SMART LOCK MANUAL
ADL 6920

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BACK   FRONT

Contents

1. Product Introduction

1.1 Description

The ADL-6920 lock is the latest generation of smart locks of our company which is able to be unlocked by fingerprint, password app and card. There are the single unlocking mode and double unlocking mode. Besides, it has many functions like voice prompting and temporary password setting that are suitable and convenient for the home and residential houses to use.

1.2 Technical Specification

- Power Supply: 7.4V (Lithium battery)
- Emergency power supply: 5V (Micro USB)
- Dynamic Current: <2A (Mean value)
- Network: Standard Wi-Fi
- Remote control: 5-10m Range
- Unlock modes: Password, MF Card, Emergency key, Fingerprint and APP. Code length: 6 – 10
- Finger Print/ card/ password Volume: 300 (100 for fingerprint, unlimited for others)
- Card sensing distance: 0-40mm
- Operating temperature: -10-60 °C
- Operating Humidity: 45-90%RH
- Automatic lock time: 1-1800s adjustable

2. Lock Operation Settings
2.1 Menu Settings

2.1.1. Primary Main Menus:

1、Admin Setting	2、User Setting	3、System Setting	4、Data & Records
• 1、Add Admin	• 1、Add User	• 1、Set Date Time	• 1、Unlock Records
• 2、Modify Admin	• 2、Modify User	• 2、Unlock Mode	• 2、Storage Info.
• 3、Delete Admin	• 3、Delete User	• 3、Passage Mode	
• 4、Factory Reset	• 4.ManageWireless	• 4、Language&Vol	

1、Add User	2、Modif User	3、Delete User	4、ManageWireiess
		• 1、Delete by ID	• 1、Add WIFI
		• 2、Delete by type	• 2、Del WIFI
		• 3、Delete all	• 3、Add Remote
			• 4、Del Remote

Please wifi mode			
• 1、WIFI Mode			
• 2、AP Mode			

1、Set Date Time	2、Unlock Mode	3、Passage Mode	4、Language&Vol
	• 1、Single Mode	• 1、Lockback 【4S】	• 1、Chinese
	• 2、Doubie Mode	• 2、DelyClos 【on】	• 2、English
		• 3、PickAlarm 【On】	• 3、Volume Low
		• 4、Tag Open 【off】	• 4、Volune High

		1、 Unlock Records	2、 Storage Info
		• 1、 Quick Query • 2、 Query by Time	• 1、 Admin`s Info • 2、 User`s Info

2.2 Features Description-

(A) Sound-Light Prompts on Door Lock

One Long Beep: Operation Success

One Short Beep: Prompt for Keypress

Two Short Beeps: Operation Instructions

Three Short Beeps: Operation Failure

Siren: Illegal Operation

(B) Others

- Password Mode: wrong password entered consecutively more than 5 times, alarm triggered; if re-entered before all-clear, it will keep on alarm status;

- Enter correct verification code to release alarm or wait for 180s to be disarmed automatically, and the number of alarm will be recounted.

- Fingerprint Mode: wrong fingerprint entered consecutively more than 10 times, alarm triggered; if re-entered before all-clear, it will keep on alarm status.

- Enter correct verification code to release alarm or wait for 180s to be disarmed automatically, and the number of alarm will be recounted.

- Card Mode: wrong card swiped consecutively more than 10 times, alarm triggered; if re-swiped before all-clear, it will keep on alarm status;

- Enter correct verification code to release alarm or wait for 180s to be disarmed automatically, and the number of alarm will be recounted.

- Anti-Peeping Features: add in irrelevant codes before and after the password, i.e. "XXX password XXX", and press "#" for validation. (Note: the password (at least 6 bits) must be included in the codes entered together;

- System will automatically enter low-power mode if no operation more than 5 seconds ;

- If voltage is less than 6.8V, the system will automatically alert 'low power, please replace the batteries' when unlocked each time. Even so, you can still unlock the door around 200 times after the first alarm. However, please make sure to replace new batteries before the number of times have actually run out.

(C) Operator Number Settings

Total 9 administrators with number range from 001 to 009, whether fingerprint, password or card is permitted.

Total 291 common users with number range from 010 to 300, whether fingerprint, password or card is permitted.

(D) Automatic System Check

The system will start self-check each time the machine is powered.

Contents of Self-Check: Storage√→Touch-Screen Password√→Fingerprint and Card√→System Normal !

Storage√→ Touch √→FP and Card √→ Normal !

It will shutdown 5s after self-check completed. The green LOG light stays on every time you wake up the machine, and the red LOG lamp stays on for any wrong operation

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2.3 Detailed Operation Description

2.3.1. Factory Settings

When no administrator is added, you can first enter " 8 8 8" and then press key "#" for validation to enter the "Factory Settings" menu.

