

USER GUIDE

1 OVERVIEW OF THE LOCKSET

1 INDICATORS

1. Red light: Represents an incorrect entry or the unit is programming mode.
2. Yellow light: Flashes when the batteries are low in power.
3. Green light: Represents a correct entry.

2 CLEAR BUTTON

1. Please always press **C** button to cancel any typo or exit programming mode.

3 MECHANICAL KEYWAY OVERRIDE

1. To unlock the lockset by a valid key.

4 BATTERY COVER

1. Protects the batteries from unexpected damage.

5 [SET] BUTTON

1. Press set button for 1 second to enter programming mode.
2. Please refer to **2** - **3** for more information about programming mode.

6 LEVER HANDLE

1. Opens the door.

2 HOW TO LOCK / UNLOCK / PROGRAM THE LOCKSET

1 AUTO-LOCK / PASSAGE MODE

Auto-lock

Auto-lock → Hold [SET] for 1 second + **#**

Passage mode

Passage mode → Hold [SET] for 1 second + **C**

In Auto-lock mode, the lock will automatically lock in 5 seconds. See **2**-**3** to adjust auto-lock delay timer.

In Passage mode, the lock will remian unlocked until it is switched to Auto-lock mode.

2 HOW TO UNLOCK THE LOCKSET

To unlock

A To unlock, enter valid User Code or Programming Code.

B Use a mechanical key to lock.

C Lock or unlock by mobile app.

Press and hold **#** right after the door is unlocked to stop auto-locking. To enable auto-lock, activate the screen then press and hold **#** again until beep sound.

After the screen is activated, enter Guiding Code first if it is on (see **2-**3**).**

The screen is temporarily disabled after 4 consecutive incorrect entries.

3 HOW TO PROGRAM THE LOCKSET

BASIC SETTINGS

Change Programming Code	- Programming Code can be used to program or unlock the lockset. - The default Programming Code is “12345678”.	Press [SET] for 1 second.	Programming Code (4~8 digits)	→ # → 1 → 0 → # →	New Programming Code(4~8 digits)	→ # →	Same New Programming Code(4~8 digits)	→ #
Add a User Code(S)	- User Code can be used to unlock the lockset. - User Code cappcity: 25 sets (4-8 digits).	Press [SET] for 1 second.	Programming Code (4~8 digits)	→ # → 2 → 0 → # →	New User Code (4-8 digits)	→ # →	Same New User Code (4-8 digits)	→ #
Delete individual User Code(S)	Delete individual User Code(s).	Press [SET] for 1 second.	Programming Code (4~8 digits)	→ # → 3 → 0 → # →	User Code	→ # →	Same User Code	→ #
Delete ALL User Codes	Delete ALL User Codes at once.	Press [SET] for 1 second.	Programming Code (4~8 digits)	→ # → 4 → 0 → # → C				

ADVANCED SETTINGS

Add Single-use User Code(S)	- Single-use User Code can only be used once to unlock the lockset. - Single-use User Code capacity: 4 sets (4 digits).	Press [SET] for 1 second.	Programming Code (4~8 digits)	→ # → 2 → 1 → # →	Single-use User Code (4 digits)	→ # →	Same Single-use User Code (4 digits)	→ #
Guiding Code	Guiding Code is a set of random codes to be entered prior to any User Code to prevent code probing by placing finger prints on every button making code discovery more difficult.	Press [SET] for 1 second.	Programming Code (4~8 digits)	→ # → 2 → 2 → # →	Turn On	1 → #	Turn Off	0 → #
Vacation Mode	Vaction mode temporarily disable ALL User Codes.	Press [SET] for 1 second.	Programming Code (4~8 digits)	→ # → 5 → 0 → # →	Turn On	1 → #	Turn Off	0 → #
Volume Control	- Turn on / off door lock operation volume. - Volume is always on in the programming mode.	Press [SET] for 1 second.	Programming Code (4~8 digits)	→ # → 6 → 0 → # →	Turn On	1 → #	Turn Off	0 → #
Auto-lock Delay Timer	- Default Auto-lock Delay Timer : 5 seconds. - Auto-lock Delay Timer range: 5 -99 seconds.	Press [SET] for 1 second.	Programming Code (4~8 digits)	→ # → 7 → 0 → # →	Enter New Amount (5 - 99)	→ #		
Include / Exclude to Z-Wave network Z-Wave DSK QR code 	- Turn on inclusion / exclusion mode at your Z-Wave controller when including / excluding the lock. - Refer to your Z-Wave controller instruction for more information.	Press [SET] for 1 second.	Programming Code (4~8 digits)	→ # → 9 → 0 → # →	Include / Exclude successfully (beep x 1)	OR	Include / Exclude unsuccessfully (beep x 3)	

If you should input DSK (Device Security Key) to complete the inclusion, please find the DSK on the inner side of the battery cover.



