



# User's Manual



**Model: PLUS-5900**

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

## Introduction

Congratulations on your purchase of a quality Carbine automotive security and remote start system. Carbine security products have been designed to provide the consumer with a technologically superior product and years of trouble free operation. The information enclosed will provide a ready reference of the operation and maintenance of your new Carbine security and remote start system.

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## Warnings

As with any product that performs automatic functions, there are certain safety precautions that you must practice and be aware of.

- Keep the transmitter out of children's reach.
- The vehicle windows must be rolled up.
- Should the unit malfunction, disconnect the fuse until the problem is corrected.

## Remote Control Transmitters

The LCD screen on the 2-way remote control displays graphic icons. It provides visual information on any trigger of the sensors and around the clock surveillance of your vehicle, as well as displaying the present status of the system.



2-Way LCD Remote



LCD Display Icons



1-Way Backup Remote

### LCD Remote Icons

 <b>Door Lock</b> Vehicles Doors are Locked	 <b>Warn Away</b> Shock Sensor Triggered (Zone 1)
 <b>Door Unlock</b> Vehicles Doors are Unlocked	 <b>Shock Sensor</b> Shock Sensor Triggered (Zone 4)
<b>ARM</b> <b>Armed Mode</b> Security System is Armed	<b>SAVE</b> <b>Power Save Mode</b> Saves The Battery Power when Transmitter is not in Use
<b>z z</b> <b>Valet Mode</b> Security System is in Valet Mode	 <b>Vibrate Mode</b> Vibrates when Security System is Triggered
 <b>Remote Transmission</b> Transmitting a Signal	 <b>Low Battery</b> Replace the Transmitter Battery
 <b>In-Range Indicator</b> You are within Remote Control Range	 <b>Ignition</b> Trigger On Ignition Switch (Zone 5)
 <b>Door Triggered</b> Doors are Opened (Zone 3)	 <b>Driver Paging / Lost and Found</b> Someone is Paging you from the Vehicle
 <b>Trunk/Hood Triggered</b> Trunk/Hood are Open (Zone 2)	 <b>System Trigger/Panic</b> Alerts that the System has been Triggered
<b>II</b> <b>Second Vehicle</b> Communicate with a Second Vehicle's Security System	

## Remote Control Transmitters Operation

Transmitter Button	System Function	Remark
	Lock Doors & Arms System	Press and Release
 - 	Arm and Delete the 2-Stage Shock Sensor	Press Twice within 3 Seconds
 - 	Arm System and Hidden Alarm Function	Press within 3 Seconds
	Panic Alarm	Press and Hold for 3 Seconds
	Progressive Car Locator	System Armed Longer than 30 Seconds
 + 	Silent Arming/Disarming	Press at the same Time
 + 	Manual Anti-Car Jacking Mode	Ignition in "ON" Position, Press and Hold for 2 Seconds
 + 	RF Valet Mode On	Press Both and Hold Until the Door Locks Cycle
	Unlock Doors & Disarm System	Press and Release
 - 	Two Step Door Unlock and Disarm System	Press Twice within 3 Seconds
 + 	RF Valet Mode Off	Press Both and Hold Until the Door Locks Cycle
	Trunk Release - Channel 3	Press and Hold for up to 3 Seconds
 - 	Passive Arming Bypass	Press Twice within 3 Seconds
	Channel 4 Timer Control Output	Press and Release
 +  - 	2nd Car Control (LCD Transmitter Only)	Press and Hold  +  Together Hear a Long Beep then Press 

## Programming the LCD Transmitter

### Vibration/Melody Mode

This mode is useful when you are in a noisy place and it is difficult to hear the beep from the transmitter. While in the Vibration/Melody Mode, the transmitter will vibrate if your security system has been activated.

1. Press and hold the  and  buttons at the same time until one long beep is heard. Programming has now been entered.
2. Within 5 seconds, press the  button to select the vibration or Melody Mode. The  icon will be displayed on the screen to show the remote transmitter is in Vibration Mode.
3. To exit the Programming Mode, take no action for five seconds. The remote control will generate two long beeps to indicate Programming Mode has been exited.



### Power Save Mode

While in the Power Save Mode, the LCD remote transmitter will “Sleep” until a button is pushed, extending the life of battery. When Power Save Mode is “OFF”, the remote control will wake up periodically to check for messages from the security system.

