

DL-GS3550 Smart Glass Door Lock

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Safety and Precautions

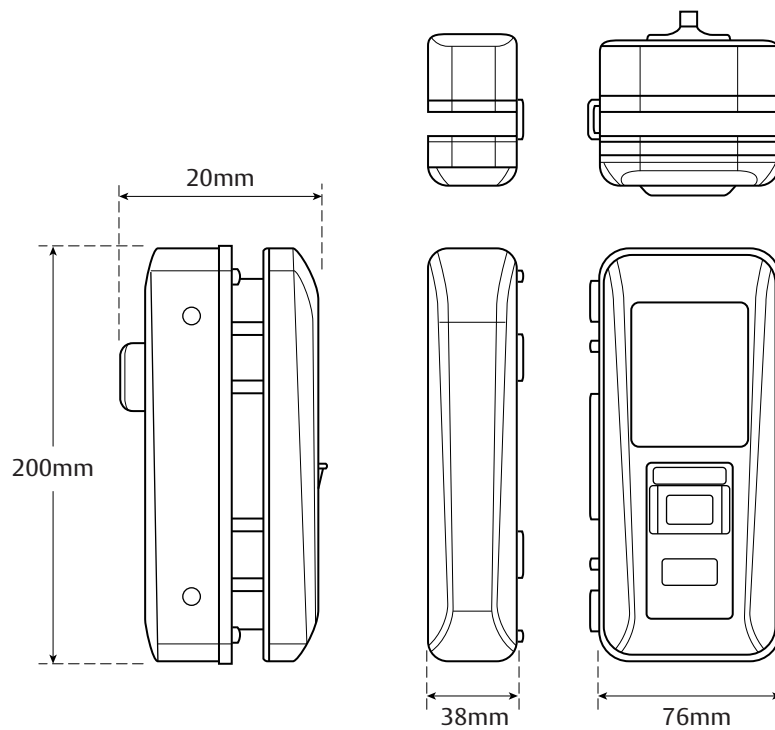
As with any high-tech product, the electronic door lock's installation directly impacts the normal operation of the product. It is recommended that you complete the renovation of the room prior to installing the door. Please install in strict accordance with the company's installation standards for operating.

- Do not use in environments with corrosive substances, such as intense radiation, high magnetic field, high temperature, high salinity, etc. Environments like these will affect the performance and life of electric locks.
- Initialize the door lock when completed and restore the lock to the initialization state.
- Set your electronic key immediately after initialization to prevent others from illegally opening your door lock.
- To protect your safety, please check the key whether the key box has been opened or not.
- Keep your own set of electronic keys and mechanical keys.
- When replacing batteries, please use the same brand 1.5V and replace all four, as using old and new batteries or non-alkaline batteries will damage your door lock.

Product Features

- **Options for Opening Door:** Fingerprint, password or a combination of other ways offer safety and convenience.
- **Double Authentication:** Features fingerprint encryption and dual-fingerprint combination.
- **Leading Algorithm:** Features leading international fingerprint algorithm.
- **Touch Keyboard:** Capacitive touch key and LED back light create durable, comfortable operation.
- **Induction Power:** Fingerprint sensor capability.
- **Display:** User-friendly design.
- **Low-Voltage Warning:** Display screen shows battery voltage in real time, prompting user to change batteries in time.





Product Points

Outdoor Unlock

Enter the correct user (Fingerprint, Password, or Card) or the correct remote control key on the outdoor lock body, and the lock will automatically return to unlock.

Outdoor Lock

When lock is in auto-locked state, the door lock is aligned with the keyhole and the latch is automatically closed. When the lock is in manual-lock mode, after door lock and keyhole alignment, touch any key to start the keyboard and press the "*" key to hold out the lock.

Indoor Unlock

Rotate the knob, lock back, unlock.

