

*This product is designed for professional installation only!*

EXHIBIT : 2

Omega Research & Development  
 JOB #: 418BZ0  
 FCCID: L2MREC-11

# OWNER'S MANUAL

## REMOTE RECEIVER UNIT

### REC-11

RESEARCH AND DEVELOPMENT, INC.



## REC-11 Operating Instructions Introduction

The REC-11 is a fully-featured Remote Keyless Entry System with Starter Disable designed by Omega Research and Development, a leader in vehicle security and convenience systems since 1970. Please note that this advanced personal convenience system has Programmable Features which can be configured by the installer. These instructions describe operations of the system with the factory default settings of the Programmable Features. Please see your installing dealer for more details on Programmable Features.

To learn how to operate your system, this Owner's Operation Manual will begin with Transmitter Functions, then explain the system's other operations as enhanced by the factory-set Programmable Features. As you become more familiar with the basic operations that this model performs, this Manual will further discuss the User Programmable Features, and then explain how change them to configure the system to suit your personal needs.

## Automatic Transmitter Verification™

You received two remote control transmitters to operate your Remote Keyless Entry System. The system LED will flash two times every time the ignition key is turned "on" This alert will last 90 seconds for the first 48 hours after a new installation. The alert will shorten to 10 seconds after the first 48 hours. If a new remote is coded into the system the alert will again be 90 seconds for 48 hours. This Patented feature alerts you if someone has covertly added an unauthorized transmitter to your system, and is found only in Omega Research and Development products.

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.

**LIMITED LIFETIME WARRANTY**

Products manufactured and sold by OMEGA RESEARCH & DEVELOPMENT, INC. (the Company), are warranted to be free from defects in materials and workmanship under normal use. If a product sold by the Company proves to be defective, the Company will repair or replace it free of charge within the first year and thereafter all parts shipping, to the original owner during the lifetime of the car in which it was originally installed. All products for warranty repair must be sent postage prepaid to Omega Research & Development, Inc., P.O. Box 508, Douglasville, Georgia 30133, with bill of sale or other dated proof of purchase. This warranty is nontransferable and does not apply to any product damaged by accident, physical or electrical misuse or abuse, improper installation, alteration, any use contrary to its intended function, unauthorized service, fire, flood, lightning, or other acts of God. This warranty limits the Company's liability to the repair or replacement of the product. The Company shall not be responsible for removal and/or reinstallation charges, damage to or theft of the vehicle or its contents, or any incidental or consequential damages caused by any failure or alleged failure of the product to function properly. Under No Circumstances Should This Warranty, Or The Product Covered By It, Be Constructed As A Guarantee Or Insurance Policy Against Loss. The Company neither assumes nor authorizes any person or organization to make any Warranties or assume any liability in connection with the sale, installation, or use of this product.

## Transmitter Functions

**"LOCK" BUTTON**  
 Pressing the LOCK button will lock all of the doors and engage the optional starter interrupt; when held operates "Panic".

**"II" BUTTON**  
 Pressing the II button for 2 seconds will activate remote trunk release (vehicle must be equipped with power trunk release). This operation also unlocks the doors. Your system may be configured to lock your doors upon turning the ignition "On", and unlock them when the ignition is turned "Off". Your system is capable of being operated by up to four transmitters, which are available from where you purchased your system.

**GREEN LIGHT**  
 Illuminates whenever any transmitter button is pressed.

**"UNLOCK" BUTTON**  
 Pressing the UNLOCK button will unlock all of the doors and disengage the starter interrupt circuit. Or, if the system is thusly configured, pressing the UNLOCK button once unlocks only the driver's door and pressing a second time will unlock all of the doors. Press and hold to activate "Panic".

**"III" BUTTON**  
 Pressing the III button for two seconds can be used to activate the 3rd Channel Output. This Button may also be configured to activate the "Panic" feature.

## Transmitter Features

**Concealed Transmitter Codes:** Each system includes two transmitters, and up to two additional transmitters can be stored in the unit's memory for your convenience. Each transmitter has its own unique code. Thus, no other transmitter is coded the same as yours. In fact, no one, including the factory, can program another transmitter exactly like yours because the code is built inside the transmitter's microprocessor and cannot be seen or copied.

