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## Sensor Installation (continued)

- 1 Snap mounting bracket onto sensor and install the included bolts but do not tighten them. If the bolts do not thread into the sensor then you have the bracket on backwards.
- 2 Apply the double sided tape to the underside of the sensor's mounting bracket. Check front alignment and mount the sensor to a solid surface of the vehicle.
- 3 Use the supplied bubble level to ensure the sensor is parallel to the road and tighten the sensor's mounting bracket bolts.
- 4 Repeat for additional sensor(s).



**Securing Connectors with Shrink Tube**  
Once you've installed all components properly and tested to ensure all parts are working properly, use cable ties to fasten sensor cables to a solid surface, keeping them away from heat and any moving parts. It is advisable to use the supplied heat shrink tubes to protect connectors against water, moisture, dust, etc.

**Additional ShifterMax Sensors**  
Additional Laser ShifterMax sensors, with included mounting hardware, are sold separately in pairs.

## Controller and Shifter Bridge Box Installation

### Controller



- 1 Determine the best location for the Controller. An optimal location is easily visible and accessible from the driver's position and does not interfere with normal driving. Avoid locations that require reaching through or around the steering wheel.
- 2 Clean the mounting surface thoroughly.
- 3 Mount the Controller using the pre-applied adhesive.
- 4 Route the cable to the Interface and plug into the port labeled "Controller".

### Shifter Bridge Box



- 1 The Shifter Bridge Box is weatherproof. To limit the number of cables routed through the firewall, we recommend installing the Bridge Box inside of the engine compartment.
- 2 Slide the included heat shrink onto the Bridge Box Interface cable then plug into the cable extending from the Bridge Box labeled "Interface" and route the cable toward the interior of the vehicle. Shrink the heat shrink onto the inline connector and secure the cable with zip-ties.
- 3 Route the cable to the Interface and plug into the port labeled "Shifters".

## Warranty

**ESCORT One Year Limited Warranty**  
**What this warranty covers:** Escort, Inc. ("Escort") warrants your Product against all defects in materials and workmanship.

**For how long:** One (1) year from the date of original purchase from an authorized Escort dealer.

**What we will do:** If a breach of warranty occurs, Escort, at its discretion, will either repair or replace your Product free of charge.

**What we will not do:** Escort will not pay shipping charges that you incur for sending your Product to us.

**What you must do to maintain this warranty:** Show original proof of purchase or receipt from an authorized Escort dealer.

**Warranty exclusions:** This warranty does not apply to your product under any of the following conditions: 1. The serial number has been removed or modified. 2. Your product has been subjected to misuse or damage (including water damage, physical abuse, and/or improper installation). 3. Your product has been modified in any way. 4. Your receipt or proof-of-purchase is from a nonauthorized dealer or internet auction site, including E-bay, U-bid, or other non-authorized resellers. 5. You are not the original purchaser of the Product from an authorized dealer or did not receive it as a gift from the original purchaser of the Product from an authorized dealer.

## Contact Us



Designed in the USA by Escort Inc.,  
Manufactured in Canada  
with components of Polish origin

ESCORT Inc.  
5440 West Chester Road  
West Chester OH 45069  
Sales / Service 800.433.3487  
www.EscortRadar.com

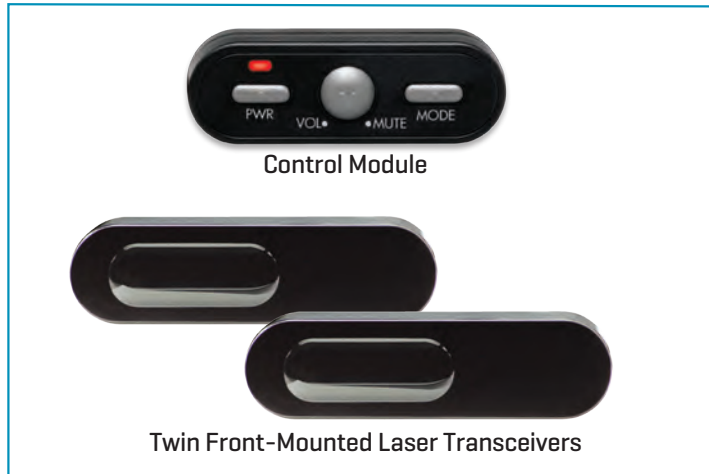
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THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRABLE OPERATION.

Some States do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. ESCORT is not responsible for products lost in shipment between the owner and our service center.

