

***Owner's Guide for the
200 MAX and 220 MAX models (Rev C)***



Recreational Vehicle Security System

FOR

MOTORCYCLES

JET SKIS | ATVs

SNOWMOBILES

AND

M O R E

Directed[™]
ELECTRONICS, INC.

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Limited Lifetime warranty: Models 200/220MAX

*Directed Electronics, Inc. (Canada) promises to **the original purchaser** to repair or replace with a comparable reconditioned model any DEI unit (hereafter the "unit"), which proves to be defective in workmanship or material under reasonable use during the lifetime of the vehicle provided that **the unit was professionally installed and serviced by an authorised DEI dealer**. All components other than the unit, carry a one-year warranty from the date of purchase of the same. This warranty is non-transferable and is automatically void if: the unit has been modified or used in a manner contrary to its intended purpose; the unit has been damaged by accident, unreasonable use, neglect, improper service, installation or other causes not arising out of defects in materials or construction. The warranty does not cover damage to the unit caused by installation or removal of the unit. The warranty does not cover the batteries. The defective unit must be returned to DEI, shipping prepaid. This warranty does not cover labor costs for maintenance, removal or reinstallation of the unit or any consequential damages of any kind.*

IMPORTANT: The unit and its components are water resistant and not waterproof; the warranty will be void if the product is damage because of prolong use or a total immersion in water.

It is understood that this system is deterrent against theft. Directed Electronics, Inc. (Canada) is not offering a guarantee or insurance against vandalism, damage or theft of the vehicle or its content. Directed Electronics, Inc. (Canada) has not authorized any person or entity to create for it any other obligation, promise, duty or obligation in connection with this security system. The warranty on this product is automatically void if the date, code or serial number is erase or altered.

Make sure you have all of the following information from your VIPER dealer

A clear copy of the sales receipt, showing the following:

- *Date of purchase*
- *Full name and address*
- *Name and adresse of dealer*
- *Type of security system installed*
- *Year, make model and color of vehicle*
- *Vehicle license number*
- *Vehicle identification number*
- *All security options installed on vehicle*
- *Installation receipts*

Important Notice! This product must be installed by an Authorized DEI® dealer, if otherwise the warranty will be void. Ask your dealer to present his Authorized dealer Certificat.

[What's included]

- *One control module*
- *A pair of four-button remote transmitters*
- *A Stinger® DoubleGuard® shock sensor* (for motorcycle only)
- *A push-button Valet® switch*
- *A mercury tilt switch* (for motorcycle only)
- *An electronic tilt motion sensor*
(included for ATV/snowmobile and optional for motorcycle)
- *A Fail-Safe® Starter Kill*
- *A back-up battery siren*
- *A Validation Certificat request form*
(Must be filled out and returned with a copy of the invoice to DEI)
- *HF+ external/receiver antenna*

[System maintenance]

The system requires no specific maintenance. Your remote transmitter is powered by a small, lightweight 3 volts lithium battery that will last approximately one year under normal use. When the battery weakens, operating range will be reduced and the LED on the transmitter will dim.

NOTE: *When you store your vehicle, before removing your battery, you will have to deactivate the siren with the key included with the remote.*

POWER SAVER MODE : Your system will automatically enter Power Saver Mode while armed or in Valet, after a period of time in which no operation has been performed. This feature will lower the current draw to the recreational vehicle's battery.


POWER CONSUMPTION : Even if your security system is one of the most innovative on the market, its power consumption may become excessive in some particular situation. We recommend that you use your recreational vehicle and that you should drive it for an extensive period of time once in a while. If the recreational vehicle is used periodically, we recommend that you buy a 0.5 Amp low current battery charger to preserve the vehicle's battery life span.

[Transmitter Functions]




Model #473V



Arming the system

You can activate, or arm, the system by pressing  on your transmitter for one second. When the system arms, you will hear a short siren sound, or chirp, and the brake light will flash once (If installed).

Disarming the system

To disarm the system press . You will hear two chirps, and the brake light will flash twice (If installed). If the siren chirps either four or five times when disarming, that means that the security system has been triggered while you were away.

High Security Disarm

This security system offers High Security Disarm. High Security Disarm is a feature that makes it possible to silence and reset the system while it is triggering, without disarming the system. If the system is triggered and the siren has been sounding for longer than six seconds, pressing  on the transmitter will stop the trigger and return the unit to the arm state. The system will not disarm but rather reset. This prevents you from disabling the system should you wish to disarm it without visually checking the vehicle. Pressing , after resetting the system, will disarm the system; pressing this button during the first 5 seconds of the triggered sequence will disarm the security system immediately.