1. Sensor [0] [0] Sensor 1; [1] Sensor 2; [2] Sensor Off
2. Direction [<-] [<-] Left Open; [->] Right Open
3. Motor Torque [Mid] [low] Low Torque; [Mid] Medium Torque; [Hi] High Torque
4. Invert Time [650] [100 x 900]/ms

Factory setting parameters must be combined with the lock and door structure, for abnormal operation may be caused by any incorrect settings.

1.(This feature is disabled) Infra-Red Mode:

1. Infra-Red Mode [1]. Infrared Sensor 1 On

2. Infra-Red Mode [2]. Infrared Sensor 2 On

3. Infra-Red Mode[off]. Infrared Sensor Off

Change settings by numeric key "1" (operations can be switched recurrently, similarly hereinafter), and return to the main interface after saving by "Enter" key;

Note: where the infrared mode is "Off", you can only lock up the machine manually.

2. Direction:

1. Left Open

2. Right Open

Set up "Door Open" Mode by numeric key "2", and return to the main interface after saving by "Enter" key;

3. Motor Torque:

1. Low Torque

2. Mid Torque

3. High Torque

Set up "Motor Torque" by numeric key "2", and return to the main interface after saving by "Enter" key;

Note: a properly designed torque is recommended to the extent of normal lock state.

4. Invert Time (Latch Bolt):

Invert time for latch bolt (ms) (among 100 to 900), which will change in 50ms every time it is pressed.

Set up reversing time for latch bolt by numeric key "5" and "8", i.e. press "5" to increase up until 900ms; press"8" to decrease down until 100ms, and then return to the main interface after saving by "Enter" key;

Note: press "*" during operation, you will return to the previous factory menu, until the setup interface is fully exited;

Once any administrator is added, press "8 8 8" and the factory setting features will become invalid.

2.3.2. Aging Mode:

Press "9 9 9" to enter aging mode, and "number of tests: _

test time: _ s" will be displayed on the interface.

Note: one test refers to one lock or one unlock; test time refers to the running time of the machine;

Once any administrator is added, press "9 9 9" and the factory setting features will become invalid.

Press "*" to exit aging mode.

2.3.3. Unlock

Enter authorized administrators or users to unlock,

Voice prompt, "Door Open". (Unlocked）

You can also complete this step by key "Unlock" on the inside of the door.

Note: the initial password is 123456. Unlock is not allowed by any password after initialization completed.

Once any administrator is added, the initial password will become invalid.

Pseudo passwords can be added on before and after the correct ones, namely, as long as successive correct passwords entered are included in the numbers therein, you can unlock the door.

2.3.4. Lock

lose the door by "One Key Lock" on the touchpad;

Voice prompt, "Door Close" (Locked)

 Note: you can also complete it by the key "Lock" on the inside of the door, otherwise, only the bolt will be closed.

2.3.5. Initialization Operation

Approach 1: quick initialization by key "Set"

- Press key "Set" for 6S until you hear a short beep, "initializing" will be displayed on the system. Initializing Please   wait...
- After completed, once you hear the voice prompt, "initialized successfully", all information will be cleared up;
- After initialization, you can use any fingerprint, card, password (123456) to unlock. Initialize OK! Approach 2: operate in the "Setup Menu"
- Enter the main "Setup Menu" by keys "*"+"#" after administrator authentication has been verified;
- Press numeric key "1" and select "Administrator Settings", you will get the following main interface: 1. Add Admin 2. Modify Admin 3. Delete Admiin 4. Factory Reset
- Press numeric key "4" and select "Factory Reset ", and once you hear a long beep after pressing key "#" for validation, the system will start initializing.

Note: the system time will remain unchanged after initialization, nonetheless, all user information will be cleared up completely.

2.3.6. Administrator Settings

Total 9 administrators with number range from 001 to 009 allowing for any of fingerprint, password or card.

Administrators can be added as per the following 2 approaches:

Approach 1: enter "Setup Menu" by key "Set";

Short press "Set" until you hear voice prompt, "Please enter administrator information"; (following operations are the same as approach 2)

Approach 2: enter the "Setup Menu" by keys "*"+"#";

- Press keys "*"+"#" until you hear voice prompt, "Please enter administrator information" ;   ...
- After administrator validated successfully, you will enter the main system interface
  Main System Interface 1. Admin Setting 2. User Setting 3. System Setting 4. Records
- Select numeric key "1" for "Administrator Settings"
    1. Add Adminr 2. Modify Admin 3. Delete Admin 4.Factory Reset

Note: where no administrator is entered yet, your original password is "123456", and only by which can you enter the main system interface.