**Other legal rights:** This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.

# ESCORT® ZR5



## The Ultimate Laser Defense System

ESCORT, Inc.  
5440 West Chester Road  
West Chester OH 45069  
Sales/Service 800.433.3487

## Installation and Owner's Manual

## Congratulations and Important Warning

### Congratulations

Your new ZR5 is the most advanced defense system against targeting laser guns. ZR5 comes complete with twin front-mounted laser shifters, panel mounted controller, Interface with integrated speaker, modular connections, complete wiring harnesses, and mounting hardware. ZR5 also interfaces with select Escort radar detectors for the ultimate in driving protection.

Please read this guide in detail to get the most out of your new ZR5's performance and features.

Please drive safely.

### Please Note

This product may be limited or prohibited in some jurisdictions. Check applicable laws before using.



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## Safety Precautions

ZR5 was designed to meet high performance and quality standards; however, there are certain precautions that must be considered before approaching installation and operation:

- Use only original ZR5 parts included with your unit. Do not plug any third-party components into your unit, and do not plug any supplied components into any third-party products, as this may cause failure and will void warranty.

- Special care must be taken during installation of outer sensors, as damaging factory-installed cables or connectors may cause damage or device malfunction and may void warranty.

- While outer sensors are specially designed and manufactured to be installed outside and to operate in harsh environments, the Interface and Controller must be installed and kept in a dry place, preferably somewhere inside the driver's cabin. Failures due to improper installation may void warranty.

- ZR5 cannot detect through glass or other transparent objects, and certain materials may absorb infrared light.
- Check your local laws before using ZR5, as transmitted light can interfere with other laser equipment.

### Maintenance

Once ZR5 is installed, dirt and filth can accumulate on the front covers of the sensors, especially during the winter. To ensure peak performance, check front covers of sensors often and, if necessary, wipe clean with a cloth.

### Warning

Never, under any circumstances, look at the sensors while powered on and operating. Do not view with optical instruments (like magnifiers).



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## What's Included

### Interface



### Two Laser ShifterMax Sensors



- Twin weatherproof sensors
- 6-foot cables with waterproof connectors
- Mounting hardware and bubble level

### Controller



- Controller mounts easily to instrument pod, dashboard, or console
- Adhesive pads provided for secure mounting

### ShifterMax Bridge Box



- Weatherproof Bridge Box is used to connect ShifterMax Sensors to main Interface

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## Controls and Features



### Alert Indications

The Controller's LED will flash red when alerting. Since Laser signals are a possible threat no matter how weak, ZR5 alerts you with a full continuous audible alert along with a voice notification. The voice will announce whether the laser signal is front or rear.

If shifting is disabled, when ZR5 receives a laser signal it will say "alert" instead of "shifting".

### Power

Press the PWR button to turn ZR5 on. To turn ZR5 off, press and hold PWR until you hear "Powering Down".

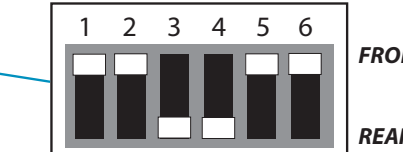
### Volume and Mute

Press and hold the VOL/MUTE button to adjust the alert volume level. The volume will gradually increase. To decrease the volume, release the VOL button and quickly press and hold the VOL button again. Once you've reached your preferred audio level release the button. Your preferred audio level will be stored in memory, even after the detector is turned off.

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## Interface Installation

- Install the Interface under the dash using supplied zip-ties.



### IMPORTANT!

When using optional Rear ShifterMax sensors ensure DIP switches 3 and 4 are moved down to the REAR position.

- Note:** Do not mount Interface inside vehicle's engine compartment!

- Connect black wire (-) to ground, and red-striped wire (+) to a switched 12-volt supply. If ZR5 is left "on" then it will automatically power on and off with the ignition.

- ShifterMax Bridge Box, Display Controller Module, and optional radar detector all plug into the Interface.

- It is recommended that after the Interface is installed and connected to power, all other components are plugged in and tested for proper operation before completing the installation.

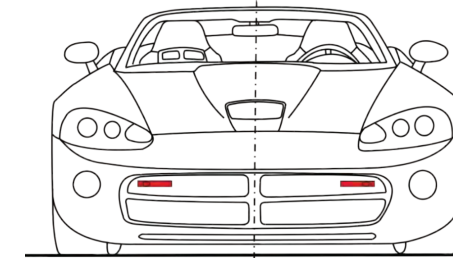
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## Sensor Installation

### Positioning Sensors

Install each sensor halfway between the side and the center of the vehicle.

For optimal performance, sensors need to be facing straight forward (or backward, if installing optional rear sensors), not at an angle. Make sure that each sensor is parallel with the road (using supplied bubble level).



### Note

Vehicle must be positioned on a flat surface in order to position sensors parallel with the road. Make sure that sensors have an unobstructed "view" of the road so the unit can function properly. Do not install sensors behind a solid surface, which would block laser transmission/reception.



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