Indoor Lock

When lock is in auto-locked state, the door lock is aligned with the keyhole and the latch is automatically closed. When the lock is in manual-lock mode, the door latch is aligned with the keyhole. Turn the rotary knob, and the latch holds out the lock.

NOTES

- Do not let water and other liquids leak into the product.
- Do not use acid material to clean the door.
- Update password regularly.
- Pay attention to battery usage and replace in time.
- Do not use sharp objects to scrape and beat the door lock.
- Do not expose the door lock to outdoor elements – avoid sun and rain exposure.

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Technology And Parameter Details

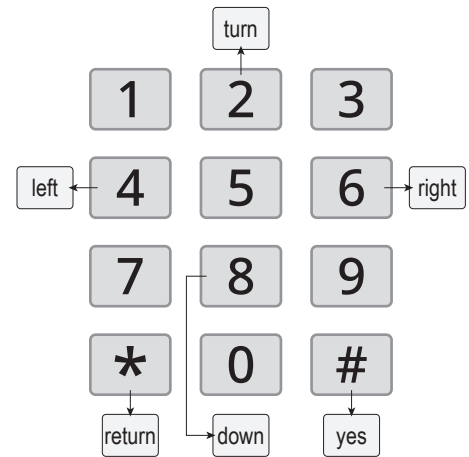
Working Voltage	4 pcs *1.5V "AA" Alkaline Batteries	High quality
Fingerprint Sensor Type	Optical Sensor	
Password Keyboard	Capacitive Touch Keyboard	
Number of Keys	12 Button (0 ~ 9, Ensure, Cancel)	Including managing passwords, fingerprints and cards
Password Capacity	99 Passwords for Users, 1 Password for Admin	Switch between Chinese and English
Language Models	Chinese-English	Without any working condition
Quiescent Current	≤50uA	Screen display and fingerprint window light and button backlight LED light at the same time
Dynamic Current	≤200mA	Working Voltage 3V ~ 6V
Drive Output	DC Motor	The max current of drive output
Drive Capability	≤500mA	Conform to the national standard (80% ± 5%)
Alarm Voltage	≤4.7V	
Working Temperature	-25°C ~ +65°C	
Storage Temperature	-25°C ~ +55°C	
Storage Time	Over 10 Years	
Fingerprint Changes	100,000 Times	
Fingerprint Capacity	99 Fingerprints for Users, 1 Fingerprint for Admin	
Recognition Rate	<0.0001%	
Rejection Rate	<1%	
Working Humidity	5 ~ 95% RH (No Condensation)	
Card Model	MF Card, IC Card	
Display Screen	OLED Screen 0.96"	
Interfaces	Lock Core, Emergency Power, Display Screen, Fingerprint Sensor, Anti-Lock Switch, Anti-Demolition Alarm, Remote Control, Reading Card Interface, Etc.	
Antistatic	Air Discharge 15KV, Contact Discharge 8KV	
Contract Mode	1:N	
Card Capacity	99 Cards for Users , 1 Card for Admin	

