



Global Link MRL Ultra Pro ES

Bluetooth® Smart Lock (MRLBT-42560-2006-1PK)



INSTALLATION AND OWNER'S MANUAL

This Global Link Motorized Rotary Lock fits most standard Motorhome doors (1-1/2" door thickness). This manual assumes that the door has been prepared for a direct fit rotary type lock **without** a linkage rod assembly that connects the lock to the door latch assembly.

SAFETY

Read and fully understand all instructions before installing or operating this lock.

FMVSS DISCLAIMER
 This lock is listed as compliant with and has passed the SAE J839 for load requirements. This is a U.S. standard for door locks and retention components required for use in automotive vehicles. The entire door lock system including the interior and exterior handles, all linkage, fasteners, and latches were designed to work together for this purpose. To ensure proper compatibility and operation we strongly suggest that all parts used in the door it is being installed in be replaced with components that have passed the FMVSS for strength and functionality as a set.

INSTALLATION REQUIREMENTS
We strongly suggest that installation be performed by a certified RV technician to ensure proper fit, function, and operation and that you verify proper operation of the lock, and its components work properly before using the vehicle.

Key code: _____

Factory default PIN: _____

The factory default PIN cannot be changed.

PARTS LIST (With Descriptions)

<p>Exterior Lock Assembly Qty 1</p>	<p>Interior Lock Assembly Qty 1</p>	<p>Keys Qty 2</p>
<p>A: Deadbolt Cylinder B: Handle Cylinder C: Keypad</p>	<p>D: Battery Compartment E: Safety Release Actuator F: Central Post G: Factory PIN and key code information</p>	<p>Fasteners Qty 3</p>
	<p>H: Battery Cover I: Deadbolt Knob J: Safety Release Lever K: Interior Handle L: Exterior Handle Lock</p>	<p>M: Safety Release Slider N: Master Cam</p>
		<p>CR123 Batteries Qty 2 (Contained in Battery Compartment)</p>

LOCK FUNCTIONS (With Descriptions)

KEY: Locks and unlocks the deadbolt and handle. Key is retained by the cylinder in the locked position. Key will extract when the cylinder is in the neutral position.

DEADBOLT KNOB: Locks and unlocks the deadbolt components from the inside of the unit. Is operated manually, with key, and remotely via the Global Link Connect App.

SAFETY RELEASE LEVER: Bypasses locked deadbolt components and allows for the interior handle to open the lock from the inside. Slide the lever up to release the interior handle and open the door when the deadbolt knob is in the locked position.

KEYPAD: Locks and unlocks the deadbolt components of the lock. *Does not unlock the handle lock cylinder.*

GLOBAL LINK CONNECT APP: Locks and unlocks the deadbolt components of the lock. *Does not unlock the handle lock cylinder.*

EXTERIOR HANDLE LOCK: Locks and unlocks the exterior handle. This is standard on most motorhome entry locks. It is only to be used while unit is occupied. *Is not controlled by the keypad or Global Link Connect App.*

PREPARATION

- Remove the Global Link MRL Ultra Pro ES lock from the packaging.
- Separate the exterior lock assembly from the interior lock assembly.
NOTE: The red exterior handle lock cap must be temporarily removed for separation to occur.
- Pull the clear plastic battery tab from the exterior lock assembly battery compartment cartridge. Ensure the keypad lights up and responds when buttons are depressed.
- Adjust the safety release actuator to align with the marked line on its housing. (**Fig. 1**)

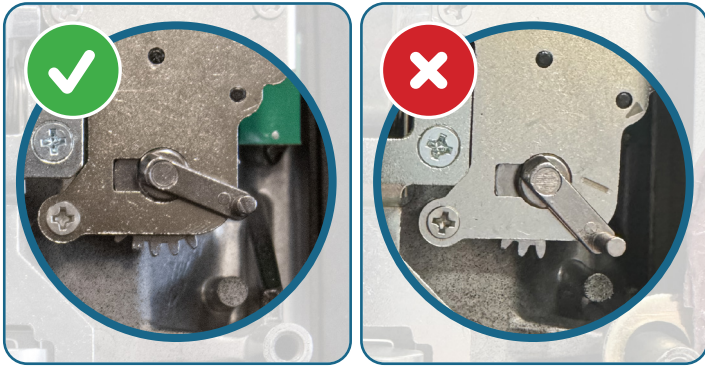


Fig. 1

Remove Existing Lock Assembly

- Secure the door to keep it from moving while installing.
- Remove old lock assembly from the door. **NOTE:** It may be necessary to consult existing door lock production information for removal instructions.