**Transmitter Code Jumping™:** Each time you press a transmitter button its signal will advance to the next digital code in sequence. Each time the keyless entry module receives the correct digitally encoded signal from your transmitter, the receiver will then advance to the next digital code in sequence to match the transmitter. Therefore, you can never transmit the same code twice, thereby preventing a code grabbing device from operating your system.

**Transmitter Battery Saver Feature:** Many times transmitter batteries are prematurely exhausted because the transmitter buttons are inadvertently pressed by objects while in a pocket or purse. The transmitter will turn itself "off" after a short period of continuous transmission, and thus prevent drained transmitter batteries.

## LED Status Light

The REC-11 includes a Red LED Status Light to inform you of the system's operational condition. Your system features a Starter Disable circuit, the status of which is also reflected by the Red LED Status Light. These are the conditions of the LED Status Light:

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turned "off" as a reminder. Single beeps will also accompany the engagement of automatic locking and starter interrupt circuit engagement. This confirmation can be from the included piezo or the vehicles' horn.

## Visual Confirmation

The REC-11 has built-in relays which illuminate the vehicle's parking and dome lights to provide a visual confirmation of the system's operations. The parking and dome lights will:

Flash Once ..... Doors have locked by using the transmitter.

Flash Twice Then Stay On 30 Seconds ..... Doors have unlocked by using the transmitter.

The parking and dome lights staying on for 30 seconds after the transmitter's use has unlocked the doors illuminates your way to the vehicle when dark and also allows inspection of the interior.

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LED Off ..... Ignition switch is "On" OR the system is "at rest", indicating that no automatic features will occur.

LED On Solid Red ..... System is in "Valet Mode".

LED Flashing Rapidly ..... An automatic function countdown is in progress.

LED Flashing Slowly ..... Starter Disable is engaged. This will occur whenever the transmitter is used to lock the doors. The Starter Disable may also be programmed to operate automatically.

LED Flashes 1 To 4 Times After Ignition "On" ..... Number of transmitters stored in the system. These four indicators are part of the Automatic Transmitter Verification™ feature.

## Audible Confirmation

The REC-11 includes a piezo buzzer for audible confirmation when a transmitter command is received: one beep acknowledges a LOCK command and two beeps acknowledge an UNLOCK command. If the system is in Valet Mode, the piezo buzzer will also beep once when the ignition is

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## The Valet Switch

The Valet Switch is used to place the system into Valet Mode, which is used to stop or interrupt any optional automatic functions, such as Starter Disable, which may be programmed to operate. The Valet Switch, in conjunction with your ignition key, also allows you to override the system in the event of a lost or damaged transmitter, leaving the vehicle for servicing, washing, or valet parking.

**Easy Valet™ Mode:** This feature allows you to activate the Valet Mode at any time by pressing the Valet Switch button for 2 seconds, unless the Starter Disable is engaged (this is indicated by a slow flashing Red LED Status Light). Please note that once the Starter Disable is engaged, the ignition switch must be turned "on" to enter the Valet Mode. When utilizing the Easy Valet™ Mode, upon pressing the Valet Switch, the Red LED Status Light will illuminate a steady, solid Red, and the piezo buzzer or horn will sound. If the Starter Disable is engaged the piezo or horn will emit 1 long chirp followed by 2 short chirps. If the Starter Disable is not engaged the piezo or horn will emit only the 2 short chirps. While the system is in the Valet Mode, the Red LED Status Light will remain solid Red (not flashing) at all times, and every time the ignition switch is turned "off", the piezo or horn will beep once as a reminder of this condition. To remove the system from Valet Mode simply press the Valet Switch at any time. The transmitter will operate normally while the system is in Valet Mode, i.e., the doors will lock and unlock, the II & III Buttons will still operate - but the Starter Disable will not operate, and any programmed automatic functions are suspended.

**Overriding The System:** As mentioned in the previous section, once the Starter Disable is engaged, the ignition key is required to allow the Valet Switch to override the system and allow starting the engine. To obtain a System Override, follow this procedure:

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