The "Always Open" function will let anyone come in without having to scan his/her finger or input a password (6 Digits) or swipe a card. This function is useful when you use it in the office as a meeting room. You can turn on or off the "Always Open" function at any time.
To enable the Always Open function, scan a registered finger print and press "ANVIZ" key in front for 2 seconds.
To disable the Always Open function, press "ANVIZ" key in front for 2 seconds.

◤ How to Unlock the Door from Outside if the Battery Runs Out

You will have two options to unlock the door:
Option 1: Use a mechanical key to unlock. The key hole is on the bottom of the L100K Smart Lock.
Option 2: There is a Emergency Power Terminal on the bottom of the L100K Smart Lock. Contact a 9V battery to the Emergency Power Terminal, and press the restart key beside the terminal. Then scan the registered fingerprint to unlock the door.

◤ Reset the L100K Smart Lock

When you want to delete all the registered administrators and users and let the L100K Smart Lock back to the factory default settings, you can reset the lock.
Step1: Remove the inner section of the lock from door.
Remove the battery cover and batteries from the inner portion of the lock. Locate and remove the two screws that are under the two outermost AA batteries. Next, locate and remove the two screws from the bottom of the case housing.
Step2: Power on and active the lock.
Keep the cable connecting to the portion of the lock mounted on the outside of the door. Install the 4 batteries. Press any key to active the lock. LED displays "--".
Step3: Press and hold the reset button.
There is a small reset button next to the connector on the back of the inner portion of the lock. This hole is labeled "Init". Use a slender object, such as a bent paperclip, to push the reset button through the hole. Press and hold the reset button for 5 seconds until the LED displays "CL". The L100K Series Smart Lock will be reset.

Initialization Button
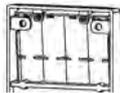
Step4: Reassemble the lock and enroll users.

Working with Management Software

Install the Management Software on Computer

Put the CD in the managemen computer. The installation program will run automatically.
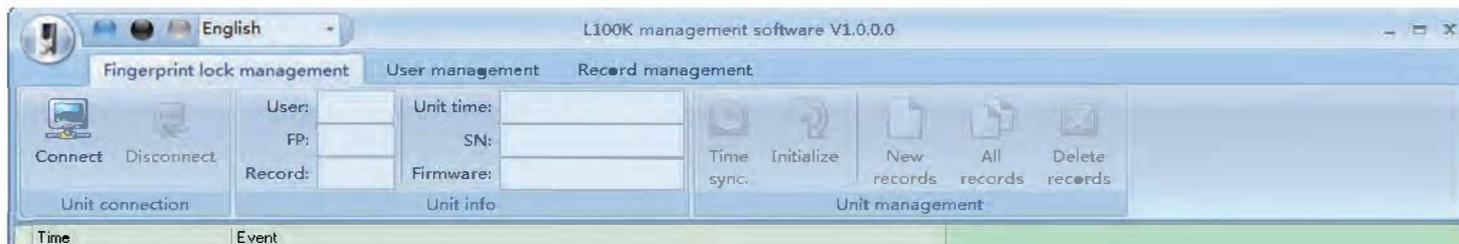
Enable Communication between L100K or L100K-MIF and the Management Software

How can we communicate beetween L100K or L100K-MIF and the Management Software?
Steps as follow:

Step1: Turn on management software L100K.

Step2: Remove the battery box cover, press any key to activate the lock. Connect with PC by USB wire, the Nixie tube shows "CO"(Under the Normal Operation Mode, please verify Admin FP or swipe card or input Admin password firstly to communicate with software).
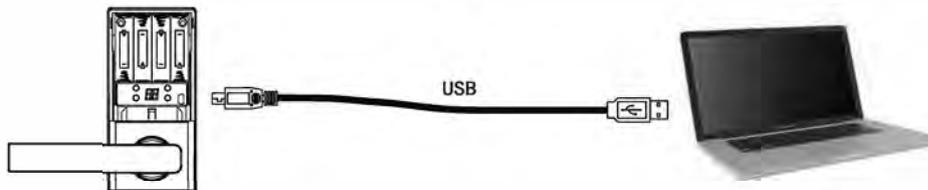
Step3: In 'Fingerprint lock management' click [Connect] menu until 'Event' shows 'Connection to the unit successful!'. Then you can operate other menus to communicate with lock.

The Management Software L100K Features

* Fingerprint lock management: Connect or disconnect with Lock. Synchronization time with PC. Initialize Lock back to the factory default settings. Read or delete records from lock. Lock's informations such as quantity of User, Fingerprint, Record, SN and Firmware of Lock are shown in home page.
* User management: Download or upload or delete user enrolled in lock.
* Record management: Search and export records which download in PC between Starting date and Ending date.