INSTALLATION

1. Position the Ultra Pro ES exterior lock assembly (with keypad) in the door cutout on the outside of the door.

NOTE: The central post is inserted through the opening in the rotary module tab extending into the door cavity. (**Fig. 2**)

NOTE: It is helpful to temporarily secure the lock assembly in the door with a piece of surface safe tape.

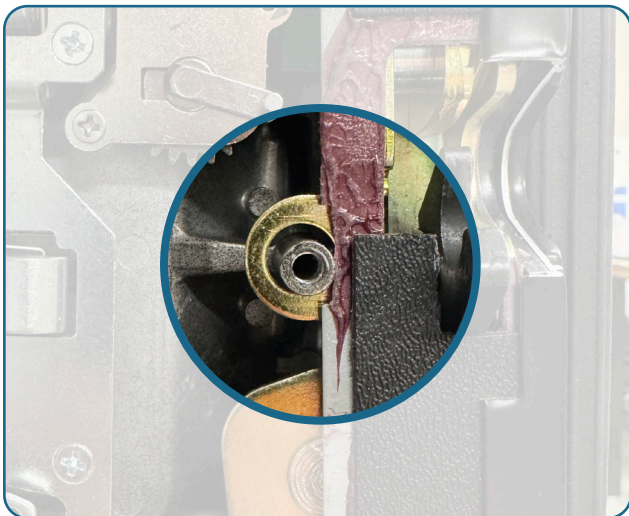


Fig. 2

2. Check the alignment of the lock in relation to the door edge. The lock should be parallel to the door edge trim.

NOTE: Door cutouts vary slightly and may need to be modified in order to achieve proper alignment. Most notably in the upper right corner of the outside door face. Remove lock and carefully cut/file the cutout $1/16''$ at a time. (**Fig. 3** shows potential door cutout modification)

