



EXCALIBUR

RF-50-EDP

Deluxe 2-way OEM Upgrade & Range Extender



October 25, 2012

Operation Guide



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Controller & Transmitter Overview

THE 2-WAY CONTROLLER

Controller part number: 154-03

- 1) **LCD Display:** Displays all controller functions as well as the status of your system.
- 2) **Control Buttons:** Lock, Unlock, Trunk Release, Remote Start
- 3) **Programming Button:** This configures the controller's features.

Battery Type: CR2032 (two required)



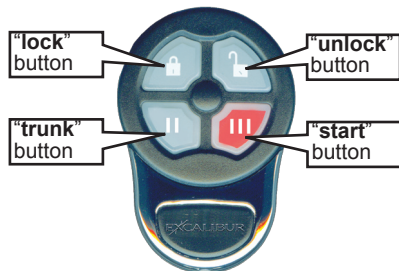
THE 1-WAY TRANSMITTER

Transmitter part number: 148-03

Call your dealer or visit www.caralarm.com to order replacement transmitters.

Transmitter battery replacement:

Remove the small screw from the lower back case, and separate the transmitter halves. Replace the two **CR2016** batteries and reassemble the transmitter case.



NOTE: This system will also respond to the lock, unlock, and trunk commands from your factory keyless entry remote on compatible vehicles.



Controller & Transmitter Functions

LOCK / ARM: Press and release the “LOCK” button.



- THE VEHICLE DOORS WILL LOCK AND THE STATUS LIGHTS WILL FLASH RED.
- UPON RECEIVING CONFIRMATION FROM YOUR SYSTEM, THE CONTROLLER WILL SHOW THE LOCK/ARM ICON AND BEEP ONCE

NOTE: PRESSING LOCK TWICE IN 5 SECONDS STARTS THE PARKING TIMER. THE CLOCK WILL CHANGE TO 0:00 AND START COUNTING IN MINUTES & HOURS.

(1-WAY TRANSMITTER: PRESS THE LOCK BUTTON)

UNLOCK / DISARM: Press and release the “UNLOCK” button.



- THE DRIVER'S DOOR WILL UNLOCK (IF ENABLED), PRESS AGAIN TO UNLOCK ALL OTHER DOORS.
- UPON RECEIVING CONFIRMATION FROM YOUR SYSTEM, THE CONTROLLER WILL SHOW THE UNLOCK/DISARM ICON AND BEEP TWICE.

(1-WAY TRANSMITTER: PRESS THE UNLOCK BUTTON)



Controller & Transmitter Functions (cont'd)

TRUNK RELEASE: Press & hold the “TRUNK” button for 3 seconds.



- THE SYSTEM WILL DISARM AND THE TRUNK WILL OPEN (IF EQUIPPED).
- UPON RECEIVING CONFIRMATION FROM YOUR SYSTEM, THE CONTROLLER WILL PLAY THE TRUNK RELEASE ANIMATION AND BEEP TWICE

(1-WAY TRANSMITTER: PRESS AND HOLD THE “P” BUTTON FOR 3 SECONDS)

REMOTE START: Press and release the “*” button twice within 5 seconds.
(see programmable feature #5 for additional options)



- THE VEHICLE'S ENGINE WILL START AND THE STATUS LIGHTS WILL FLASH SLOW GREEN.
- UPON RECEIVING CONFIRMATION FROM YOUR SYSTEM, THE CONTROLLER WILL PLAY THE REMOTE MELODY AND THE CLOCK WILL CHANGE TO 0:00 TO START THE REMOTE START TIMER. IT WILL TIME HOW LONG THE ENGINE RUNS IN MINUTES & HOURS.

(1-WAY TRANSMITTER: PRESS THE “P” BUTTON TWICE IN 5 SECONDS)

- Each time you park, set the climate controls to give you the desired interior temperature when you use the remote start.



Controller & Transmitter Functions (cont'd)

PANIC: Press & hold the “LOCK” or “UNLOCK” button for 3 seconds.



- THE HORN WILL SOUND AND THE DOORS WILL LOCK OR UNLOCK DEPENDING WHICH BUTTON IS PRESSED.

NOTE: PANIC MAY NOT BE AVAILABLE ON ALL VEHICLES

- PRESS LOCK OR UNLOCK AGAIN TO CANCEL PANIC MODE

(1-WAY TRANSMITTER: PRESS AND HOLD THE LOCK OR UNLOCK BUTTON FOR 3 SECONDS)

LOW VOLTAGE/TEMP AUTO START: Press and release the “*” button within 5 seconds of locking/arming the system.



