

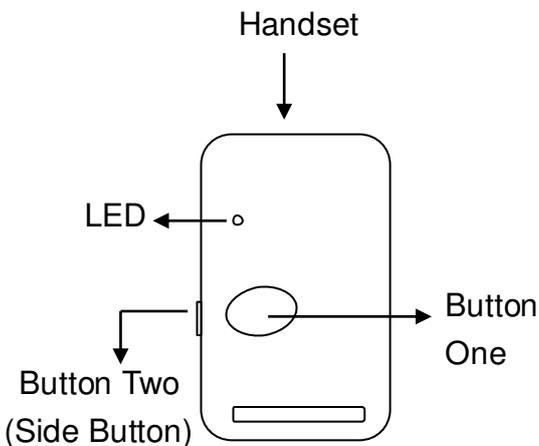
# MONGOOSE M18

## Automatic Keyless-Entry Car Alarm System

### User Manual

#### PACKAGE INCLUDES:

1. Car Alarm Handset x 2
2. Main Unit with Built-in Receiver, including:
  - A. Main Unit
  - B. Shock Sensor x 1
  - C. 131kHz Antenna x 1
  - D. Override Switch & Wire x 1
  - E. LED Indicator & Wire x 1



#### Basic function of button:

Button One ---

- a. Arm --- Press once to arm the system  
(Chirps once, car lamps flash once)
- b. Disarm --- Press once to disarm the system  
(No chirp - Car lamps flash twice)

Button Two ---

- a. Car finder: Press twice within 3 seconds  
(chirps once, car lamps flash six times)
- b. EZ-GO disable: Press and hold 2 seconds  
(indicators light for 2 seconds)
- c. EZ-GO enable: Press once  
(indicators light for 1 second)

Button One & Two together

Press both at same time for 4 seconds for channel 2 output (boot release) – optional fitment

#### SYSTEM DESCRIPTION

The Mongoose M18 EZ-GO vehicle security system is fully automatic for arming and disarming.

No remote buttons to press as the system in the vehicle scans for your handset.

When you exit and walk at least 2~4 metres away from your vehicle, the security system will arm, immobilise the engine and lock all the doors automatically when your handset is out of reception range.

When you walk back towards your vehicle and come into the reception range, 2~4 metres depending on where this unit's antenna is located in your vehicle, the doors will automatically unlock and the alarm system disarms – however, the engine remains immobilised until you are ready to start the engine.

The handset can be used as a conventional remote control and a description of the functions are shown above.

#### Radio interference:

Due to the nature of this security system, it may be affected by radio interference from other identical systems or other strong transmission signals. This is not a fault and normally only affects the automatic proximity function but not the manual remote functions. If your system is affected in the location where the vehicle is parked, please use the manual remote control functions.

## 5 MAIN EZ-GO FUNCTIONS:

### 1. Automatic Unlock & Alarm Disarm

When the user with the handset walks into the 2~4 metre reception range of the vehicle, the alarm system will automatically UNLOCK the vehicle doors. At the same time, the alarm system will disarm including the impact sensor but at this stage the engine will remain immobilised.

### 2. Automatic Immobiliser

The system will automatically immobilise the vehicle after the ignition is turned OFF and a door is opened. The vehicle cannot be started if the handset is not present.

### 3. Automatic Lock & Alarm Arm

If any door is opened and then closed after the ignition has been turned OFF, the system will start to check if the handset is still present. If present, the system will not LOCK/ARM and continues to check if the handset is within range.

If the handset is not present or the user moves out of range, the system will LOCK/ARM the vehicle automatically within 6 seconds.

\*\* If the user intends to work/stay around the vehicle for a period of time, it is recommended to turn off the EZ-GO function temporarily (see below Note 1).

### 4. Automatic Re-Arm/Re-Lock

The system will re-arm & re-lock the car if either of the following two conditions applies:

- 1) The user with the handset gets into the range and then goes away without opening the door
- 2) The user opens and closes the door without turning the IGN to ON, and then goes out of range.

### 5. Anti-Hijack Function

While the ignition is ON, if any car door is opened, 2 minutes later, the system will transmit signals for 30 seconds to check if the handset is present. If the system does not receive the response from the handset, the siren will start to intermittently sound and the cars indicators will flash for 50 seconds. 50 seconds later, the engine will be stopped and immobilised. The siren will continue to sound and indicators to flash for 30 seconds.

Under this condition, the system will continue to check if the handset is nearby. Even if the ignition is turned off and on again, if the handset is still not present, system will proceed with the same action as described above - " Siren will continue to sound and indicators will flash for 30 seconds and then stop."

#### Note:

1. You can temporarily deactivate the above 5 EZ-GO functions by pressing and holding button two of the handset for 2 seconds when within range - indicators light for 2 seconds to confirm.
2. Pressing button two of the handset once activates the EZ-GO functions - indicators light 1 second to confirm.
3. Under the Anti-Hijack condition, either get handset close to the car or turn the ignition ON and then press the Override Switch for 2 second can stop Anti-Hijack mode.
4. It is recommended to break the fuel or ignition circuit instead of starter cut circuit for the Anti-Hijack function use.
5. OVERRIDE: If the handset is not available the system can be overridden.