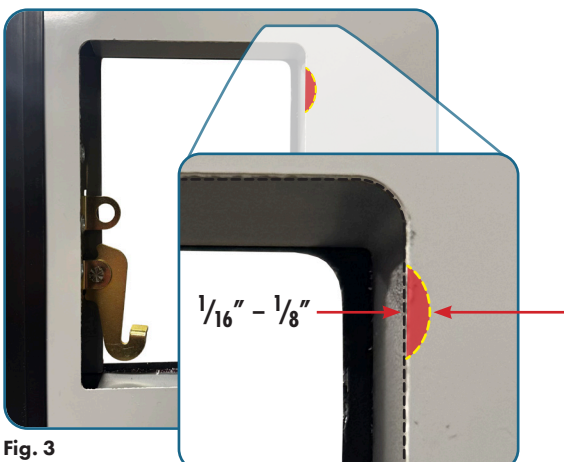


Fig. 3

3. Position the Ultra Pro ES interior lock assembly on the door. Correct alignment is achieved when:

A. The red deadbolt knob slides over the deadbolt post so that it operates the deadbolt. (**Fig. 4**)

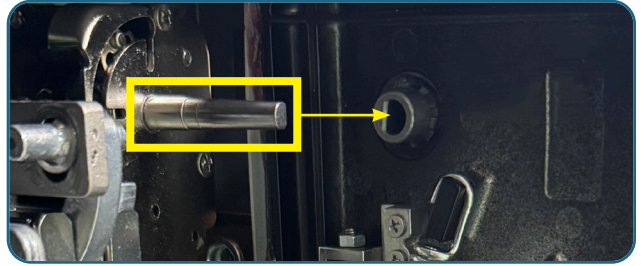


Fig. 4

B. The safety release slider is aligned with the safety release actuator arm on the exterior lock assembly. (**Fig. 5**)

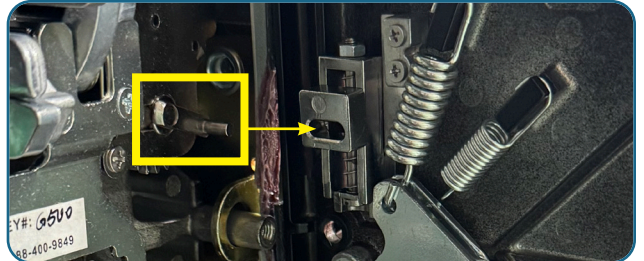


Fig. 5

C. The master cam of the door lock is aligned with the lever actuator arm on the rotary module. (**Fig. 6**)

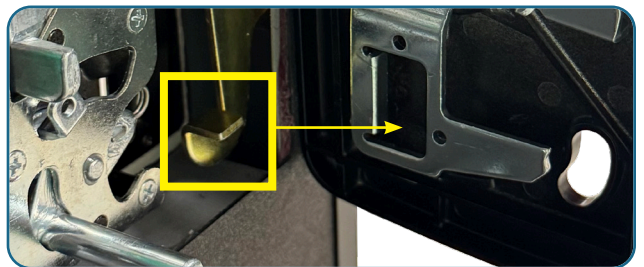


Fig. 6

D. The 3 screw posts on the interior housing align with the 3 screw bosses on the exterior housing. (**Fig. 7**)

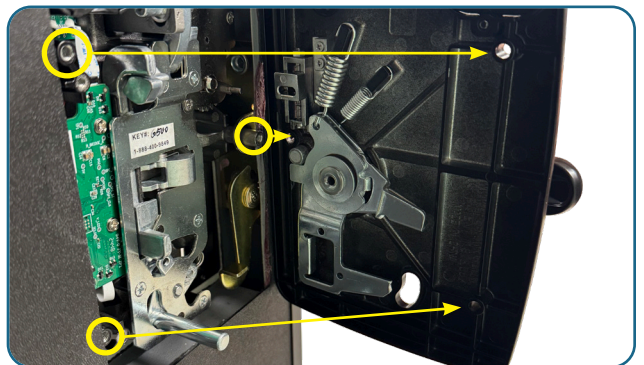


Fig. 7

4. Hand tighten the 3 screws to secure the lock housings. Do not overtighten screws. Use a #2 Phillips screwdriver to tighten screws to 16 inch-pounds in the following order: (**Fig. 8**)

- 1 Central screw by handle
- 2 Upper screw by battery compartment
- 3 Lower screw below handle.

Screw Tightening Order
(Tighten to 16 inch-pounds; DO NOT OVERTIGHTEN)

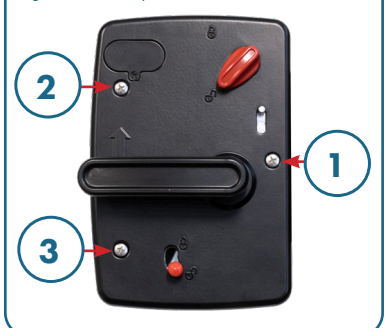


Fig. 8

CAUTION

Lockout may occur if door is closed and the lock is incorrectly aligned during installation.

5. Before closing the door:

- Ensure both exterior and interior handles operate and trigger the latch assembly.
- The red deadbolt lever operates the deadbolt smoothly.
- The emergency release slider operates.
- The exterior handle lock functions.

Operation Instructions

To lock the door (Keypad)

1. Press and hold the star (★) key for 1 second, and then release it. Two descending beeps indicate success.

To unlock the door (Keypad)

1. Press the (★) key to wake the keypad.
2. Enter the factory default PIN (printed on a label affixed to the inside handle of the lock) or the current customer PIN. Then press the star (★) key. Two ascending beeps indicate success. **Note:** If 4 quick beeps sound, the PIN was incorrect; enter the correct PIN. If an incorrect PIN is entered twice, the keypad goes to sleep; wake the keypad to try again.

ATTN: If the External Handle Lock (on the back plate) is in the "Locked" position, keypad will not be able to unlock the door.

To add or change the PIN

1. Unlock the door lock.
2. Press the (★) key to wake the keypad.
3. Press and hold the 9-0 key for 3 seconds until the lock beeps twice.
4. Enter the factory default PIN or the current user PIN. Then press the star (★) key. Two beeps indicate a correct PIN.
5. Enter the new PIN. Three varied beeps indicate a new PIN was entered.
6. Enter the new PIN again to confirm. Three varied beeps indicate success. If you enter an incorrect digit, press the star (★) key and re-enter the PIN.

To change the battery

1. Use a #1 Phillips screwdriver to loosen the captive battery compartment screw* on the interior of the lock. Do not completely remove the screw.
2. Lift off the battery compartment cover.
3. Slide out the battery holder.
4. Remove the old battery from the battery holder. **Note:** Dispose of the old batteries according to local regulations.
5. Insert two new batteries in the correct orientation (shown on the battery holder).
6. Slide the battery holder into the lock.
7. Position the battery compartment cover over the battery compartment, aligning the screw hole. Tighten the screw to secure the battery compartment cover. Two beeps indicate the lock has powered on.

