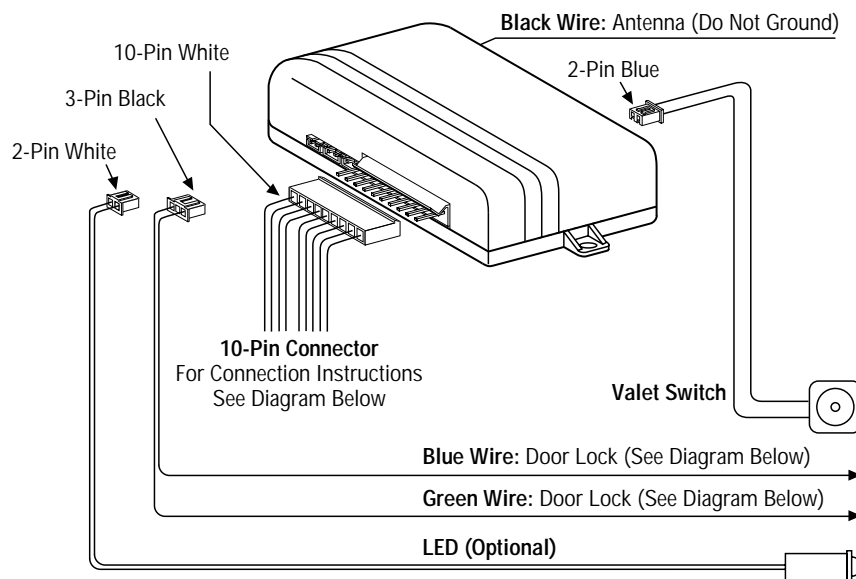




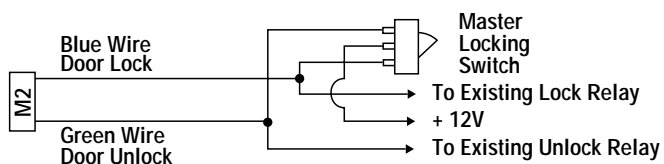
# M2 Owner's & Installation Manual

For technical assistance, please call (800) 638-3600,  
or visit [www.magnadyne.com](http://www.magnadyne.com)

