

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.

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.


G. MANUAL LOCKING

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

H. MANUAL UNLOCKING

1. Press the  button on the transmitter.
2. The horn will chirp twice, indicating system is disarmed.
- Note:** If ignition is not tuned "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  button 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  button on the transmitter for 2 seconds to activate the trunk release or other electric devices.

L. CHANNEL 3 (LATCHED)

Press the  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

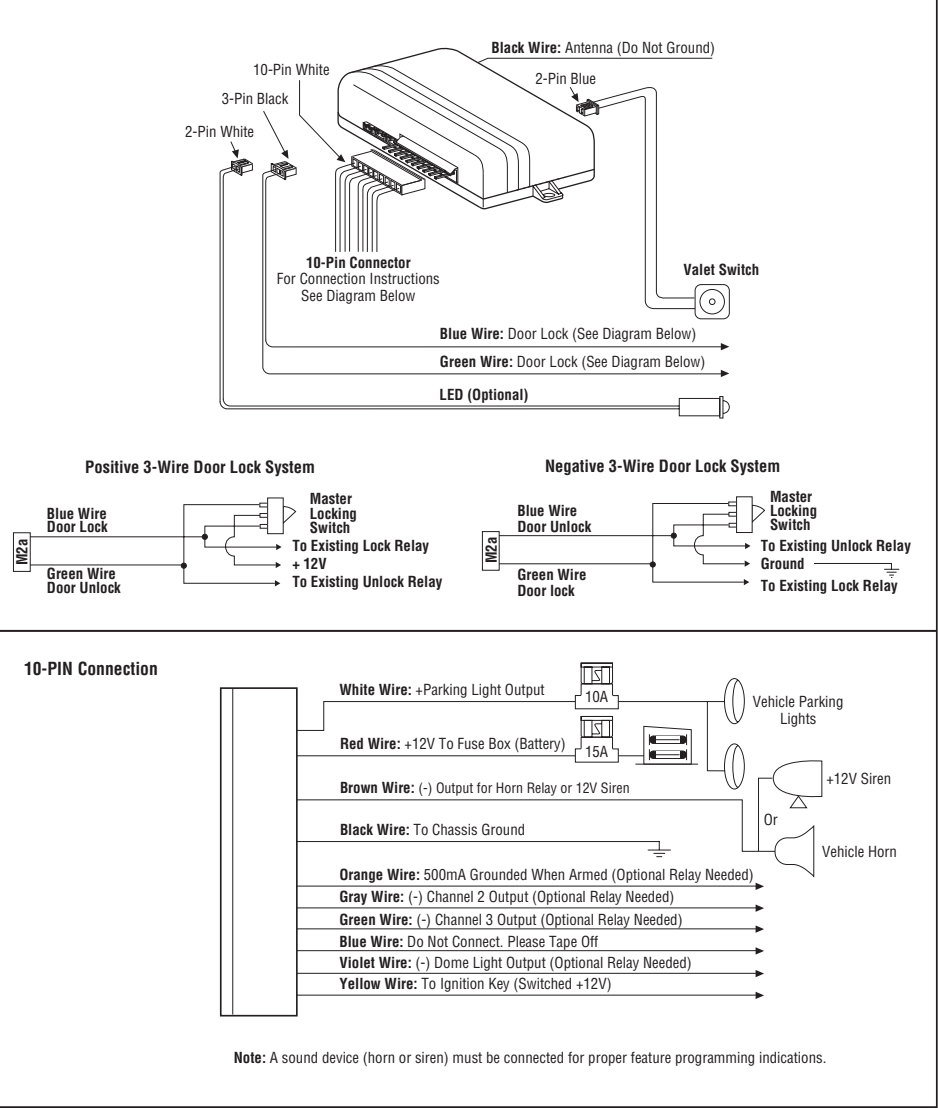
- When the door locks are programmed to automatically lock 30 seconds after closing the last door, use the valet mode to temporarily halt this feature when you give your vehicle to another person to use or operate. This will prevent the vehicle from locking 30 seconds after the last door is closed. To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



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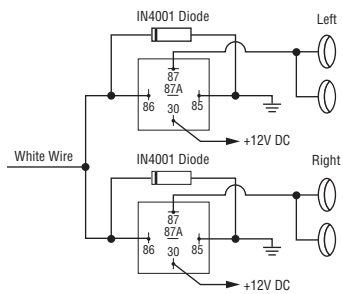
For technical assistance, please call (800) 638-3600, or visit www.magnadyne.com