- THE SYSTEM WILL GIVE ONE CHIRP TO INDICATE THE LOW VOLT/ LOW TEMP(15 DEGREE) AUTO-START IS ACTIVATED. SEE PAGE 8 FOR MORE INFO.

- UPON RECEIVING CONFIRMATION, THE CONTROLLER WILL CHIRP ONCE AND THE CLOCK WILL READ “RS AUTO” EVERY 5 SECONDS.

(1-WAY TRANSMITTER: PRESS AND RELEASE THE “START” BUTTON WITHIN 5 SECONDS OF ARMING THE SYSTEM)



Controller & Transmitter Functions (cont'd)

AUXILIARY FUNCTIONS 1-4:

The actual operation of these functions will vary from car to car. They are designed to operate extra vehicle functions like automatic sliding doors or motorized hatches. Aux 1-4 are virtual outputs only available on certain vehicles when this system is integrated with the vehicle's data network. Consult with your installer to find out if any of these functions are available for your vehicle. If so, confirm each operation with the controller and write each function in the blank spaces provided below.

- **Auxiliary 1 Function** (): To activate this function, press and release the "trunk" and "start" buttons simultaneously for 1 second).
- **Auxiliary 2 Function** (): To activate this function, press and release the "lock" and "trunk" buttons simultaneously for 1 second).
- **Auxiliary 3 Function** (): To activate this function, press and release the "unlock" and "start" buttons simultaneously for 1 second).
- **Auxiliary 4 Function** (): To activate this function, press and release the "unlock" and "trunk" buttons simultaneously for 1 second).



Other Remote Start Features

LOW BATTERY/LOW TEMP AUTOMATIC STARTING

This feature will automatically start the engine if the vehicle battery drops below 11 volts or the interior temperature drop to 15 degrees fahrenheit. You must activate these features each time you park your car to use them. They can be activated one of two ways:

Method 1 - Valet Switch

- Turn the ignition switch “on”, then “off” (engine not running), and within 7 seconds press the valet switch twice. If there is a 2 second delay without additional valet button presses, the antenna will beep 2 times activating low voltage start mode.
- To activate low temp starting, enter low voltage start mode as described above but, after the antenna beeps twice, press the valet switch 1 time (15 degrees) or 2 times (32 degrees) within 5 seconds. The antenna will beep to confirm your selection.

Method 2 - With The Controller

- Within 5 seconds of pressing LOCK, press the START button. You will get one beep from the antenna and the clock on the 2-way controller will read between “RS AUTO” once every 5 seconds.

NOTE: When low temp start mode is activated, low voltage start is also activated. These features will operate once every two hours until the ignition key is turned “ON”.

PIT-STOP FEATURE

This feature allows you to leave your engine running for making quick errands. To use this feature, have the engine running normally from the ignition switch and your foot off the brake pedal. Press the Valet Switch twice; the antenna will beep 5 times. Turn the key off and the engine will remain running for the programmed run time. You can lock your vehicle with the controller to keep it secure while away.



Security System Features

LAST DOOR LOCKING/ARMING

This system can be configured to arm automatically when all the vehicle's doors are closed (see programmable feature #2). When all of the doors are closed after driving the vehicle, it will start a 30 second countdown (indicated by a fast flashing status light). After 30 seconds, the system will arm (and lock the doors if configured to do so). During the 30 second arming delay, if a point of entry is opened, the countdown will pause until all entry points are closed again. Turning ON the ignition key will cancel the last door arming sequence until the key is turned off and the doors are all closed once again.

AUTOMATIC RE-LOCKING

This automatically re-locks the doors if the system is disarmed from the remote. (see programmable feature #3). When unlocked by remote, the system will start a 90 second countdown (fast flashing red status light) to re-lock the system. This is useful if the controller accidentally unlocks the system when it's kept in a purse or pocket where other items could potentially press the buttons. ENHANCED AUTO RE-LOCK allows you to cancel the countdown by pressing UNLOCK a second time within 5 seconds.

2-WAY TRIGGER ALERTS

When the system is locked/armed, it will monitor the vehicles entry points (if the vehicle supports this feature). If the door, trunk, or hood are opened, it will alert you on the 2-way controller and show the icon of the violated zone.



Using The Valet Switch

The valet switch is a push button built into the window mount antenna. It is used to perform emergency override and system programming (see inside of back cover for programming).