Open the vehicle with the key and turn the ignition ON and then press and hold the override switch for 2 seconds. The system will disarm and deactivate the above 5 main functions. Once the handset is available, just press button two of the handset once to activate the 5 main functions.

## 6. Automatic Door Lock (after entry into the vehicle) – optional connection

With the doors unlocked, turn the ignition ON, then open and close the drivers door, then press the brake pedal on and off - system will lock the car doors automatically

or

With the doors unlocked, open and close the drivers door, then turn the ignition ON, then press the brake pedal on and off - system will lock the car doors automatically

## 7. Car Finder Function:

Press button two of the handset **TWICE** (within 3 seconds). If within remote range, the siren will chirp once and the indicators will flash six times to show where the vehicle is.

## 8. Power Saving

(1) The system will turn to power saving mode automatically if the system does not get a signal from the handset for 72 hours.

(2) If the handset is constantly inside reception range for over 12 minutes, the handset will automatically lengthen the interval between each respond signal to 30 seconds (normally 3 seconds) to save the power of both system and handset.

### Smart Low Battery Power Warning

If the battery power of the handset is low, the system will alert you by;

- 5 flashes of the indicators upon DISARMING
- or
- 1 siren chirp and 4 flashes upon ARMING

The 5 main functions will be temporarily disabled in order for the user to manually arm and disarm by remote control. After the battery has been replaced, press the button two of the handset once, the main functions will be enabled.

## SYSTEM LEARNING & HANDSET SETTING:

### Handset Learning:

- (1) Insert the car key and turn the ignition ON.
- (2) Press and Hold Override Switch for 5 seconds, LED and indicators stay solid ON indicating system is in Learning Mode.
- (3) Press button one of handset once.
- (4) Indicators will flash once to confirm the handset has been memorised - indicators then light solid.
- (5) Repeat Step 3 until all handsets are memorised into the system (Maximum 4 handsets).
- (6) The system will exit Learning Mode after 10 seconds idle or turn the ignition OFF to exit at any time.

### Programming Setting Function:

1. Insert the key and turn it the ignition ON. (The following setting process will need to be completed within 25sec)
2. Press Override Switch 5 times, siren will chirp 5 times, LED stays solid ON, which indicates the system is under Programming Settings Mode.
3. Press Override Switch the number of time you wish to enable or disable the function, i.e. press ONCE to set "Dome Light Delay" Function, siren will chirp ONCE as indication.
4. Press button one of the handset ONCE to switch ON this function. The LED indicator will flash ONCE to indicate the function is ON; and instead, if press button one TWICE, the LED indicator will flash TWICE to indicate this function is OFF. After finish one setting, user can continue to perform next setting. If user does not proceed with any setting within 15 seconds, system will exit the setting.

## Range Detection:

We recommend regular checking of the reception range to ensure continuing performance and security. After step 3 of above system programming setting, press the Override Switch for 20 times to perform range detection.

Without pressing any remote button, walk around the vehicle at varying distances away from the vehicle to check the reception range. Siren will chirp every time when the handset is within reception range.

Turn the ignition OFF to exit this function.

## Programming Table: (The “•” indicates the Factory Default settings for each feature)

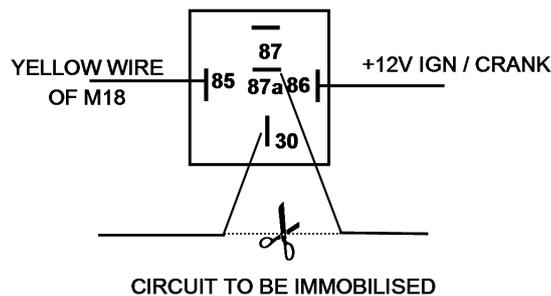
Override Switch	Press Handset Button to Turn the Functions ON/OFF		
Press Once		Dome Light Delay	• Disable
Press Twice		Anti-Hijack Mode	• Disable
Press 3 Times	•	Full 5 Main Functions	Disable
Press 4 Times	•	Central Door Lock Time (0.6 sec.)	Central Door Lock Time (3 sec.)
Press 5 Times	•	1 Chirp when Arming	Mute when Arming
Press 6 Times	•	Safety Door Lock 5sec after IGN ON	Disable
Press 7 Times	•	Door Unlock upon IGN OFF	Disable
Press 8 Times	•	Connects to Car Horn	Connects to Alarm Siren
Press 9 Times	•	Honk Chirp 30ms	Honk Chirp 50ms
Press 10 Times		Press the handset button ONCE again to confirm all settings back to Factory Default	
Press 20 Times		Range Detection (Please view the previous page for the range detection function.)	