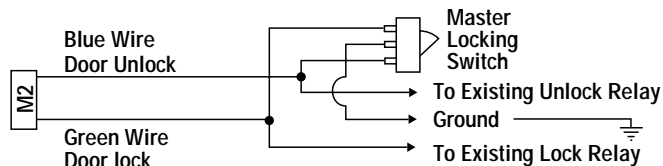
## Wiring Diagrams



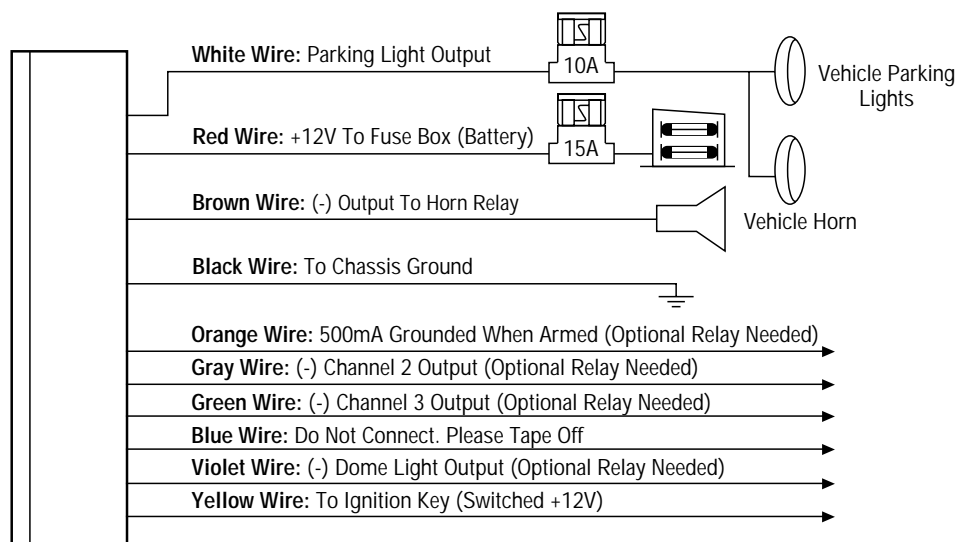
### Positive 3-Wire Door Lock System



### Negative 3-Wire Door Lock System

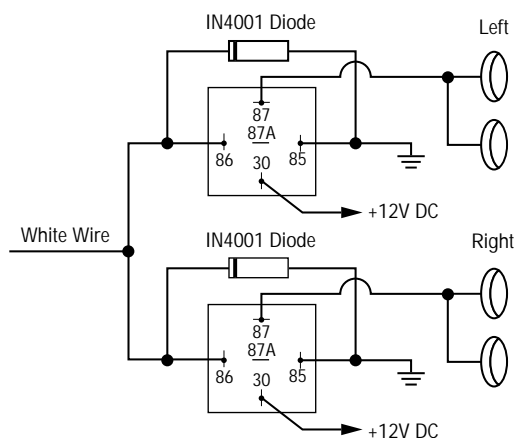


### 10-PIN Connection

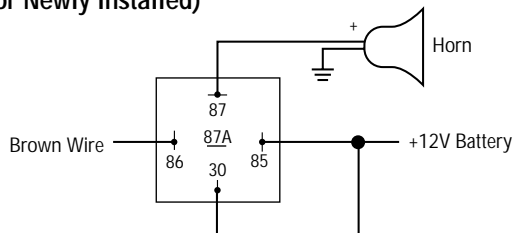


## Optional Relay Wiring

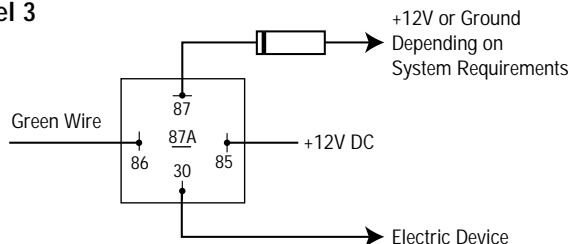
### Parking Light (Dual Relay, European Vehicles Only)



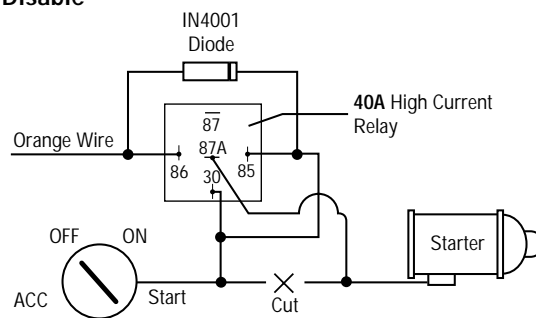
### Horn Output (Relay is Existing in Vehicle or Newly Installed)



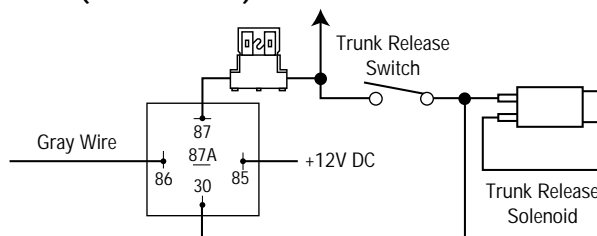
### Channel 3



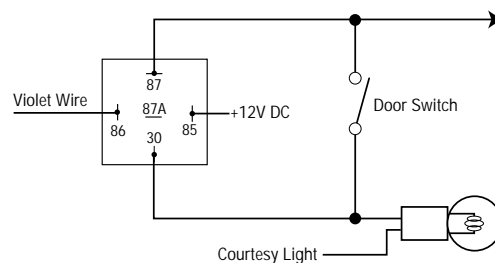
### Starter Disable



### Channel 2 (Trunk Release)



### Dome Light



## Programming

### A. TRANSMITTERS

A maximum of 4 transmitters can be programmed to function with this unit. There are two modes of programming. One is Designated Channel, (Button 1 is door lock/unlock), the other is the Auto Channel. (Button 1 is door lock, Button 2 is door unlock).