1. Press and hold the  and  buttons at the same time until one long beep is heard. Programming has now been entered.
2. Within 5 seconds, press the  button to toggle between “ON” or “OFF”. The remote will beep twice for “ON”, and once for “OFF”. When Power Save Mode is “ON”, the **SAVE** icon on the LCD screen indicates entry into Power Save Mode.
3. To exit Programming Mode, take no action for five seconds. The remote control will generate two long beeps indicating Programming Mode has been exited.



### Screen Lamp On

Press the  button once, and the LCD screen lamp will turn on for 5 seconds.

### System Status Check

To check the system’s present status through the LCD screen, press the transmitter  button first, then within 3 seconds press  and  buttons at the same time. The response will be one melody sound, and the LCD screen will be illuminated. **Note:** If no response is received, then you are out of range.



### Clear the Flash Icon and Melody Sound

Press the  button first, then within 3 seconds press the  and  buttons at the same time. These steps will clear the flash icon and melody sound on the LCD transmitter.

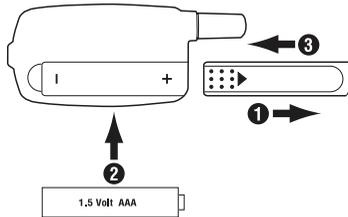
### Stop the Trigger Melody Sound

While triggering the alarm the LCD screen will alert the user through a melody sound and a flashing trigger icon. Press any button on the LCD transmitter to stop melody sound only, and the remote control will not send a command to the system.

### Programming the LCD Transmitter

Press Buttons at the Same Time:	Then Press Button Within:	System Function
+	5 Sec.	Switching to 2nd Vehicle or Returning to 1st Vehicle Operation
+	5 Sec.	Melody / Vibration Mode
+	5 Sec.	Power Save Mode
		LCD Screen Lamp Turns On for Five Seconds
	+  3 Sec.	System Status Check
	+  3 Sec.	Clear the Flash Icon and Melody Sound

### Battery Replacement



The LCD remote control is powered by a 1.5 Volt AAA Alkaline battery. When the power of the battery weakens the battery icon will be displayed on the screen. When the old battery is replaced with a new one, there will be a beep to indicate the power is up. To replace the battery, follow the steps in the illustration at left.

**Note:** Press the button two times when the battery compartment is empty, then insert the new battery.

### LED Indicator

LED	Function
OFF	System is Disarmed
Slow Flashing	System is Armed
Fast Flashing	Automatic Arming Timer is Counting Down
LED On Solid	System in Valet Mode (Ignition Key On)
1 Flash Every 5 Seconds	System in Valet Mode (Ignition Key Off)
2 Flashes - Pause	Zone 2, Trigger from Trunk/Hood
3 Flashes - Pause	Zone 3, Trigger from Door Switch
4 Flashes - Pause	Zone 4, Trigger from Shock Sensor
5 Flashes - Pause	Zone 5, Trigger from Ignition Switch

## Interference

The transmission range may decrease if the system encounters interference from tall structures or stronger radio frequencies such as high-voltage power lines.

## Parking Lights

Flash	Function
1 Flash	System is Armed
2 Flashes	System is Disarmed
3 Flashes	Disarmed / Triggered
3 or 6 Flashes	Car Locator

## Chirp Indicators

Chirp	Function
1 Chirp	System is Armed
2 Chirps	System is Disarmed
3 Chirps	Ajar Warning
4 Chirps	Disarm / Triggered
2, 3 or 6 Chirps	Progressive Car Locator

## System Characteristics

	Siren/Horn	Parking Light	LED	Doors	Starter	Dome Light
1. Arming	1 or 3 Chirps	1 Flash	Slow Flash	Locking	Disabled (Option)	
2. Disarming	2 or 4 Chirps	2 or 3 Flashes		Unlocking		Turns on for 30 Seconds
3. Trigger	Alarming	Flashes	Slow Flash		Disabled (Option)	Flashes
4. Panic	Alarming	Flashes				Flashes
5. Car Jacking	Alarming	Flashes			Disabled (Option)	Flashes
6. Car Locator	2, 3 or 6 Chirps	3 or 6 Flashes		Locking		

## Manual Arming: Lock & Arm

1. Press the  button on the transmitter.
2. The siren will chirp once and parking lights will flash once indicating that the system is now armed. The vehicle door will lock upon arming when interfaced with the security system.

