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**Ionic Electronic  
Door Lock  
Manual**

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## **1 LOCK USAGE**

To take full advantage of the lock, use the Fullex-AI App.

If you do not use the app, you can still use the key fobs to unlock the lock.

## **2 LOCK / UNLOCK**

Press both buttons of the lock at the same time to lock / unlock. The lock can also be opened with a single button if it has previously been set in the app.

The lock can also be opened by pressing a paired fob button within the communication range of the fob.

## **3 MANAGE KEY FOBS WITHOUT THE APP**

### **3.1 ADD KEY FOB**

To use a key fob, you must first pair the fob with the lock.

Key fob pairing:

- 1.** The lock must be switched to pairing mode first. Press and hold both of the lock buttons for at least 5 seconds while the lock switches to pairing mode.

The lock indicates the pairing mode with a long beep and orange-purple alternating LED flashing.

- 2.** Press and hold the selected button on the key fob for at least 4 seconds.

Successful pairing is indicated by a long beep on the lock. You can pair multiple fobs in a row. Each button on the fob can be paired with different locks.

- 3.** The lock automatically returns to normal mode after 30 seconds.

You cannot unlock the door with the fobs in pairing mode.

## 3.2 DELETE ALL KEY FOBS

You cannot delete a specific fob without the app. You have to delete all fobs and then you need to add the others again.

### Delete all fobs:

**1.** The lock must be switched to pairing mode first. Press and hold both of the lock buttons for at least 5 seconds while the lock switches to pairing mode.

The lock indicates the pairing mode with a long beep and orange-purple alternating LED flashing.

**2.** Press and hold the lock buttons again for at least 5 seconds. The lock will lock or unlock when you press the button as in normal mode.

Then, the lock beeps once every second while you hold the button and then emits a long beep to indicate that the fobs have been deleted. You can release the buttons after the long beep.

**3.** The lock automatically returns to normal mode after 30 seconds.

You cannot unlock the door with the fobs in pairing mode.

## 4 FORCE START OF FIRMWARE UPDATE MODE

The firmware update mode can be started manually. In general, it is not necessary to manually start the firmware update mode because it is started automatically if you start the update process from the app, or

if the previous firmware update failed, and there is no valid firmware on the lock.

It is only needed if a serious problem occurred with the lock firmware and it is not able to connect to the app via Bluetooth.

### **Start firmware update mode:**

**1.** Find the small reset hole at the bottom of the lock in front of the micro USB connector.

Press and hold both of the lock buttons while inserting a straightened paper clip into the reset hole and depress the switch for a second, then release the lock buttons.

The lock indicates the firmware update mode with continuous red LED.

**2.** Start the firmware update process in the app within 30 seconds.

**3.** The lock automatically returns to normal mode after 30 seconds if no pairing request is received from the app.

You cannot use the lock while it is in firmware update mode.

## **5 RESETTING THE LOCK**

If the lock malfunctions or freezes, you can restart it via the reset hole next to the micro USB port on the bottom.

Some recent log entries may be lost due to the reset.

## Resetting the lock:

1. Find the small reset hole at the bottom of the lock in front of the micro USB connector.
2. Put a straightened paper clip into the reset hole and depress the switch for a second.

The lock then restarts. This is indicated by fast blue-white LED flashes.

## 6 LIGHT AND SOUND SIGNALS OF THE LOCK

The LED indications at the front of the lock and the lock beeps have the following meanings:

LED	Sound	Description	Solution
<b>Start</b>			
Fast <b>BLUE</b> - <b>WHITE</b> 0.1 – 0.1 s for 1 second.		Lock started.	
<b>Idle Mode</b>			
Fast <b>RED</b> blinking 0.5 – 0.5 s.		Sensor PCB is not connected.	Check the sensor PCB cable.
Slow <b>RED</b> blinking 1 – 1 s.		Low lock battery.	Close the door. Check the inductive charger power and connection or connect USB charger.

<p><b>RED</b> fade off in 3s.</p>		<p>Lock battery discharged.</p>	<p>Close the door. Check the inductive charger power and connection or connect USB charger.</p>
<p>Fast <b>RED</b> then <b>GREEN</b> blinking in every second.</p>		<p>Low lock battery, but it is currently being charged.</p>	<p>Wait until the battery charge level increases.</p>
<p>Two fast <b>RED</b> blinking (0.2s) in every 2 seconds.</p>		<p>Time has not set yet, but there are time-limited access settings. This is likely to happen after the battery is completely discharged, or lock reset. In this case, the time limit restrictions do not work. Access will be allowed regardless of time limits.</p>	<p>Start the Fullex AI App with admin user and connect to the lock. The app will automatically set the time.</p>
<p>One fast <b>ORANGE</b> blinking in every 30 seconds.</p>		<p>No lock power. The door is open or the inductive charging does not work.</p>	<p>Close the door. Check the inductive charger power and connection.</p>

<b>Locking / unlocking</b>			
Continuous <b>RED</b> for 5 seconds	1 long	Locked successfully.	
Continuous <b>GREEN</b> for 5 seconds	1 long	Unlocked successfully.	Check that the handle or door is not tensioned. Try again.
Very fast <b>RED</b> flashing for 5 seconds.	3 short	Locking / unlocking failed.	Check that the handle or door is not tensioned. Try again.
Very fast <b>RED</b> flashing for 2s.	2 short	Locking/unlocking start error. The operation cannot be performed in the current state of the lock. For example, unlock with fob if the lock is already unlocked.	Try another operation or put the lock in the appropriate state.
	Long beeps during the automatic locking delay.	The lock will close automatically after the specified time (default 5s).	

<b>Admin / fob pairing mode</b>			
5 second <b>BLUE</b>	1 long	The lock was successfully added to a mobile device.	
Slow <b>ORANGE</b> – <b>PURPLE</b> transition 1 – 1 s for 30 seconds	1 long	Lock in fob pairing mode.	
Very fast <b>RED</b> flashing for 3s	3 short	In fob pairing mode: No more fobs can be paired.	
	1 long	In fob pairing mode: New fob paired.	
	1 long	In fob pairing mode: All fobs deleted.	
	1 short beep per second for five seconds, during manual fob deleting starting. As long as the lock button is held down.	Starting all fobs deleting manually.	



<b>Firmware update mode</b>			
Continuous <b>RED</b> .		In firmware update mode: Firmware update mode activated.	Wait for the firmware update to complete.
Continuous <b>YELLOW</b> .		In firmware update mode: Firmware transfer starting.	Wait for the firmware update to complete.
Slow <b>GREEN</b> blinking.		In firmware update mode: Firmware transfer in progress.	Wait for the firmware update to complete.

## 7 LIGHT SIGNALS OF THE FOB

The LED indications of the fob have the following meanings:

<b>LED</b>	<b>Description</b>	<b>Solution</b>
<b>GREEN</b> flash.	Signal sending. The battery is OK.	
<b>RED</b> flash.	Signal sending. The battery is low.	Replace the battery.
No LED flash (when a button is pressed).	The battery is completely dis-charged.	Replace the battery.

fullex<sup>®</sup>ai



**Find the App Manual here!**