EMERGENCY OVERRIDE

If you were to lose or break your controller, you'd need to perform an emergency override to disarm the system. To do so, use the following steps:

STEP 1 - Enter the vehicle (the alarm may sound)

STEP 2 - Turn the ignition key to the "ON" position

STEP 3 - Press the valet switch (located in the window-mount antenna) once

STEP 4 - Turn the ignition "OFF".

The Status Light

The status lights, located in the window-mount antenna, provide a visual indication of the system's status via GREEN (remote start status) and RED (alarm status) lights.

SECURITY SYSTEM STATUS (RED LIGHT):

OFF: The system is unlocked and not performing any automatic functions.

FLASHING SLOW: The system is locked and monitoring all entry points.

FLASHING FAST: One of the automatic arming features is in progress.

AUTOMATIC TRANSMITTER VERIFICATION (RED LIGHT):

Every time you turn on the ignition key, the status light will flash a number of times equal to the number of controllers/transmitters programmed to the system. This unique security feature protects you from a potential thief (valet attendant, mechanic, installer, etc.) adding their own transmitter without and accessing your vehicle and it's contents at a later time (the perfect crime!).



The Status Light (cont'd)

ZONE VIOLATION RECALL (RED LIGHT):

If a zone is violated while the system is locked/armed, the RED status lights will flash a number of times to indicate exactly which zone(s), has been violated. It will store the last 2 violated circuits and continually repeat the flash pattern until the system is disarmed & the ignition key is turned ON.

2 FLASHES: Hood trigger

3 FLASHES: Door trigger

REMOTE START STATUS (GREEN LIGHT):

OFF: The remote start is off and in standby mode.

FLASHING SLOW: Remote start is activated.

COMBINATION INDICATIONS:

This indication reflect combinations of functions involving the security system AND remote start.

FAST ALTERNATES GREEN/RED: System locked w/ remote start activated.

Multi-Car Operation (2-way controller only)

When controlling 2 systems, the controller will receive all status updates on the currently selected vehicle and will receive only trigger alerts for the 2nd vehicle. Use these steps to change vehicles:

SELECTING CAR #1 OR CAR #2

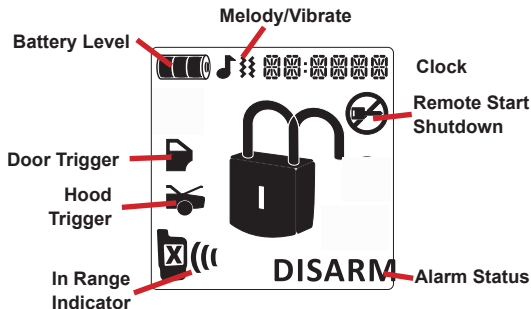
Vehicle #1: Press the "P" and "LOCK" buttons for 1 second to select Car #1. The controller will beep/vibrate once and the clock will change to "CAR 1".

Vehicle #2: Press the "P" and "UNLOCK" buttons for 1 second to select Car #2. The controller will beep/vibrate twice and the clock will change to "CAR 2".



Controller Options

LCD SCREEN ICONS



IN-RANGE INDICATOR

All primary commands sent to the system have a confirmation response that is sent to the controller to indicate that the command was successful. If the command is successful, the icon will not display the "X" in the middle of the icon. If no response is received within a few seconds, the "X" will be displayed indicating that you may be out of range of your system.

SELECTING MELODY & VIBRATE MODES

Whenever 2-way alerts are received from the system, the controller can alert you with a melody, vibration, or both. By default, the controller is set for melody only. **Press the "P" and "TRUNK" buttons simultaneously for 1 second to change the setting.** The melody & vibrate icons on the status screen will turn on & off indicating your selection.



Controller Options (cont'd)

SETTING THE CLOCK

- 1) Press the “P” button for 5 seconds to access the controller features. The controller will beep twice.
- 2) Press and release the “P” button once to select the clock (hour digits will flash).
- 3) Press the “TRUNK” button to scroll up or the “✱” button to scroll down.
- 4) Press the “P” button to switch to the minute digits.
- 5) Press the “TRUNK” button to scroll up or the “✱” button to scroll down.
- 6) Wait 15 seconds or press the “P” button to exit programming. The controller will beep once.

CHANGING REMOTE START MELODIES

The controller has 5 different melodies to choose from for remote start ON and 5 melodies for remote start OFF confirmation.