**System Armed**



**Door Ajar**



**Trunk/Hood Ajar**



### Ajar Warning:

If the siren sounds 3 chirps, then you have left a door, trunk, or hood lid ajar.

### Silent Arming/Disarming

Press the transmitter  and  buttons at the same time to arm or disarm your security system. No chirp sound will be heard. The arm/disarm confirmation will be through the vehicle's parking lights only.

### Shock Sensor Bypass

Press the  button on the transmitter two times within 3 seconds. This will arm the security system and bypass the shock sensor. The system will chirp one additional time to confirm the Sensor Bypass Mode was activated. The sensor bypass feature is programmed to activate for one arming cycle only. The security system will return to normal operation during the next arming cycle.

### Hidden Alarm Function

Press the  button first, within 3 seconds press the  button to activate the hidden alarm function. The security system will arm, but the siren / horn will be silenced even if the sensor is triggered in the armed status.

## Automatic Arming

Manual arming/disarming is controlling your security system via the remote transmitter. This security system is equipped with an optional Automatic Arming feature which allows the security system to arm 45 seconds after the last door is closed. Operation is as follows:

1. Turn the ignition to the "OFF" position and exit the vehicle.
2. After all entrances are closed, the security system LED will flash fast for 45 seconds. If you reopen any Door, Hood, Trunk the security system LED will stop flashing. It will begin flashing again once the vehicle's entrances are closed.
3. After the 45 second timer has elapsed, the security system will automatically "ARM". The siren/horn will chirp once, and the parking lights will flash once.

### Automatic Arming with Automatic Door Locking (Programmable)

If this feature has been programmed on, the vehicle doors will automatically lock after the automatic arming cycle has been completed.

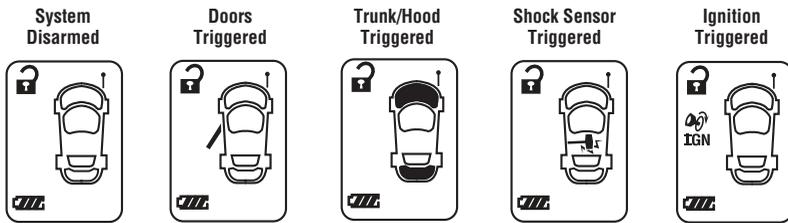
## Automatic Arming (continued)

### Automatic Arming Bypass

While the system is in Disarmed Mode, press the  button twice. The horn/siren will respond with one chirp and the LED will turn "ON". The security system will remain in this mode for as long as you wish. To exit this mode press the  or  buttons and the system will return to normal status.

## Manual Disarming Unlock & Disarm

1. Press the  button on the transmitter.
2. The siren will chirp twice and parking lights will flash twice indicating that the system is now disarmed. The vehicle door will unlock and the dome light will turn on for 30 seconds upon disarming when interfaced with the security system.



### Tamper Disarming

If the security system is triggered upon disarm, the siren will chirp 4 times and the parking lights will flash 3 times.

### Pathway Illumination

This feature turns the parking lights "ON" for 30 seconds upon a unlock signal and for 10 seconds upon the lock signal.

### Two-Step Door Unlock

This feature will independently unlock the driver's door only when disarming the security system. Pushing the  button a second time within 3 seconds will unlock the other doors.

### Automatic Rearm

If this feature is selected, the security system will automatically rearm itself within 60 seconds after disarming with the remote transmitter. Automatic rearm will cancel if any door is opened before the 60 second timer has elapsed.

## Disarming without a Transmitter

The override function may be used if the remote transmitter is lost or inoperative.

1. Enter the vehicle and turn the ignition switch to "ON" position (alarm will sound).
2. Within 10 seconds push and release the valet switch. The alarm will stop sounding and enter the Disarm Mode. You can now start and operate the vehicle normally.



## RF Valet Mode (Applies to All Transmitter Types)

RF valet mode provides the same functions as manual valet mode but allows you to enter and exit the valet mode using the remote transmitter. When the system is in Valet Mode, all alarm functions and remote start functions are off. However, the remote panic feature and remote door locks remain operational. To enter/exit the RF Valet Mode, repeat the following procedures.

