



1stRadarDetectors

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Best in Test
Radar, Laser & Photo
Countermeasures

TLP, Blinder, Bel, Escort, Valentine

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Passport ZR4 Laser Shifter

What is LASER?

LASER technology used to measure speed is actually called LIDAR, which stands for Light Detection and Ranging. This light is invisible to the human eye, and is very difficult to detect.

How do LASER Guns work?

LIDAR guns project a beam of invisible infrared light. This light, or signal, is transmitted in a series of very short pulses, which move in a straight and narrow line to the target vehicle. Once this signal hits your vehicle, the light bounces back to the LIDAR gun. Your speed is then calculated by measuring the change in distance over time.

How widespread is LIDAR?

It's estimated that over 25,000 LIDAR guns are in use today. This number is growing every day. In some areas it has become the standard issue for law enforcement.

How serious a threat is LIDAR?

LIDAR is a newer technology for measuring speed than conventional radar, therefore, you may not encounter it on a daily basis. However, LIDAR is much more accurate, and because the signal (beam of light) is much narrower, it is extremely difficult to detect. In fact, some of the best radar/laser detectors may not provide enough warning to adjust your speed.

Do I need front and rear LIDAR protection?

YES! Law enforcement officers can target your vehicle from the front or the rear. Some speed traps are designed with the officer positioned on an entrance ramp, providing no visual indication of their presence. The rear sensor of the Laser Shifter ZR4 protects you from this kind of ambush.

Is Laser "Shifting" safe?

YES! The Food and Drug Administration regulates the use of Laser. The Laser Shifter ZR4 is safe, and accurate against targeting laser guns. However, this type of product may be limited or prohibited in some jurisdictions.

While there are no federal laws restricting the use of laser jammers, CA, UT, TN, MN, NB and VA may regulate their use. Check your local laws before using the laser "shifting" feature of the ZR4. **It also can be programmed to detect laser guns only, should you choose not to use the laser shift mode.**



SHIFTERZR4



Miniature Display/Controller



Interface



Front Laser Transceivers



Rear Laser Transceivers



Remote Mute Button

"link" the Laser Shifter ZR4 to the award-winning Passport 9500i & Passport 8500 X50



Blinder M25 & M45 Laser Jammer **Bel STi DRIVER** **Valentine One, V1 Remote** **Escort Passport 9500ix**

Rated #1, 360° High Performance, PRS1-STiR-360™ Prowler Remote™ System

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Got Performance™



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What control do I have over the Laser Shifter ZR4?

The Laser Shifter ZR4 is packed with useful features including front and rear indicators, volume control, mute, and manual "receive only" mode (patent pending). Since some of the LIDAR guns are equipped with "jamming codes," our exclusive "receive only" mode allows you to disarm the shifters during an alert - minimizing attention from the targeting officer. The new Laser Atlanta, Laser Atlanta Stealth and the Stalker LZ1 Laser guns are now supported by the ZR4.

Can I use the Laser Shifter ZR4 with my current radar/laser detector?

Yes. In fact, Escorts's exclusive design allows you to "link" the new Laser Shifter ZR4 to the award-winning Passport 8500 X50 or Passport 9500i - providing the ultimate protection against all forms of radar and laser encounters. This combination of detection and "Laser Shifting" is the best protection available.

Comes Fully Equipped

The Laser Shifter ZR4 comes complete with a comprehensive owner's manual and installation instructions, two front laser transceivers, one rear laser transceiver, in-car display controller, remote mute button, 12-volt interface with modular connections, complete wiring harnesses, mounting hardware, and Link Cable for connecting to the Passport 8500 X50, Passport 9500i. The ZR4 is integrated into the new Passport 9500ci remote radar detector.

Optional Passport 9500i Red Display Radar Detector



Features and Specifications

- Operating Band**
 - * Laser 904nm, 33 MHz Bandwidth
- Laser Detection**
 - * Quantum Limited Video Receiver
 - * Multiple Laser Sensor Diodes (6F, 3R)
- Laser Transmitter**
 - * Multiple Laser-Shifting Diodes (16F, 8R)
- Display Type**
 - * Hi-visible LED indicators
 - * Automatic Brightness Control
- Power Requirement**
 - * 12VDC, Negative Ground
- Dimensions (inches)**
 - * Display/Controller: 4.20 x 1.4 x 0.55
 - * Front Laser Transceivers: 4.65 x 1.8 x 0.80
 - * Rear Laser Transceiver: 6.00 x 1.0 x 0.65



Remote Mute



SmartCord
Included



Blinder M25 & M45 Laser Jammer

Bel STi DRIVER Valentine One, V1 Remote

Escort Passport 9500ix

Rated #1, 360° High Performance, PRS1-STiR-360™ Prowler Remote™ System

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