To lock/unlock the door (From Inside)

1. Rotate the red deadbolt lever to lock and unlock the door from the inside. **Note:** The deadbolt lever locks the exterior handle when in the locked position.
2. Exterior handle lever may be thrown for extra security. **Note:** The Global Link Master key operates the handle lever when used in the exterior handle lock.

Restoring Factory Settings

1. Unlock the door lock.
2. Press the (★) key for 15 seconds until the lock sounds 2 beeps.
3. Enter the factory default PIN or the current user PIN. 3 varied beeps success. **Note:** If 4 quick beeps sound, the PIN was incorrect; enter the correct PIN.

Beeps Summary

- 1 Short Beep Keypress
- 2 Beeps Factory default PIN or user PIN entered or power on successful (Ex. After changing batteries)
- 2 Beeps (after 3 second hold of star (★) key) Programming mode entered
- 2 Beeps (after 15 second hold of star (★) key) Factory reset PIN prompt
- 2 Ascending Beeps Unlocking successful
- 2 Descending Beeps Locking successful
- 3 Varied Beeps New code entered / Programming successful / Reset successful
- 4 Beeps Incorrect PIN entered
- 4 Rapid Beeps Internal deadbolt mechanism obstruction (requires service)
- 4 Quick, Descending Beeps Low battery

Deadbolt Lock

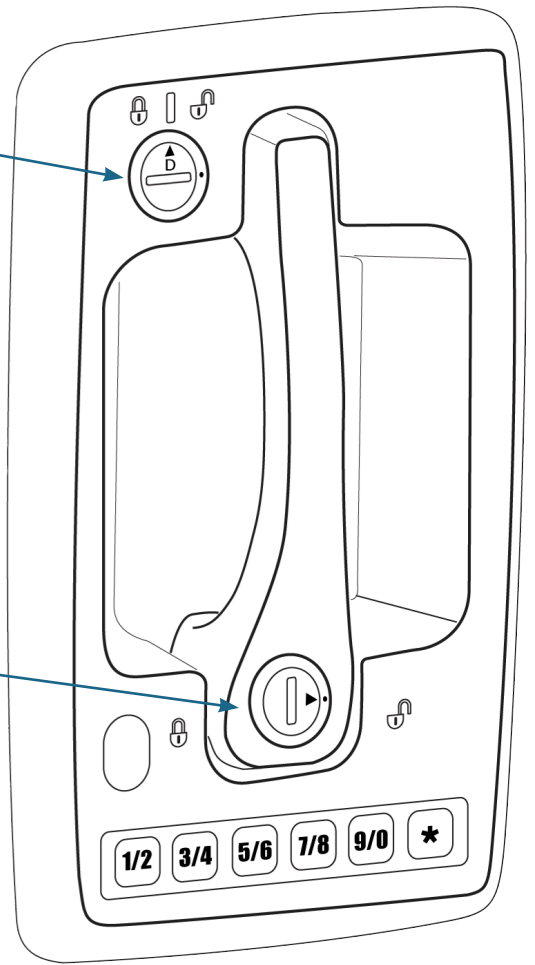
(Cylinder shown in neutral position)

Note: Key will extract when cylinder is in the neutral position signified by the alignment of the cylinder face mark and the cylinder housing mark.

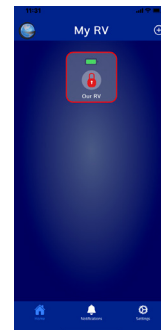
Handle Lock

(Cylinder shown in neutral position)

Note: Key will extract when cylinder is in the neutral position signified by the alignment of the cylinder face mark and the cylinder housing mark.



GLOBAL LINK CONNECT APP



Global Link Connect

for Global Link Ultra ES Pro Smart Lock

Quick Start Guide

To pair the app and lock

1. Download Global Link Connect from the App Store or Google Play to your smartphone or tablet.
2. Make sure the Bluetooth setting is enabled, the Location Services setting is enabled, and Airplane Mode is turned off on your smartphone or tablet.
3. Start the app and follow the on-screen instructions to complete pairing.

To lock or unlock the door

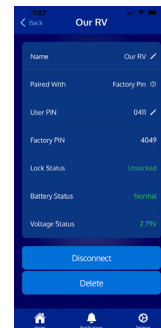
From the home screen, tap the lock's padlock icon to lock or unlock the door.

- A green, unlocked padlock indicates the door is unlocked.
- A red, locked padlock indicates the door is locked.

To add or change the PIN

Important: When using Global Link Connect, always program the user PIN from the app so the correct user PIN is recorded in the app.