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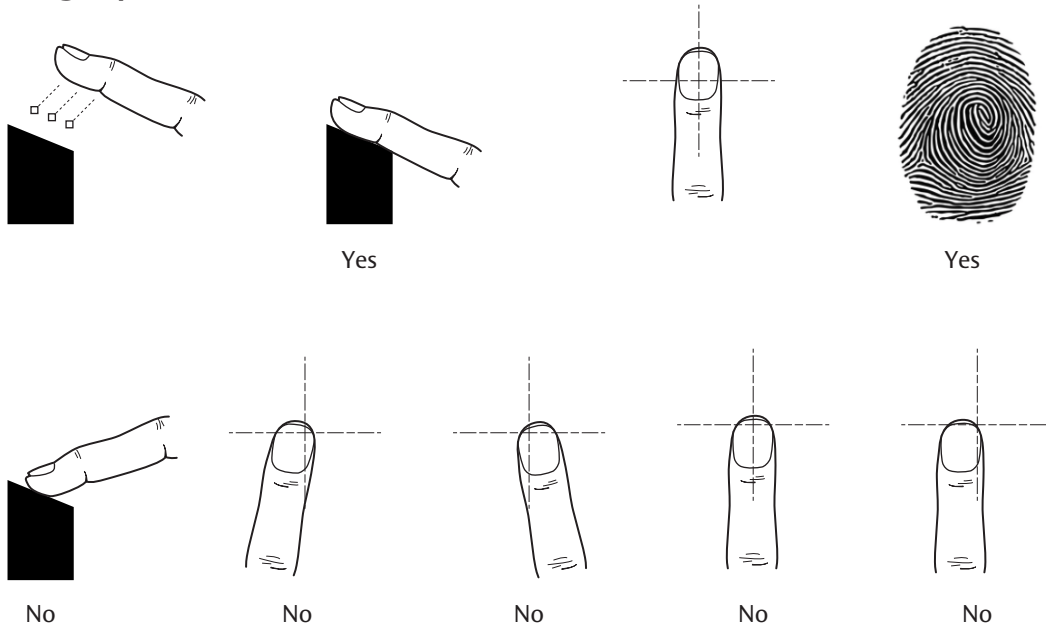
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Acrylic Panel

1. On the main menu bar, numbers "2, 4, 6, 8, *" and "#" keys will light up. Number "2" for the turnkey, "4" for the left, "6" for the right, "8" for the down key. The "*" is the return key and "#" is the confirmation key.
2. When entering digital password, all keys will light up.
3. Enter "main menu bar" mode.
4. When the lock is in factory state, the digital key of the touch panel is on the system. Input "0 #" into the main menu bar interface.
5. Lock has now entered add a user mode. You must enter "0 #". The button panel screen will display "Please enter password management (fingerprint) authorization" and voice synchronization will prompt "Please input management fingerprints or password." Enter "key management number", press "#" key to confirm and enter the main menu bar interface.



The Use of Fingerprints



Instructions:

When fingerprint collection window light is on, please press the correct method above the finger on the fingerprint collection window, about 1 second, and the door has automatically completed fingerprint collection.

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Smart Anti-Theft Lock Instructions

Item	Function	Description
1	Menu Display	Using OLED0.96 display, hierarchical management menu display mode.
2	System Management	Press “0 + #” to enter the main menu bar system management interface.
3	Password Management	Device can save 100 groups of 6-10 passwords. Initialization will delete all passwords.
4	Fingerprint Management	Device can save 100 fingerprints. Initialization will delete all fingerprints.
5	User Management	The administrator can change the user permissions (owner, guests, part-time works, temporary workers). Device can be set to 99 users.
6	Safe Mode	Supports single key, double key and dual-user mode unlock.
7	Normally Open Set	Administrator operation. Press the “2” and “8” buttons to enter normally open model. The screen displays “has entered the normally open mode.” At the same time the voice prompts “has entered the normally open mode,” the system automatically exits.
8	System Initialization	Press the Initialize Key to restore the system factory settings.
9	Time Setting	The system has time memory, which provides the time basis for the unlock operation and can be adjusted according to the current time information.
10	Voice Prompts	Different operations have voice navigation tips, adjustable volume, and select mute.
11	Attack Protection	If the wrong key is entered 5 times, the system will automatically lock for 3 minutes and cannot be unlocked during this time.
12	Low Voltage Alarm	When the battery is too low to operate, there will be a voice prompt and the battery will run out.
13	Records Query	Can provide the most recent 20,000 open lock operation record.
14	Power Display	Use the power display function to show the current power level.
15	Garbled Function	Open lock password can be entered in 20 bits of password, as long as continuous input the correct password to open the door; Prevent others from watching and stealing passwords.
16	Emergency Door Opening	When the battery voltage is insufficient to drive the motor, the external power supply can be used for emergency door opening. The mechanical key can also be used to open the door.
17	Dual Power Supply	Support two circuit power supply at the same time.

