



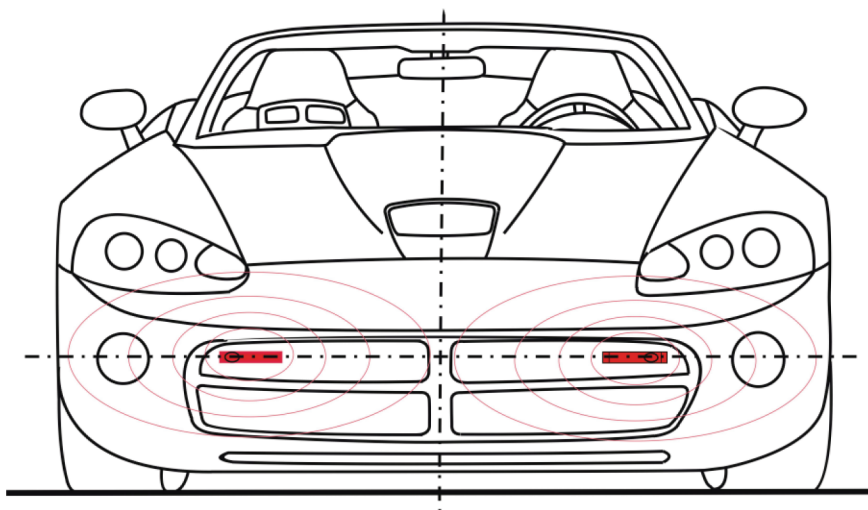
# User Guide



- Jams all known and unknown LIDAR Devices
- Dedicated and generic jamming algorithms
- PC Software for user configuration
- Upgradable Firmware, never obsolete
- Parking Aid



# User Manual



[www.laser-interceptor.com](http://www.laser-interceptor.com)

## **Laser Interceptor - Basic and Installation**

Laser Interceptor (**LI**) is a LASER based system designed to keep you and your vehicle safe in every day traffic.

**LI** is based on a quad receiver and dual LASER transmitter technology using military standards. The power of dual LASER transmitters are more then hundred times greater then those look devices that use LED technology. Quad receivers ensures the best performance combined with unique optical amplifiers used in this device.

**LI** is equipped with a serial RS232C port for communication with a standard PC using any Windows OS. Using provided software, users can set up various options in this device.

**LI** CPU is equipped with 4 ports for outer sensors, RS 232C, power supply connector and a built in speaker for voice alerts. There are also provisions for an external speaker and a radio mute.

Contents:

Inside of this package you will find :

- User Manual
- CPU
- 2 (DUAL) or 4 (QUAD) Sensors
- Power switch and Wire Loom
- Installation accessories

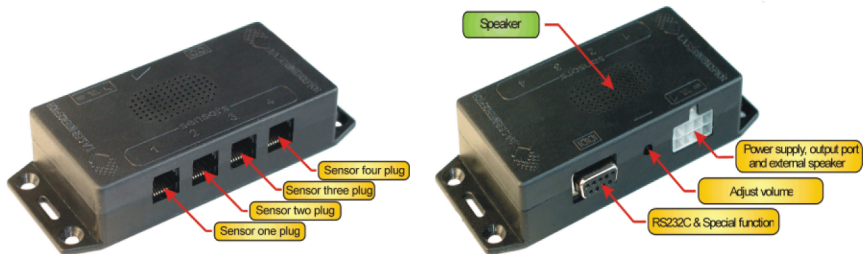
For more info on Laser Interceptor features please visit our web site at:  
<http://www.laser-interceptor.com>





1. CPU BOX is a high-tech device utilizing the latest technology control unit containing all needed software, firmware and hardware for problem free operation.

CPU BOX contains the following: (see illustration) :



1. 1-4 Outer Sensors Ports

2. PSOS port containing connections to power supply, power switch, warning LED, mute wire, and external speaker wires.  
(to enable external speaker you must change jumper position inside CPU (see illustration) for speaker jumper settings).

3. RS 232C port for communication w/ PC and optional as well as future functions.

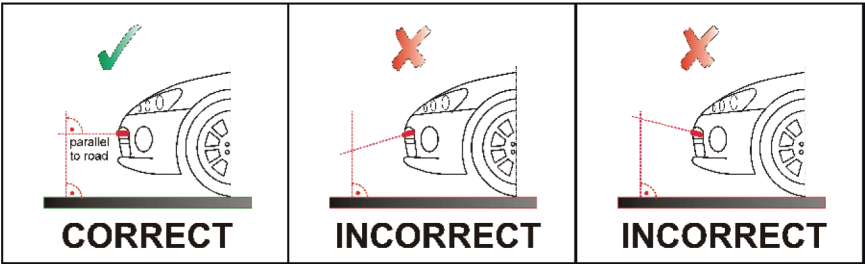
4. Volume trimmer for adjusting the volume of the voice alerts.