### Enter Valet Mode

1. In Disarmed Mode, open the drivers door.
2. Push and hold the  and  transmitter buttons until the door locks cycle "Lock then Unlock". The LED will flash every 5 seconds to indicate that the unit is in the Valet Mode.

**Note:** When the unit is in valet mode, the LCD transmitter **zZ** icon will be displayed.



### Exit Valet Mode

1. In Unlocked Mode, open the drivers door.
2. Push and hold the  and  transmitter buttons until the door locks cycle "Lock then Unlock". The LED will stop flashing every 5 seconds to indicate that the unit is out of the Valet Mode.

**Note:** When the unit is out of valet mode, the LCD transmitter **zZ** icon will be off and you will hear a short melody from the transmitter.



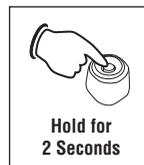
## Manual Valet Mode

Manual valet mode allows you to bypass all alarm functions eliminating the need to hand your transmitter to parking attendants or garage mechanics. This mode is also a necessity if your transmitters become in-operable. When the system is in Valet Mode, all alarm functions and remote start functions are off. However, the remote panic feature and remote door locks remain operational. To enter the Manual Valet Mode, the system must first be disarmed either by using your remote transmitter, or by operating the manual override sequence.

### Enter Valet Mode

1. When in Disarmed Mode, turn the ignition to the "ON" position.
2. Push and hold the valet switch for 2 seconds. The LED will flash every 5 seconds as long as the unit is in the Valet Mode.

**Note:** When the unit is in valet mode, the LCD transmitter **zZ** icon will be displayed.



### Exit Valet Mode

1. To return to normal operation, turn "ON" ignition.
2. Push and hold valet switch for 2 seconds. The LED will stop flashing, indicating the system has now exited the Valet Mode.

**Note:** When the unit is out of valet mode, the **zZ** icon will be off and you will hear a short melody from the transmitter.

## Remote Panic Function

The transmitter can be used as a remote panic switch to manually trigger the alarm system in case of an emergency.

1. Press and hold the  button for 3 seconds to enter the Panic Mode (horn/siren will start to sound and parking lights will flash).
2. While in Panic Mode the transmitter  and  buttons can be used to lock and unlock the door (if that option is installed). However, if the  button is pressed, the vehicle's starter disable device (when installed) will be disabled, allowing the vehicle to start.
3. To turn off the panic function, press and hold the  button again for 3 seconds or press and release the  or  buttons.
4. If the panic function is not turned off by the transmitter, it will turn off and reset itself after 30 seconds.

## Anti-Car Jacking

**Warning:** This security system has a car jacking feature. Its default setting is "OFF". So be sure to enable this feature if you feel it is needed.

### Manual Anti-Car Jacking

1. Press and hold the transmitter  and  buttons at the same time for 2 seconds while the vehicle's ignition is "ON". The parking lights will turn on for 1.5 seconds to indicate the system has entered the Anti-Car Jacking Mode.
2. Once the system is armed in the Anti-Car Jacking Mode, the system will trigger when the door is opened and closed while the ignition is "ON".

### Automatic Anti-Car Jacking

1. Turn the ignition switch to the "ON" position, and the system will enter the Anti-Car Jacking Mode.
2. Once the system is armed in the Anti-Car Jacking Mode, the system will trigger when the door is opened and closed while the ignition is "ON".

### When the Anti-Car Jacking Feature is Triggered

- a. 50 seconds after the system has been triggered. The siren will start chirping for 15 seconds.
- b. During this 15 second period of chirping, you can push and release the valet switch once to turn off the car jacking feature.
- c. 65 seconds after the system has been triggered. The siren starts sounding and the parking lights start flashing. You must follow the override procedure to stop the system at this point.
- d. 90 seconds after the system has been triggered:
  1. The siren will still be sounding and the parking lights flashing.
  2. The starter disable will activate to prevent the vehicle from starting.
  3. Anti-Car Jacking Mode will remain active until the override procedure is performed or the vehicle's battery power is exhausted.

### Override the System to Turn Off Anti-Car Jacking

Turn the ignition switch from "OFF" to "ON", and within 10 seconds push the valet switch. The siren will stop sounding and the security system is now disarmed.