- 1) Press the “P” button for 5 seconds to access the controller features. The controller will beep twice.
- 2) Press and release the “P” button 3 times to select the melody settings. The clock will change to “S 1” indicating “start melody #1” for the remote start ON melody.
- 3) Press the “TRUNK” button or the “✱” button to scroll through the melodies.
- 4) Press the “P” button to switch to the remote start OFF melody selection.
- 5) Press the TRUNK button or the “✱” button to scroll through the melodies.
- 6) Wait 15 seconds or press the “P” button to exit programming. The controller will beep once.

BUTTON LOCK

You can lock the buttons on the controller to prevent accidental button presses. To lock the buttons, press “P” and “✱” simultaneously for 1 second. Repeat this to unlock the buttons.



Controller Options (cont'd)

PARKING TIMER & REMOTE START TIMER

The controller has 2 convenient timer functions. The PARKING TIMER tells you how long you've been parked in case you are at a parking meter or other parking areas with time restrictions. The REMOTE START TIMER tells you how long your engine has been running in remote start mode.

PARKING TIMER: Press LOCK twice within 5 seconds. When the controller receives both LOCK confirmations, it will start the timer.

REMOTE START TIMER: This turns on every time you remote start.

Note: Pressing the “P” during either timer mode will switch between the timer and clock.

Programming Controllers/Transmitters

Standard Programming: Before you begin, have all transmitters which are to operate the system at hand and make sure the correct vehicle profile (see page 11) is selected on the controller(s).

Step 1 Then, turn the ignition “on”.

Step 2 Within 5 seconds of Step 1, press the Valet Switch 5 times. The antenna will beep, confirming that the system is ready to learn a transmitter code.

Step 3 Press the “lock” button on each transmitter one at a time. The antenna will beep once to confirm that each controller was learned. If a code is not received within 10 seconds of Step 2, the learning process will automatically exit.



Programming Features

Step 1 Turn the ignition key “ON”, then “OFF”

Step 2 Within 5 seconds of step 1, press the valet switch 5 times to access user features (10 times to access installer features).

~ The antenna will beep and the status light will turn on.

Step 3 Within 10 seconds of step 2, press the valet switch the number of times corresponding with the desired feature's number.

~ The antenna will beep, equal to the selected feature.

Step 4 Change the feature by pressing the transmitter button that corresponds with the desired setting. The antenna will beep to correspond with the chosen setting.

Programmable Features

Feature #1 - Ignition Controlled Lock/Unlock

Lock And Unlock w/ Ignition (press “**lock**” button to program)

Lock w/ Ignition On (press “**unlock**” button to program)

Unlock w/ Ignition Off (press “**trunk**” button to program)

Off (press “**start**” button to program) - **DEFAULT**

This feature controls the lock/unlock operations when the ignition key is turned on/off,

Feature #2 - Last Door Locking

On (press “**lock**” button to program)

Off (press “**unlock**” button to program) - **DEFAULT**

“Last Door Locking” has the system automatically lock itself every time you exit the vehicle (the complete operation is described on page 9).



User Programmable Features (cont'd)

Feature #3 - Automatic Re-locking

On (press “**lock**” button to program)

Off (press “**unlock**” button to program) - **DEFAULT**

Enhanced (press “**trunk**” button to program)

“Automatic Re-locking”, described on page 9, re-locks the alarm if accidentally unlocked. Enhanced auto re-lock allows you to cancel the rearming sequence by pressing unlock a 2nd time within 5 seconds.

Feature #4 - Trunk Release Also Unlocks The Doors

On (press “**lock**” button to program) - **DEFAULT**

Off (press “**unlock**” button to program)

When turned on, configures the system to also unlock the doors when trunk release is used.

Feature #5 - Remote Start Activation

Press “start” button 1 time (press “**lock**” button to program)

Press “start” button 2 times (press “**unlock**” button to program) - **DEFAULT**

Press “start” button 3 times (press “**trunk**” button to program)

Press “start” button 4 times (press “**start**” button to program)

This feature changes how the remote start feature is activated using the controller or transmitter.



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Programmable Features Matrix

Feature Programming: Ignition on, off, press valet 5 times

# Feature	Lock Button	Unlock button	Trunk button	"START" button
1 Ignition Lock/Unlock	On	Lock only	Unlock only	Off
2 Last Door Locking	On	Off		
3 Automatic Relocking	On	Off	Enhanced	
4 Unlock w/ Trunk Release	On	Off		
5 Remote Start Activation	1 press	2 presses	3 presses	4 presses



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

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.



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