1. Press and hold the lock's padlock icon on the home screen.
2. Tap the pencil icon next to the User PIN field.
3. Enter the new PIN.
4. Tap Save.



Global Link Connect

for Global Link Ultra ES Pro Smart Lock

Quick Start Guide

To check a lock's status

1. Open the app or tap Home to go to the home screen. The lock's icon shows its current status:

- **Red, locked padlock:** Door is locked.
- **Green, unlocked padlock:** Door is unlocked.
- **Green battery icon:** Battery is normal.
- **Red battery icon:** Battery is low.
- **Grayed-out padlock and battery icon:** Lock is disconnected from the app.
- **3 animated dots:** App is currently connecting to the lock.

2. To refresh lock status information, swipe down on the home screen.

3. Press and hold a lock's padlock icon to view detailed information.

To reconnect the app to the lock

From the home screen, tap the lock's grayed out padlock icon. When connected, the lock's padlock icon appears red (locked) or green (unlocked).

Limited Warranty: For warranty information, visit www.cpgbbrands.com.

01/2025 www.cpgbbrands.com

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Issue	Possible Causes	Solution
User PIN does not lock or unlock the door	PIN is incorrect	Confirm the correct PIN or use the factory default PIN.
	Star (*) key was not pressed to wake the keypad before entering the PIN	Press the star (*) key to wake the keypad and then enter the 4-digit PIN.
	User PIN was erased	Use the factory default PIN to reprogram the user PIN.
	Exterior Handle Lock is in the locked position	Use key to unlock handle cylinder.
Lock does not pair with app	Bluetooth is not enabled for the mobile device	Enable Bluetooth for the mobile device and attempt to pair again.
	Location Services are not enabled for the mobile device	Enable Location Services for the mobile device and attempt to pair again.
	Airplane Mode is turned on for the mobile device	Turn off Airplane Mode for the mobile device and attempt to pair again.
	Lock was not detected by the app	Move near the lock and attempt to pair again. Make sure the door is locked before pressing and holding the star (*) key for 5 seconds until the keypad light flashes.
	App lost connection with the lock during pairing	Move near the lock and attempt to pair again.
	App cache is corrupted on the mobile device	For iOS devices, close and reopen the app. Then attempt to pair again. For Android devices, close the app, manually clear the cache from the app info menu, and reopen the app. Then attempt to pair again.
Lock does not respond to app	Mobile device is too far away from the lock	Move closer to the lock or away from obstacles between the mobile device and lock.
	App is disconnected from the lock	Make sure the lock's battery power is not low. Then on the app's home screen, tap the lock's grayed-out padlock icon to reconnect the app to the lock.
	App experienced a problem	For iOS devices, close and reopen the app. For Android devices, Force Stop the app and then reopen it.
	User PIN was changed at the lock	Restore the lock's factory settings. Then re-Pair the app with the lock.
	Lock had been paired with the user PIN and subsequently restored to factory settings	Remove the lock from the app. Then re-Pair the app with the lock using the default factory PIN.
Lock status in the app does not seem to match the actual lock status	App lost connection with the lock	Swipe down on the home screen to refresh lock status information.
	Red deadbolt lever was used to lock the door from the inside	Swipe down on the home screen to refresh lock status information.
Keypad does not respond to key presses	Batteries have died or are installed improperly	Use the key to open the door and then replace both batteries.
Keypad light flashes when keypad is activated	Battery power is low	Replace both batteries.
Lock sounds 4 quick, descending beeps when a key is pressed	Battery power is low	Replace both batteries.
Deadbolt does not latch	Lock is installed incorrectly	Refer to the installation instructions and reinstall the lock.
	Obstruction in door is blocking the deadbolt	Remove the lock, clear the obstruction in the door, and reinstall the lock.
	Obstruction is blocking the deadbolt lever	Clear the obstruction blocking the deadbolt lever.
Door does not lock using the keypad	Batteries are low or have died	Change both batteries.
	Obstruction is blocking red deadbolt lever	Clear the obstruction blocking the deadbolt lever.
Lock does not enter PIN programming mode	Lock is locked	Use the keypad or app to unlock the door before pressing and holding the 9-0 key for 3 seconds until the lock beeps twice.
Lock does not complete factory reset	Lock is unlocked	Use the keypad or app to lock the door before pressing and holding the star (*) key for 15 seconds until the lock beeps twice.
Lock sounds 4 rapid beeps after PIN entry	Deadbolt mechanism obstruction or failure	Remove backplate and inspect deadbolt components. Refer to Fig. 1 in the Preparation instructions.