## Progressive Remote Vehicle Locator System

**Note:** The remote vehicle location system is active 30 seconds after the alarm is armed.

1. Press the  button to activate the vehicle locator system. The horn/siren will beep 2 times and the parking lights will flash 3 times. This operation will repeat a second time.
2. Press the  button again within 30 seconds. The horn/siren will beep 3 times and the parking lights will flash 3 times. This operation will repeat a second time.
3. Press the  button again within 30 seconds. The horn/siren will beep 6 times and the parking lights will flash 6 times.

## Dome Light Supervision

The Security System has a unique feature for using your vehicle's dome light:

1. Upon disarming the vehicles security system, the interior dome light will remain on for 30 seconds.
2. If the security system is triggered, the dome light will flash for the same duration as the horn/siren.

**Note:** Turn "ON" the ignition switch or arm the system to turn off the dome light.

## Ignition Controlled Door Locks

If the vehicles door locks have been interfaced with the security system, the system will automatically lock the doors when the ignition is turned "ON", or unlock the doors when ignition key is turned "OFF".

## Trunk Release Output (Channel 3)

Press and hold the  button for up to 3 seconds to activate the trunk release (Channel 3 Output) and/or any other devices connected.

## Timer Control Output (Channel 4)

Press and release the  button to activate the Channel 4 output. Channel 4 is user programmable timer output. You may program the built-in timer to send a ground signal for any time duration between 1 and 120 seconds. For example, this timer output may be used to turn on the headlights, power window or sunroof (Factory defaults setting at momentary output.)

## Driver Paging / Lost and Found (For LCD transmitter only)

Driver Paging / Lost and Found is useful when someone inside the vehicle wants to page the driver, or if the LCD transmitter has been misplaced.

With the ignition switch in the "OFF" position, press and hold the valet switch for 2 seconds to page the LCD transmitter. One chirp shall be emitted and the paging melody continues sounding from the LCD transmitter and  will flash on the screen.



## Out-of-Range Indication

If the Out-of-Range Indication feature is activated the system will automatically check the range every 30 minutes after being armed.

1. If the user is within the range, the 1 icon will appear on the LCD screen.
2. If user is out-of-range, the 1 icon will disappear from the LCD screen and the transmitter will beep 5 times.

**Note:** Activating this feature will decrease the life expectancy of the battery.

## Power-On Memory

This security system is equipped with circuitry that will allow the unit to remember its alarm state if the power is lost and then reconnected.

## Second Carbine Security System Operation

If your transmitters have been programmed to a second Carbine security system, follow the steps below.

### For LCD Remote Control Transmitter

Second Vehicle Operation: While the II icon is displayed on the LCD screen, you can remote control and communicate with a second vehicle security system.

1. Press and hold  and  buttons at the same time until one long beep is heard. Programming Mode has now been entered.

**Note:** No action for five seconds will generate two long beeps indicating the Programming Mode has been exited.

2. Within 5 seconds, press and hold the  button until two beeps are heard and the II icon is displayed on the LCD screen indicating second vehicle operation.
3. While the II is displayed, press any button on the transmitter to control the second vehicle's security system or alarm function (arm/disarm/trunk).

**Note:** Button functions are the same for the second vehicle as they are for the first vehicle.



### Return to First Car Operation

1. Press and hold  and  buttons at the same time until one long beep is heard. Programming Mode has now been entered.

**Note:** No action for five seconds will generate two long beeps indicating the Programming Mode has been exited.

2. Within 5 seconds, press and hold the  button until one beep is heard and the icon is I not displayed on the LCD screen indicating first vehicle operation.



### Replacement Transmitters

TRANSMITTERS	DESCRIPTION	MODEL #	\$ PRICE
	<p>2-Way LCD Remote for the PLUS5900 - PLUS6900 Security System</p>	<p><b>CARF-LCD2</b></p>	<p><b>79.95 ea.</b></p>
	<p>1-Way Remote for the PLUS5900 - PLUS6900 Security System</p>	<p><b>CA-RF69</b></p>	<p><b>39.95 ea.</b></p>

### Replacement Batteries

REPLACEMENT BATTERIES	DESCRIPTION	MODEL #	\$ PRICE
	<p>1.5 Volt AAA Alkaline Battery commonly found in grocery stores, hardware stores, etc.</p>		
	<p>3 Volt Lithium Battery (1 pc.)</p>	<p><b>CR2032</b></p>	<p><b>4.95 ea.</b></p>