(A) Add Admin

- Enter number "1" on the "Administrator Setup" Interface;
- Then, enter any one administrator number from 001 to 009, or press "Enter" key for default numbers;
- Enter administrator or user information (Fingerprint, Password or Card);

Note: the above-mentioned operation can be done recurrently. However, if no operation for 10s, the system setup will exit directly, or return to the previous menu by "*" until exited; if operation failure, you need to enter a user number, while, on which interface, password is not allowed to be input (entry password must be more than 6 bits).

(B) Modify Admin

- You can modify the administrator information by number "2"on the "Administrator Settings " interface and "Please enter the modified number" will be displayed
- Enter the administrator number to be modified (001 to 009)
- Enter new user information

Note: once the administrator information has been modified, the original one will be cleared up, however, the administrator in service currently are not allowed to be modified.

(C)Delete Admin

- Enter number "3" on the "Administrator Settings" interface and, "Please input the number to be deleted" will be displayed
- The administrator number (001 to 009) to be deleted
- "Deleted successfully" will be displayed.

Note: administrators in service currently are not allowed to be deleted.

2.3.7. User Settings

(A)Add User

Same as administrator

(B)Modify User

Same as administrator

(C)Delete User

Enter key '3' on the "Common User Settings" interface,

Interface: 1. Delete by ID 2. Delete by Types 3. Delete All

(D)Delete by ID

Same as administrator.

(E)Delete by Types

Enter key '2' on this interface,

Interface: 1. Delete All Fingerprints 2. Delete All Cards 3.Delete All Passwords

Delete all Fingerprints

Press key "1" for fingerprint deletion

Delete all cards

Press key "2" for card deletion

Delete all passwords:

Press key "3" for password deletion

(F)Delete all

Enter key '3' on the "Common User Settings" interface.

Interface: Delete all common users

(G)Manage Wireless

Enter key '4' on the "Common User Settings" interface,

Interface: 1. Add WIFI 2. Del WIFI 3. Add Remote 4. Del Remote

(H) Add WIF (wireless module required)

Enter key '1' on this interface,

Interface: 1. WIFI Mode, 2. Hotspot Mode**;**

Press key '1' to add mobile users under WIFI mode; for details, please refer to "Article 14 WI-FI operating instructions";

Press key '2 ' to add mobile users with the hotspot from the module; for details, please refer to "Article 14 WI-FI operating instructions";

(I) Del WIFI

All mobile users can be deleted on this interface by key "2";

(J)Add Remote (remote control module required)

Enter key '3' on this interface, press any key on the remote control aiming at the smart lock, and then you can add remotely controlled users.

Voice prompt, "Operated successfully".

Del Remote(remote control module required)

All remotely controlled users can be deleted on this interface by key "4" ;

2.3.8. System Setting

Enter key '3' on the main interface of the system, and

1. Set Date Time 2. Unlock Mode 3.Passage Mode 4. Language &Vol

(A) Set Date Time

Time and date can be set up on this interface by key '1', and "Set Datetime" will be displayed

Press numeric keys directly to enter current time, and finally press key '# for validation;

(B) Unlock Mode

Enter key '2' on this interface,Interface: 1.Single Mode√ 2. Double Mode Single Unlock:

Select number "1" for Single Mode

Combination Unlock

Select number "2" for Double Mode

Note: combination unlock refers to, for all common users, (administrators excluded), the door will not be unlocked until two common users have been verified.

(C)Passage Mode

Enter '3' on this interface,

Interface: 1. Lockback [4S] 2. DelayClos [Off] 3. PickAlarm [Off] 4. Tag Open [On]

Select key '1' to adjust back to lock time in turn from 2S to 9S;

Select key '2' to turn on "Lock Delay ". You can select delay lock time by key '2 ' on this interface;

On/off: you can by key '2' to select: off, 5S, 10S, 15S, 20S, 25S and 30S in turn;

Select key '3' to turn on "Pick-Proof Switch". Where the "Pick-Proof Switch" is released, "system locked" will be shown on the interface followed by a siren which will last for 10 times, and then the machine will go to sleep. When re-operated as above, the siren will ring 10 times again likewise until the "Pick-Proof Switch" is held down. You can turn on and of the "Pick-Proof Switch" in order;

Select key '4' to turn on or off card unlock. When someone try to open the door by a card or enter a card user information while 'card unlock' is off,

the system firstly will beeps 2 times short, and then 'card unlock forbidden' will be shown on the interface;

Note: when the system is under factory settings, except that the "Back to Lock" time remains unchanged, the interface settings for all 3 systems keep the following defaults: 2. Delay Lock [Off] 3. Pick-Proof Switch [Off] 4. Card Unlock [On]

(D) Language&Volume

Enter key '4' on this interface,

Interface: 1. Chinese√ (Current) 2. English   3. Volume Low 4. Volume High

Chinese Language Mode:

Select number "1" for Chinese mode

English Language Mode:

Select number "2" for Chinese mode

Low Volume:

Select number "3" to set the prompt Voice as low Volume

High Volume:

Select number "4" to set the prompt Voice as high Volume

2.8.9. Data & records

Enter key '4' on the main interface of the system, and 1 Unlock Records 2 Storage Info

(A) Unlock Records

Select "1" on the interface for door open records query.