The lockset will exit the programming mode and resume to the stand-by status if no input is made in 10 seconds.
3 Beeps means something was entered incorrectly. Please redo the step again.

4

RESTORE TO FACTORY SETTINGS

• Remove one battery

➡

• Press and hold [SET] button while inserting the battery back.
• Hold the set button until long beep has finished.

⚠ 1. This will erase all stored information, including bolt direction.
2. The Programming Code will be restored to default 1-2-3-4-5-6-7-8.

3 TROUBLESHOOTING

1 INSTALLATION	
QUESTIONS	ANSWERS
A.The latch does not operate correctly after installation.	1. Make sure the backset on the latch is set to the proper length.
B. Can not remove key after the lock is installed.	1. The key can only be removed when it is horizontal. 2. Make sure the key teeth is facing up during installation. please refer to installation instruction 4 - 3 - B.

2 OPERATION	
QUESTIONS	ANSWERS
A. Battery indicator keeps flashing.	1. The batteries are getting low, please replace with four new batteries for the best performance (alkaline batteries only).
B. Touch screen not responding.	1. Check the battery installation. 2. The batteries are getting low if the battery indicator keeps flashing. please replace with four new batteries for the best performance (alkaline batteries only). 3. Make sure the cable is well-connected to the port, and was not damaged during installation.
C. Programming code can not be changed.	1. Please refer to ② - ④ in the user guide to restore factory setting and reprogram all codes.
D. What should I do if wrong code was entered?	1. Press ③ button once and continue to input code according to regular procedures.
E. Can not delete all user codes.	1. Make sure the whole code entering process is completed within 10 seconds, otherwise the unit will time out. 2. Make sure the programming code has been entered correctly.
F. Can not add a new user code.	1. Make sure the whole code entering process is completed within 10 seconds, otherwise the unit will time out. 2. Make sure the programming code has been entered correctly. 3. The new user code will not be accepted when the capacity is full. Try to delete any or some existing user codes and then add new one(s) again. A user code must be at least 4 to 8 digits.
G. "Auto lock" does not function.	1. The batteries are getting low if the battery indicator keeps flashing. please replace with four new batteries for the best performance (alkaline batteries only).
H. Lockset is not able to unlock by touch screen.	1. Make sure you have entered the correct user code. 2. The battery is low if the battery indicator light keeps flashing. Please replace with four new batteries.
I. Lockset is unable to reset.	1. Please refer to ② - ④ in the user guide to restore factory setting. 2. The battery is low if the battery indicator light keeps flashing. Please replace with four new batteries.
J. Operate the lockset in darkness.	1. Touch the screen to activate the lockset back light.
K. The red indicator is still on after programming is completed.	1. Check if [SET] button is jammed. 2. Re-install the batteries.
L. I cannot include my lock to Z-Wave network.	1. Perform the exclusion process then perform the inclusion process again. 2. Make sure the lock is within the Z-Wave network range. 3. Refer to your Z-Wave controller instruction for more information.
If the lock appears to be damaged or does not operate properly, please contact your local provider for more help.	

About Z-Wave

- **Z-Wave Instructions**
This product can be included and operated in any Z-Wave network with other Z-Wave certified devices from other manufacturers and/or other applications. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network.
The Doorlock is a Security Enabled Z-Wave Plus device. To fully utilize all Z-Wave functions of The Doorlock, it must be used with a Security Enabled Z-Wave controller.

Association groups:
The doorlock has one association group. Association Group 1 ("Lifeline") can contain up to 5 devices and sends the following reports:rts:

COMMAND_CLASS_DEVICE_RESET_LOCALLY : DEVICE_RESET_LOCALLY_NOTIFICATION	Sent on factory reset.
COMMAND_CLASS_BATTERY:BATTERY_REPORT	Sends low battery notifications.
COMMAND_CLASS_NOTIFICATION:NOTIFICATION_REPORT	Sends ACCESS CONTROL notifications when the lock state changes.
COMMAND_CLASS_DOOR_LOCK:DOOR_LOCK_OPERATION_REPORT	Sent when the lock state changes.