## The placement of Antenna

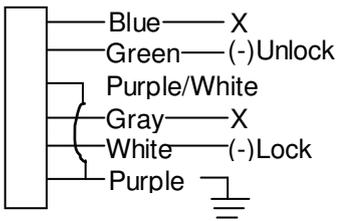
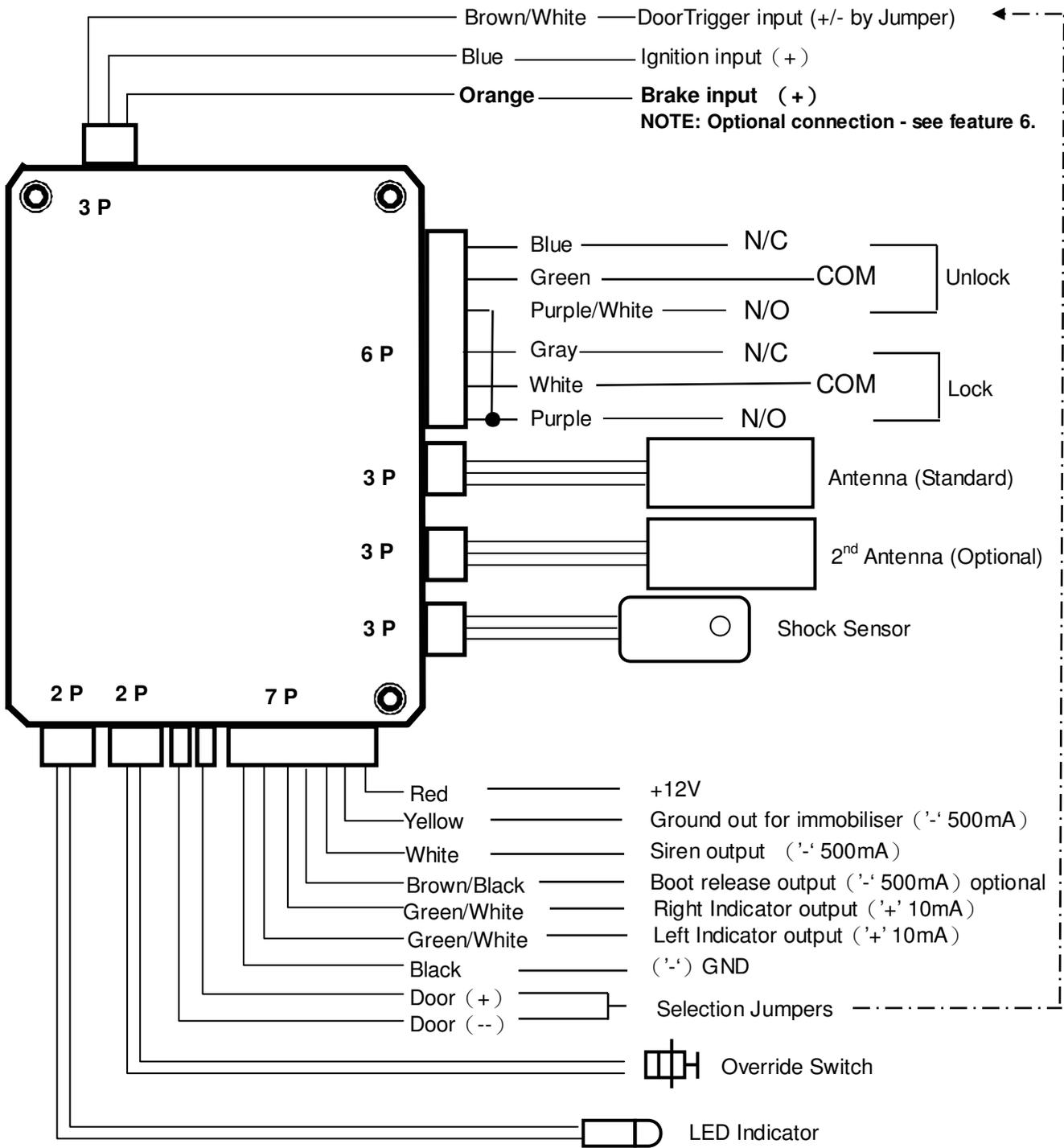
It is recommended to place the antenna at either of the following places:

1. Rear of the interior rear-view mirror.
2. Inside the A or B column of the driver’s side at the height of driver’s shoulder.

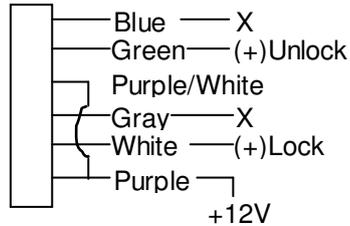
### ENGINE IMMOBILISER RELAY



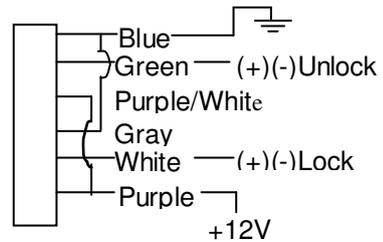
# WIRING DIAGRAM :



Door Lock for Negative Trigger



Door Lock for Positive Trigger



Door Lock for Direct Actuator Drive