"1. Quick Qusery

2 Quick by Time" will be displayed

Quick Query

When number key "1" on "Door Open Records Query" interface is selected, you can scroll up and down pages by "5" and "8"

Quick by Time:

When number key "2" on "Door Open Records Query" interface is selected, you can scroll up and down pages by "5" and "8"

And "Please input time" will be displayed

MM DD, 20

Input time (Correct) for query.

(B)Storage Info

Select "2" on the interface, and "1. Admin`s Info 2. User`s Info" will be displayed

Admin`s Info

Fingerprint: Card 001: 001

FP:001 Card:001

Password: 001

PW: 001

Total Numbers Used: 003

Total: 003

Remaining Times: 006

Remaining: 006

User`s Info

Fingerprint: Card 000: 000

FP: 001 Card:001

Password: 000

PW: 001

Total Numbers Used: 000

Total: 003

Remaining Times: 291

Remaining: 288

2.3.10. Low Battery Indicator

Where battery voltage is detected less than 6.8V for 10 times in succession when unlocked, you will get prompt, "Batteries' running out, please replace" each time as you try to open the door.

Note: after the first low voltage alarm, the door lock can still be operated around 200 times, however, please replace the batteries in time.

2.3.11. External Power Source

After the internal batteries are exhausted, you can use a 5V USB power supply with external port to open the door on an ad hoc basis

Note: external power supply to the smart lock is for charge only.

The battery can be removed and charged separately by a 5V charger.

2.3.12. Mute Feature (used only when key '# is not occupied as doorbell button)

Press key "#" to turn on temporary mute, and the machine will turn off voice temporarily one time depending on whether verification is successful or not.

"Mute Mode"   Please enter password!   Enter   Password!" will be displayed.

Then, you can enter a password, fingerprint, or swipe a card for verification.

2.3.13. Doorbell Feature

Press the doorbell button on the touchpad, and the rear panel will sound the doorbell to remind the user of someone outside.

3. Lock WIFI Instructions

3.1 Add Mobile Users:

① **Download and open the App "Alta World" on your phone, Connect your phone to hotspot;**

②**Click "My Device" on the "I" page on the right, and click "+" in the upper right corner;**

③**Click "Security &Video Surveillance", find "Lock(Wi-Fi)", use hotspot connection.**

④**Press "*"+"#" +"Admin password" to enter menu setting of smart lock, press "2 User Setting", choose "4 Manag Wireless", choose "2 AP (Hotspot mode)"**

⑤ **Confirm indicator rapidly blink in mobile app. Waiting for adding device successfully, revise "device name" and press "finish".**

⑥ **Press "*"+"#" +"Admin password" to enter menu setting of smart lock, press "3 System Setting", choose "1 Set Date Time", make the lock time same with mobile time.**

⑦ **Remote unlocking: press "Door Bell" . There will show "requesting remote unlocking" in mobile app. Press to confirm to unlock.**

⑧ **Remote dynamic password: Click to get remote dynamic password, input remote dynamic password on the lock, unlock after successful verification.**

⑨ Temporary PW: Create password, name, valid time, showing "Syncing". Input temporary password on the lock, unlock after successful verification.

3.2 Do's And Don'ts

(A)The mobile phone connection to the door lock is required to be at the same time as the smart lock user adding;

(B)The WIFI account used by the first mobile phone user will become the default account for the smart door lock, while other users can only add mobile user under such WIFI network;

(C)After any remote user has been deleted, the mobile phone user will be required to remove the original door lock device on the phone and then reconnect to it;

3.3 Remote Unlock Request

Entering keys"Bell", remote unlock request instructions will be issued, and be received by all mobile phone users, yet only remain valid for one minute.

3.4 WIFI Product Test Mechanism

(A)Firstly, Change the Hotspot on the phone or WIFI name to "UPGRADE-AP", and password to "TEST1234;

(B) Then Enter keys "279+#" for WIFI Product Test, and the WiFi module will actively be connected to the hotspot "UPGRADE-AP" once any product test instruction is received. The device will restore to factory settings automatically after product test is completed successfully with prompt voice, "Operation Successful".