NOTE: On some motorcycle, it is also possible to get a brake light flash when arming and disarming, along when in full trigger. However in some cases, connecting the security system to the brake light may damage the brake light circuit.

Disarming without a transmitter

This feature allows you to disarm the security system without the remote transmitter should it be lost, damaged or disabled. In order to disarm the system without the transmitter, you must have the vehicle's ignition key and know where the Valet button is located.

To disarm the security system, turn the ignition to the "ON" position. Press the Valet button the preset number of times (one to five times) within 15 seconds. After 5 seconds, the system will now disarm. If the system does not disarm, you may have waited too long; turn the ignition "OFF" and "ON" and try again

Location of the Valet button : _____

Number of pulses : _____

Valet Mode


You can prevent your security system from automatically arming and triggered by using the Valet Mode. This is very useful when washing the recreational vehicle or having it serviced. In Valet mode, the security system will not arm, even with the remote transmitter.

To enter or exit Valet mode :



1. Turn the ignition "ON"
2. Turn the ignition "OFF"
3. Press and release the Valet button within 10 seconds.

You are now in Valet mode , to exit Valet mode repeat step 1 thru 3 again.

Auxiliary function

Press on buttons  and **AUX** together for 2.5 seconds, this will activate optional 508 D Microwave perimeter sensor.

Panic Mode

If you are threatened near your recreational vehicle, you can attract attention by triggering the system with the remote transmitter. Just press  for 2.5 seconds, and you will enter Panic Mode. The siren will sound and the brake light will flash (If installed) for the programmed siren duration. To stop Panic Mode at any time, press  on the remote transmitter again.

Silent Mode

To temporarily turn off the arm or disarm chirps, use the Silent Mode. Simply press **AUX** for less than one second before arming or disarming, and confirmation chirp(s) will be eliminated for the one operation only. If you want the arm/disarm chirps turned off permanently, your dealer can do this for you.

NOTE: The Warn Away response to lighter impact is bypassed if the system is armed using Silent Mode. This ensures that no chirps will be emitted by the siren in an area you want chirp-free. The system is still capable of triggering, only the Warn Away response is bypassed.

Standard transmitter configuration

The security system is supplied with 2- 3 button remote transmitter, when using the auto configuration of the Transmitter Learn Routine, here's the standard configuration you will get of the 473V remote transmitter:



Arms the security system



Disarm the security system

AUX

Silent Mode activation



Panic Mode activation, press for 1.5 seconds



AND **AUX** Channel 3 for auxiliary function 508 D activation

[Protection Features]

Mercury tilt switch : *This detector is for motorcycles only. It is used to trigger the alarm if the motorcycle is raised off the side stand.*

Electronic tilt motion sensor: *This sensor is used with ATV 's and snowmobiles systems, but is sold as an option with motorcycles systems. When arming the system, the detector reads the position of the vehicle and won't allow a motion of more than three degrees. Even if it is pushed forwards or backwards, it will trigger the alarm.*

Note: When arming the system, the detector requires 30 seconds to auto-calibrate. To testing should be performed during that period of time.

Doubleguard pre adjust shock sensor: *This detector is integrated to the control module, and is used for motorcycles systems. The ATV's and snowmobiles systems uses electronics digital Tilt/Motion sensor instead of the Double Guard shock sensor. Doubleguard means two stages of protection, a light impact will cause five warning chirps and a stronger impact will trigger the alarm.*

Starter Kill: *When arming the security system, it becomes impossible to start the recreational vehicle. At the same time, the ignition is protected. The system will detect any power in the ignition circuit and it will trigger the alarm.*

Back-up battery siren: *This siren has a built-in rechargeable battery. Disconnecting the power or ground will trigger the siren until the internal battery is discharged or the power is re-connected.*

A push-button Valet® switch: *This button should be hidden and it's known only by the owner . It has two functions. The first one allows you to disarm the system without the transmitter should it be lost or damaged. The second one is to change the system features or get into transmitter Learn Routine mode.*



Visit our website at
www.directed.ca

The Company behind Merlin recreational vehicle security systems is Directed Electronics, Inc.

Since its inception, Directed Electronics has had one purpose, to provide consumers with the finest vehicle security and car audio products and accessories. The recipient of nearly 100 patents and Innovations Awards in the field of advanced electronic technology, Directed Electronics is ISO 9001 and QC 9000 registered.

Quality Directed electronics products are sold and serviced throughout North America and around the world.

Call **(800) 361-7271** for more information about our products and services.

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