Wiring Diagrams

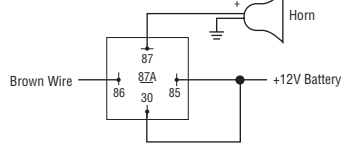


Optional Relay Wiring

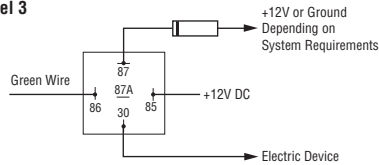
Parking Light (Dual Relay, European Vehicles Only)



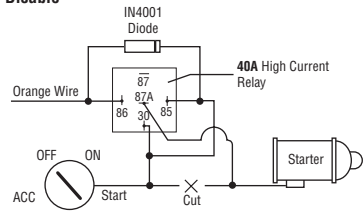
Horn Output (Relay is Existing in Vehicle or Newly Installed)



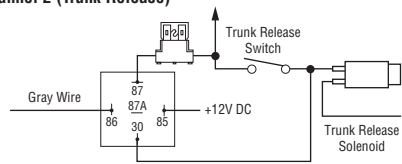
Channel 3



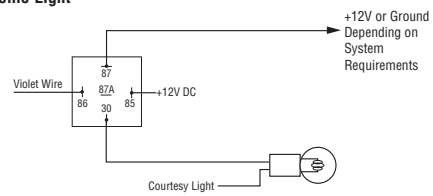
Starter Disable



Channel 2 (Trunk Release)



Dome Light



Programming

A. TRANSMITTERS

A maximum of 4 transmitters can be programmed to control the functions of the M2a. There are 2 modes of transmitter operation.

- Dedicated Channel Mode (each button performs a dedicated function)
- Auto Configuration Mode (buttons function as per the icons printed on them)

Note: You can not mix transmitter operation modes

Dedicated Channel Mode:

1. Turn the ignition key to the "On" position.
- 2A. Push the valet switch 3 times to program in Dedicated Channel Mode.
- 2B. Push the valet switch 6 times to program in Auto Configuration Mode.
 - If the vehicle horn is connected, you will hear 1 long + 1 short beep for Dedicated Channel Mode or 2 short + 1 long beep for Auto Configuration Mode.
 - If the optional LED is connected, it will begin to flash for 10 seconds.

Note: You will have only 10 seconds to start programming the transmitters. After 10 seconds has past with no programming activity, the system will exit the programming mode.

3. Press any button on the first transmitter.

- If the vehicle horn is connected you will hear 1 beep.
 - If the optional LED is connected, it will stop flashing for a second or two.
 - The parking lights will flash 1 time.
4. Press any button on the second transmitter.
 - If the vehicle horn is connected you will hear 2 beeps.
 - If the optional LED is connected, it will stop flashing for a second or two.
 - The parking lights will flash 1 time.
 5. Apply the same procedure to program a 3rd and 4th transmitter.

PROGRAMMING SYSTEM FEATURES:

The M2a has 6 features that are programmable. To program these features, repeat the following procedures:

1. Turn the ignition key "On" and then "Off".
2. Within 10 seconds, press the valet switch 6 times.
 - If the vehicle horn is connected you will hear 1 long beep
 - If the optional LED is connected, it will be on constant (not flashing).
3. Select the feature you want to program (see feature chart on next page) by pressing the valet switch.

Note: Feature selection using the valet switch is sequential. Press the valet switch 1 time to select Feature #1. Press the valet switch two times to select Feature #2 and so on. If you only have 1 feature to program, you can press the valet switch the correct number

of times and go directly to that feature. You can not jump around. Once you make it to Feature #6, the programming will end and you have to start over again (you can not go from Feature #6 to Feature #1 by pressing the valet switch one more time).

- If the vehicle horn is connected, it will beep as many times as you pressed the valet switch to indicate the feature to be programmed.
- If the optional LED is connected, it will flash as many times matching the feature number you have selected to program.

4. Once the feature you want to adjust has been selected, rotate the ignition key to the "On" or "Off" position as indicated on the programming chart. In some cases, you will have to turn the

ignition key "On" and then "Off" to program the feature.

Note: When programming the features, the LED and parking lights will not indicate if a feature is on or off. The only indication is the car horn. A temporary 12 volt siren can be connected to the brown wire to act as the horn when the horn is not connected to the M2a.

5. When you are finished setting all the programmable features, wait for 15 seconds and the M2a will exit the programming mode automatically.
 - If the vehicle horn is connected you will hear 3 short beeps.

| Feature Number | Chirp/LED Confirmation | Turn Ignition from "Off" to "On" | Turn Ignition from "On" to "Off" |
|----------------|------------------------|--|----------------------------------|
| | | 1 Short Chirp Feature is "On" | 2 Short Chirps Feature is "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 for 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 | |