## Parts and Accessories Order Form

### Credit Card or Money Order Only

(Sorry No Cash, C.O.D. or personal checks accepted)  
 Call: (310) 884-7777 Fax: (310) 637-9542

Mail to: Magnadyne Corporation  
 ATTN: Consumer Parts Sales  
 P.O. Box 5365  
 Carson, CA 90749-5365

SHIP TO: (No P.O. Boxes)

LAST NAME	FIRST NAME	INITIAL

STREET ADDRESS

ADDITIONAL ADDRESS

ADDITIONAL ADDRESS

CITY	STATE	ZIP CODE

DAY TIME PHONE NUMBER				

CREDIT CARD INFORMATION

	/		<input type="checkbox"/> VISA <input type="checkbox"/> MC
CREDIT CARD NO.		EXPIRATION DATE	

CARD HOLDER'S LAST NAME	FIRST NAME	INITIAL

STREET ADDRESS

CITY	STATE	ZIP CODE

PART #	DESCRIPTION	QTY.	PRICE EACH	TOTAL

Shipping and Handling	
Up to \$20.00	\$5.00
20.01 to 30.00	5.95
30.01 to 45.00	6.50
45.01 to 70.00	6.95
Over 70.01	7.95

Sales Subtotal = \_\_\_\_\_ . \_\_\_\_\_  
 California Residents Add Sales Tax = \_\_\_\_\_ . \_\_\_\_\_  
 Shipping and Handling (See Chart) = \_\_\_\_\_ . \_\_\_\_\_  
**TOTAL = \_\_\_\_\_ . \_\_\_\_\_**

On regular orders please allow 4-5 weeks for delivery.  
 Please give a shipping address where this order may be delivered between the hours of 9 am and 5 pm weekdays.  
 If UPS is unable to deliver, your order will be returned and additional shipping charges will be required.

### Limited Lifetime Warranty

Magnadyne Corporation or its authorized agents will, for the life of the vehicle and to the original purchaser, repair, replace or refund the retail sales price of said product or any part thereof, at the option of the Magnadyne Corporation or its authorized agents, if said product or part is found defective in materials or workmanship, when properly connected and operating on the correct power requirements designated for the specific product. This warranty and Magnadyne Corporation or its authorized agents obligations, hereunder do not apply where the product was: damaged while in the possession of the consumer, subjected to unreasonable or unintended use, not reasonably maintained, utilized in commercial or industrial operation, or serviced by anyone other than Magnadyne Corporation or its authorized agent, or where the warning seal on the product is broken or the power plugs or wires are detached from the unit. Magnadyne Corporation or any of its authorized agents do not assume any labor costs for the removal and reinstallation of any product found to be defective, or the cost of transportation to Magnadyne Corporation or its authorized agents. Such costs are the sole responsibility of the purchaser.

This warranty does not cover the cabinet, appearance items, normal wear and tear or accessories used in connection with the product resulting from improper installation, alteration, accident, misuse, abuse or acts of nature.

This Limited Life Time Warranty applies only to the receiver section of the security system. Neither the siren, transmitters, wire harness or any accessory item added to or used with a Remote Mobile security system are covered by this Limited Life Time Warranty. Sirens, transmitters, wire harness or any accessory item are covered by our standard 12 month limited warranty.

**Magnadyne Corporation or its authorized agents shall not be liable to anyone for consequential or incidental damages or claims that may arise due to failure of product to operate properly except those accorded by law. Magnadyne's or its authorized agents liability to the repair, replacement of the product as stated above if all conditions of the warranty are met. No expressed warranty or implied warranty is given except those set forth herein. Magnadyne does not warrant or guarantee against break in damage or the theft of the vehicle in part or whole, or against the loss or damage to the contents of any vehicle in which a security system is installed. Magnadyne security systems are only a deterrent against possible theft.**

This warranty extends only to the original purchaser of the product and for the vehicle in which it was originally installed. This warranty is not transferable or assignable to any person or vehicle. Defective merchandise should be returned to the original point of purchase or secondly to Magnadyne Corporation, 1111 W. Victoria Street, Compton, CA 90220. A return authorization must be obtained before sending, or merchandise may be refused.