Function Menu Navigation

1. Function Menu

Project Item	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8
User Mgmt.	Enter "0 #"	Enter Mgmt. Password	User Mgmt.	New User	Enter User Name	Edit Password	Add New Password	Enter New Password
						Edit Fingerprint	Add New Fingerprint	Enter New Fingerprint
						Edit Card	Add Card	Configure New Card
				Administrator	Edit Password	Edit Password	Add New Password	
					Edit Fingerprint	Edit Fingerprint	Add New Fingerprint	
				User 01	Edit Password	Add New Password	Enter New Password	
						001:33**22	Whether to Delete the Current Password	
					Edit Fingerprint	Add New Fingerprint	Enter New Fingerprint	
						002:00 01	Whether to Delete the Current Fingerprint	
					Edit Card	Add Card	Configure New Card	
						003:00 01	Whether to Delete the Current Card	
Lock Mode	Enter "0 #"	Enter Admin Password	User Mgmt.	Safe Mode	Single Verification Mode			
					Double Key Verification			
					Double User Authentication			
				Language Modes	Chinese			
					English			
Lock Record	Enter "0 #"	Enter Admin Password	User Mgmt.	Lock Record	Serial Number: 001 (password)			
					Name: admin			
					Date: 2017-05-24			
					Time: 12:10:12			
Lock Info.	Enter "0 #"	Enter Admin Password	User Mgmt.	Lock Information	ID: 5361489 2212			
					V2.2 x 1 70523			
					RES V1.0 x 170 312			
System Mgmt.	Enter "#"	Enter Admin Password	Network Configuration	Network Close				
				Network Open				
			Remote Control Mgmt.					
			Tone Control					
			Timeset	2017-05-23	18:12:10			
			Restore Factory Settings	Whether to Restore Factory Settings				

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2. Factory Settings

- 2.1. Enter “0 #” on the keypad. Screen displays “Please enter the administrative password (fingerprint) authorization,” and voice synchronization prompts “Please enter administrative password (fingerprint).” Enter the administrative key “0123456789” and press the “#” key. Next, enter the main menu interface and use the directional keys on the main menu to find and restore factory settings. Press “#” to confirm, press the figure “3” key to reconfirm. The screen will first show “initializing...”, then “initial success” and voice synchronization prompts “initial success.” All data in the lock is completely cleared to restore the factory setting state. This deletes all information, including fingerprints, passwords, and management password recovery.

3. Functional Instructions

3.1 Administrator Key Settings, Changes and Deletes

3.1.1 Administrator Key Setting

Enter “0 #” on the keypad. Screen displays “Please enter the administrative password (fingerprint) authorization,” and voice synchronization prompts “Please enter administrative password (fingerprint).” Enter the administrative key “0123456789” and press the “#” key. Enter the main menu, press the “#” key to enter “User management,” select “Administrator,” press “#” to confirm. Select “Edit password (fingerprint),” and “#” to confirm. Next follow screen prompts – “Please configure passwords (fingerprint),” enter a password comprised of 6-10 digits, press the “#” key to confirm, or enter a fingerprint and press the “#” key to confirm and exit the menu. There can only be one digital management password, while there can be multiple fingerprint keys and card passwords.

3.1.2 Delete the Management Key

Enter “0 #” on the keypad. Screen displays “Please enter the administrative password (fingerprint) authorization,” and voice synchronization prompts “Please enter administrative password (fingerprint).” Enter the administrative key “0123456789” and press the “#” key. From the main menu, press the “#” key to enter “User Management.” Select “administrator” in the user list, press the “#” key to enter, select “Edit password” followed by the “#” key. Watch for “Add a new password”, enter new password and press “#” to confirm. System will automatically clear the original password. Administrators have the authority to change and delete user rights.