#### 1. Turn Ignition the "On" Position.

Push valet switch 3 times to enter the Designated Channel, or push valet switch 6 times to enter the Auto Channel. You will hear one long chirp and one short chirp for the Designated Channel, or two long chirps and one short chirp for the Auto Channel.

#### 2. Program Transmitters:

Press any button on first transmitter. One short chirp will confirm that it is programmed. Press any button on second transmitter. Two short chirps will confirm that it is programmed. Apply the same procedure to program a third and fourth transmitter. Three and four chirps respectively will confirm that the transmitters are programmed.

#### 3. Exit:

Turn the ignition to the "Off" position, or leave it for 10 seconds. Three long chirps to confirm exit.

Note: If more than 4 transmitters are programmed with this unit, only the last 4 transmitters programmed will function with this unit.

### B. PROGRAMMING SYSTEMS FEATURES

The M2 has 6 features that are programmable. To program these features, repeat the following procedures.

1. Turn the ignition key "On" then "Off". Within 10 seconds, press the valet switch 6 times. The horn will sound one long beep to confirm you are in the feature programming mode.
2. Select the feature you want to program by pressing the valet switch the number of times indicated in the "Feature Number" of the chart enclosed. The horn will beep the same number of times you pressed the valet switch to confirm your selection.  
Note 1: If the optional LED indicator has been installed, it will

also flash the same number of times the valet switch was pressed to confirm the selection.

**Note 2:** Feature selection is sequential. For example, if you press the valet switch 3 times to select the passive/active operation feature, when you are finished programming that feature you can press the valet switch one more time to select the “disarm parking lights on” feature to program. Listen for the beeps and watch the LED indicator (if installed) to confirm the selection.

3. Once the feature you want to program has been selected, rotate the ignition key to the position indicated on the enclosed chart to set the feature. When the feature has been turned “On”, the horn will beep once. When the feature is turned off, the horn will beep twice. Refer to the chart enclosed.

**Note:** In order to program some features, you will have to set the ignition key to the “On” position and then to the “Off”

position to get the feature programmed correctly.

4. When you are finished setting all the programmable features, you can do nothing for 15 seconds and the system will exit the feature programming mode. You can also press one of the buttons on the transmitter and force exiting the feature programming mode. The vehicle horn will beep 3 times when you are out of the feature programming mode.

Feature Number	Chirp/LED Confirmation	Turn Ignition from “Off” to “On”	Turn Ignition from “On” to “Off”
		1 Short Chirp Feature “On”	2 Short Chirps Feature “Off”
1	1	Ignition On/Off, Door Lock/unlock	No
2	2	Auto Activating Door Locks	No
3	3	Doors Locked with Transmitters	Doors Locked with Built-in Timer
4	4	After Unlock, Parking Lights Stay On or 30 sec.	Feature is Off
5	5	Door Lock/Unlock 0.9 Sec. Timer	Door Lock/Unlock 3.6 Sec. Timer
6	6	2-Pulse Unlock Off	2-Pulse Unlock On