DECLARATIONS AND SAFETY STATEMENTS FEDERAL COMMUNICATIONS COMMISSION STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

IC REGULATIONS

This device complies with Industry Canada licence-exempt RSS-210 standard. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation of the device.

4 ACCESS CODE LIST

[illegible]

Z-Wave S2 Locks Series

Touchscreen Deadbolt / Keypad Deadbolt / Touchscreen Lever

System Integration Guide



TAIWAN FU HSING INDUSTRIAL CO., LTD.

N0.88, YUCAI RD., GANGSHAN DIST., KAOHSIUNG CITY 820, TAIWAN (R.O.C) Tel: +886-7-622-5151 Fax: +886-7-622-5403 <http://www.fuhsing.com.tw>

Product Information

Manufacturer ID: 0X262

Z-Wave Device Type: Door Lock

Z-Wave Role Type: Listening Sleeping Slave (LSS)

Model	Product ID	Exterior	Product type ID
Keypad Deadbolt	0X0004	Drop	0X0005
		Castle	0X0004
		Square	0X0003
		Hourglass	0X0006
Touchscreen Deadbolt	0X0002	Square	0X0003
		Castle	0X0004
Touchscreen Lever	0X0003	Square	0X0003

Supported Command Classes

Command Class Z-Wave+ Info

Command Class Manufacturer Specific

Command Class Security

Command Class Device Reset Locally

Command Class Power Level

Command Class Version

Command Class Battery*

Command Class Door Lock*

Command Class User Code*

Command Class Association*

Command Class Association Group Info*

Command Class Notification*

Command Class Configuration*

Command Class Firmware Update Md*

* Command Class Requires Security



TAIWAN FU HSING INDUSTRIAL CO., LTD.

Configuration Parameters

	Description	Command	Number	Value	Value Description
1	Guiding Code on/off	Configuration 0x70	01	01	Enable (default)
				00	Disable
2	Vacation Mode on/off	Configuration 0x70	02	01	Enable, all user codes are invalid; only keep programming code valid
				00	Disable (default)
3	Volume on/off	Configuration 0x70	03	01	Enable (default)
				00	Disable
4	Auto-Lock on/off	Configuration 0x70	04	01	Enable (default)
				00	Disable
5	Auto-Lock Timer 10-99	Configuration 0x70	0x0A~0x63	*10-99	*10-99 seconds (default 10)
6	Add Single-Use User Code	USER_CODE 0x63	Identifier 1A~1D(4 sets)	status 01	Lock will add single-use user code and delete it after used
7	Delete Single-Use User Code	USER_CODE 0x63	Identifier 1A~1D(4 sets)	status 00	Lock will delete single-use user code
8	Add User Code	USER_CODE 0x63	Identifier 01~19 (25 sets)	status 01	Lock will add use user code
9	Delete User Code	USER_CODE 0x63	Identifier 01~19 (25 sets)	status 00	Lock will delete use user code
10	Reset to Factory Default	DEVICE_RESET_LOCALLY 0x5A			Lock will execute Reset To Factory
11	Battery Level Status of Lock	BATTERY 0x80			Level % of the full battery (values from 0 to 100%)

* Auto-Lock Timer for Touchscreen Lever is 5-99 seconds, default 5 seconds.



TAIWAN FU HSING INDUSTRIAL CO., LTD.

Notifications

	Description	Command	Number	Value	Value Description
1	Notification - Bolt Jammed	Notification 0x71	Access 0x06	0x0B	Bolt Jammed (Not fully extended)
2	Notification - Non Access	Notification 0x71	Access 0x06	0x13	Failed User Code attempt at the Lock (notify after 3 fails)
3	Notification - Low Battery	Notification 0x71	Power Management 0x08	0x11	Low battery alarm
4	Notification - Programming code changed	Notification 0x71	Access 0x06	0x12	Programming code was changed
5	Notification - Manual operation	Notification 0x71	Access 0x06	0x01	Manual lock by key cylinder or inside thumb-turn
				0x02	Manual unlock by key cylinder or inside thumb-turn
6	Notification - RF operation	Notification 0x71	Access 0x06	0x03	Lock by RF module
				0x04	Unlock by RF module
7	Notification - Touchpad operation	Notification 0x71	Access 0x06	0x05	Lock by Keypad/Touchpad
				0x12	0X00~0X1D Unlock - Where Value represents user slot number
8	Notification - Auto locked	Notification 0x71	Access 0x06	0x09	Auto-lock cycle complete, locked.



TAIWAN FU HSING INDUSTRIAL CO., LTD.