3.2 User Management Operation

3.2.1 Add the User

Enter “0 #” on the keypad. Screen displays “Please enter the administrative password (fingerprint) authorization,” and voice synchronization prompts “Add User,” press “#” to confirm. Follow screen prompts to “Please enter the username,” then edit the user name and press the “#” key to confirm. According to screen prompts, “Edit password, Edit fingerprint, Edit card, Change permission, Delete user.” Select the appropriate option to add the digital password, fingerprint and card. Digital password must consist of 6-10 numbers, fingerprint must be entered three times to confirm, the card must be scanned once to be configured successfully. After confirming, press the “*” to exit the menu. To add more than one key, repeat the above steps.

3.2.2 Delete the Key

To delete the key, enter “0 #” on the keypad. Screen displays “Please enter the administrative password (fingerprint) authorization,” and voice synchronization prompts “Please enter administrative password (fingerprint).” Enter the management key, then press “#” to confirm. Enter the main menu and press the “#” key. Enter “User management,” select “administrator” in the user list, select “non-management user” such as 02, and press the “#” key to confirm. In “User 02”, choose the confirmed key, and press the “#” key to confirm. System will prompt whether to delete the current password (fingerprint), press “#” key to confirm, press “*” key to return to menu after successful delete. If you want to delete several keys, repeat the above steps.

3.3 Lock Mode

3.3.1 Intelligent Security Lock Mode Includes Security Mode, Language Selection

3.3.1.1 Safe Mode

The safe mode is used for the lock mode and the security levels of unlocked features. To set the unlock certification operation method, enter “0 #” on the keypad. Screen displays “Please enter the administrative password (fingerprint) authorization,” and voice synchronization prompts “Please enter administrative password (fingerprint).” Enter the management key, press the “#” key to confirm. From the main menu, select “Lock mode,” press “#” to confirm. Screen will show “single mode, dual key inspection certificate, double user authentication.” Select the lock security mode, press the “#” key to confirm and press the “*” key to exit.

3.3.1.2 Language Setting Function: Chinese and English Options

Language setting: enter "0 #" on the keypad, the screen displays "Please enter the management password (fingerprint) authorization" voice synchronization prompts "Please enter the management password or fingerprint", enter the management key such as "0123456789" press the "#" key to confirm. Enter the main menu interface, select "lock mode", press "#" key to confirm, choose "language choice" in the system settings interface, press "#" key to confirm, and then choose to use the language (Chinese and English) mode, press the "#" key to confirm, press "*" to exit.

Note: Replace the voice option with an initial operation.

3.4 Volume Adjustment Function

Convenient for user to set the volume according to the user environmental needs Volume adjustment: Enter "0 #" on the keypad, the screen displays "Please enter the management password (fingerprint) authorization" voice synchronization prompts "Please enter the management password or fingerprint", enter the management key such as "0123456789" press the "#" key to confirm, enter the main menu interface, select the "volume adjustment" in the main menu interface, and then set the volume according to the environmental requirements, press the "4 (left)" key to decrease the volume. Press "8 (right)" key to increase the volume. Press "#" to confirm. The display shows: "Set success", and the voice prompts "Set up successfully" and return to the main menu.

3.5 Factory Reset

Enter "0 #" on the keypad, the screen displays "Please enter the management password (fingerprint) authorization" voice synchronization prompts "Please enter the management password or fingerprint", enter the management key such as "0123456789", then press "#" key to confirm, Enter the main menu interface, select "restore factory settings" press the "#" key to confirm, the screen displays: "whether restore the factory settings", press the "1" key NO, press the "3" key YES, press the "3" key to confirm, the screen displays "is initializing ...", initialization is complete, the screen displays: "initial success", while the voice prompts "initialization success." Or press the Initialize button on the front panel to initialize.