**2-Pulse Unlock Off/On Note:**

**Set Off:** For most vehicles that require only single pulse to unlock the doors.

**Set On:** For some vehicles that require two pulses to unlock the doors.

## Operations

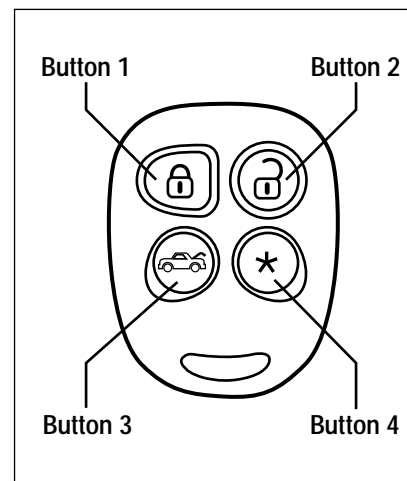
### A. TRANSMITTER OPERATION

#### Designated Channel (4 Button Transmitter)

Transmitter Button	System Function	Remark
Button 1	Lock Door or Unlock Door	
Button 1	Panic Function	Press for 3 Seconds
Button 2	Pop Trunk Release/Channel 2 Output	Press for 2 Seconds
Button 1 & 2 (Both)	Silent Door Lock/Unlock	
Button 3	Channel 3 Output	
Button 4	Car Finder	

#### Auto Channel (4 Button Transmitter)

Transmitter Button	System Function	Remark
Button 1	Lock Door	
Button 1	Panic Function	Press for 3 Seconds
Button 2	Unlock Door	
Button 1 & 2 (Both)	Silent Door Lock/Unlock	
Button 3	Pop Trunk Release/Channel 2 Output	Press for 2 Seconds
Button 4	Channel 3 Output	



## Operations (continued)

### B. LED INDICATORS (when installed)

LED	Function
Off	System Off
Slow Flashing	Doors Locked
Fast Flashing	Lock Timer Countdown
On (Solid)	Valet Mode

### C. CHIRP INDICATORS

Chirp	Function
1 Chirp	Door Lock
2 Chirps	Door Unlock
6 Chirps	Car Locator

### D. PARKING LIGHTS

Parking Light	Function
1 Flash	Door Lock
2 Flashes	Door Unlock
12 Flashes	Car Locator
Flash 30 Seconds	System Panic

### E. OVERRIDE/VALET SWITCH

1. Override Function  
Use in emergency situations such as a lost transmitter or transmitter malfunction. Turn ignition "On", and within 15 seconds push the override/valet switch, the horn will stop and the system is now disarmed.

### F. AUTOMATIC LOCKING

1. Turn ignition "Off".
2. The LED will fast flash (when this option is installed).
3. After 60 seconds has elapsed, the system will automatically lock doors.

### G. MANUAL LOCKING

1. Press the "Lock" button on the transmitter.
2. The horn will chirp once, after 3 second system arm.

### H. MANUAL UNLOCKING

1. Press the "Unlock" button on the transmitter.
2. The horn will chirp twice, indicating system is disarmed.  
Note: If ignition is not turned "On" within 60 seconds after unlocking, the system will relock again.

### I. PANIC FUNCTION

The transmitter can be used as remote panic switch to manually trigger the horn in case of an emergency. Press and hold the lock or panic buttons on the transmitter for 3 seconds, and the horn will sound for 30 seconds.

### J. IGNITION CONTROL DOOR LOCK SAFETY SYSTEM

Doors will automatically lock after the ignition key is turned "On". Doors will automatically unlock after the ignition key is turned "Off".

### K. TRUNK RELEASE (Channel 2 Pulsed)

Press and hold the trunk release button on the transmitter for 2 seconds to activate the trunk release or other electric devices.

### L. CHANNEL 3 (LATCHED)

Press the Channel 3 button to activate the optional electrical device. This device will be "On" when the button is pressed continuously, and "Off" when the button is released.

### M. VALET MODE

When the door locks are programmed to automatically lock 30 seconds after closing the last door, use the valet mode to temporarily halt this feature when you give your vehicle to another person to use or operate. This will prevent the vehicle from locking 30 seconds after the last door is closed. To operate the valet mode, repeat the following procedure.

1. Turn the ignition key switch to the "On" position.
2. Within 15 seconds, press and hold the valet switch for approximately 2-3 seconds. Note: If the LED indicator has been installed, it will light up solid when the unit is in valet mode.
3. To exit the valet mode, repeat steps 1 and 2 again and you will exit the valet mode.

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.
2. This device must accept any interference received, including interference that may cause undesired operation.