3.6 Normally Open Set

Enter management key "0123456789" on the keypad, press "#" key to confirm, enter the administrator operation, digital keys "8" "2" light on, press "2" "8" button to enter normally open model, the screen displays: "has entered the normally open mode", at the same time voice prompts "has entered the normally open mode", the system automatically exits.

Note: User secret-key lock cannot use the "2" "8" key to enter the normal open mode.

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3.7 Check Unlock Record

The administrator check a specific user that when and which way to unlock.

Key Record query: enter "0 #" on the key panel, the screen displays "Please enter the management password (fingerprint) authorization" voice synchronization prompts "Please enter the management password or fingerprint", enter the management key such as "0123456789", then press "#" key to confirm, enter the main menu interface select "unlock record", press "#" key to confirm the completion of the lock record query, press "*" key to exit. (Unlock record can store 20,000pcs)

3.8 Time Setting

3.8.1 Time Setting

It is the correction of the current time of the lock, making the lock record more accurate and more effective. Select "time setting" and press "#" key to set the date and time, then press "#" key to confirm the screen displays: "setting success" and the voice prompts "setting success", the system returns automatically to main menu. Time Settings: enter "0 #" on the key panel, screen displays "Please enter the administrative password (fingerprint) voice authorization" voice synchronization prompts "Please enter the administrative password or fingerprint", enter key management such as "0123456789", then confirm by "#" key, enter the main menu interface and select "time setting", press "#" key to set date, time, then press "#" key to confirm, screen displays: "setting success", while voice prompts "setting success", the system returns to the main menu automatically.

3.9 Remote Control: Configure Remote Control

Appendix I

Common Problems and Exclusion of Door Locks

Fault Phenomenon	Possible Causes	Method of exclusion
Door card / fingerprint / password unlocked without reaction	<ul style="list-style-type: none"> ① The battery is exhausted ② Others 	<ul style="list-style-type: none"> ① Replace the battery or emergency power supply ② Please contact after-sales service
Unlock the tongue fixed	<ul style="list-style-type: none"> ① The door is not aligned ② Not enough power 	<ul style="list-style-type: none"> ① Try again when the door is aligned ② Unlock with emergency power
Fail to read fingerprints	<ul style="list-style-type: none"> ① The skin of the fingers is dry and wrinkled ② After long use, the collection surface becomes unclean, or scratches ③ Others 	<ul style="list-style-type: none"> ① Give your finger a bit of moisture to make your fingerprint clear ② Use stickers to stick the dirt on the surface of the collection head ③ If you have any questions, you could contact the supplier for a warranty
Can not close automatically	<ul style="list-style-type: none"> ① The battery is exhausted ② It's not automatic lock mode 	<ul style="list-style-type: none"> ① Replacement battery ② Set to auto lock door mode
Can not set the unlock door card / fingerprint / password	<ul style="list-style-type: none"> ① Not authorized ② There is no step-by-step authorization ③ The total number of cards plus the setting, password more than 300 	<ul style="list-style-type: none"> ① Get authorization (input management fingerprint) ② According to the front door lock follow the steps ③ Delete the unneeded door card / fingerprint / password

Appendix II

Configuration List

Part Name	Part Description	Unit	Double Door	Single Door	Border Side Door / Wooden Door
Outdoor Panel	With Support	PC	1	1	1
Indoor Panel	With Support	PC	1	1	1
Indoor Lockbox	With Support Magnet	PC	1		1
Outdoor Lockbox	With Support	Piece	1		
Battery Cover		Piece	1	1	1
Cable		Root	1	1	1
Circuit Board		Set	1	1	1
Screw Pack	Special Door Lock	Set	1	1	1
Intelligent Card		Piece	2	2	2
Lock Body Mounting Plate		Piece	1	1	
Lock Buckle Mounting Plate		Piece	1		
Single Door Panel	With Magnet	Piece		1	
Voltage Mode	Optional	Piece			
Manual		This	1	1	1
Package Box		Set	1	1	1
Other					

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