5. Built in speaker for voice alerts.

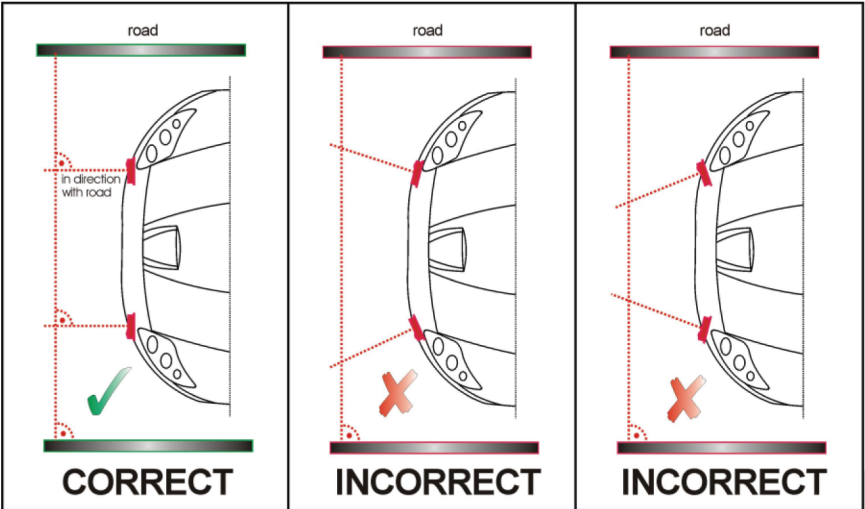
The CPU is designed for interior installation in your car. Make sure if you are NOT using external speaker, to mount the CPU so you can hear alerts from the built in speaker. (see illustration)

When installing, be careful to not to damage the cable or crimp connector upside down. There are 2 or 4 extra connectors provided in installation kit but use them only if you MUST. After you have finished mounting the sensors using provided brackets, make sure the sensors are parallel to road, not pointed up to the sky or down to the ground.

Side view (parallel to road)



Top view (parallel in front)



## Laser Interceptor Features:

### Parking Aid:

After installation, power on the device. The voice alert "welcome" should be announced. If there is no sound from speaker please check your power connection.

To test parking aid on your device, obstruct the sensor by using any object that is not black or transparent. By doing this you should be able to hear "beep's" from the CPU speaker. After 30 seconds, the parking aid will be automatically deactivated and you will receive a voice alert "parking aid is deactivated".

## WARNING !!!

Please check your local laws for using active laser jamming devices.

### Laser Interceptor specifications:

Laser Sensor wavelength: 905nm

Laser class: 1M

Power: 12-15 V

CPU BOX current: 70mA (max 700mA)

Outer sensors: 30mA

Operational temperature: -30 to +70 C



### Dimensions:

CPU BOX: 4 7/8"L X 2 1/4"W X 7/8" H

Outer sensors (normal): 3 1/8"L X 1 1/4"W X 9/16"H

Outer sensors (slim): 3 1/8"L X 3/16"W X 9/16"H

PSOS connector wires length: 40"

Sensors wires length: 18FT +/-

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## Warnings:

-Please take special care while installing sensors. We recommend installation in equipped and experienced workshop. Damaging cable may result in faulty operation. DO NOT CUT AND CRIMP new connectors if you don't know exactly what are you doing, opposite crimped connector may lead to permanent unit damage which is NOT covered under warranty.

- Since this device uses IR light it can not be used as relied parking aid since some materials absorb or do not reflect infrared light. When using parking aid rely on personal judgment. Black or transparent obstacles will not be detected.

- Use of Laser products can be regulated by your local laws. Please advise should this device be used in your area or NOT.

- DO NOT plug any third party equipment in to any plugs on CPU. DO NOT try to connect outer sensors on third party devices.

- When driving on longer distances periodically check for accumulated dirt or snow on outer sensors and use cotton wipe to clean lenses on outer sensors

## Maintenance

The unit is maintenance free, but you should check periodically that lenses on outer sensors are clean. You can clean them with any water based, alcohol means, or using a simple wipe.

**This device is class 1M laser product.**

**DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS (MAGNIFIERS) TO SENSOR HEADS WHILE ON !!**

LI sensors emit an invisible laser light (905nm) that can be harmful to sight. NEVER, under any circumstances look at the sensors while it is connected to a power supply.

## Service and support:

If you have any doubts if your device is functioning properly please e-mail us at:

support@laser-interceptor.com

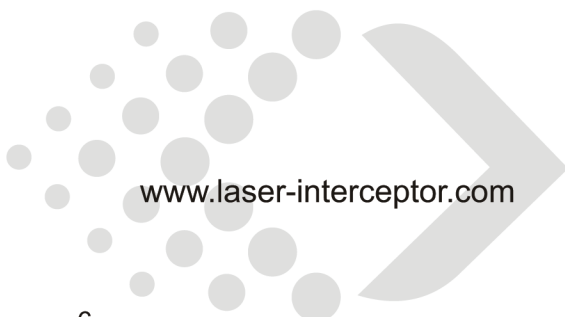
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## Warranty Conditions

During production and before shipping Laser Interceptor have passed many quality and performance checks. We offer a limited 2 years warranty to our product valid from date of first purchase. If you are not registered user you will need to provide us with a original bill with date and warranty card with stamp of distributor also with date on it. In case of DOA (dead on arrival) device will be replaced and shipping costs are on us. In case of replacement original warranty is applied to changed parts.

The warranty is NOT valid in case of physical damage to any part of unit or on units without visible serial numbers.

Installation and reinstallation fees, shipping costs, incorrect installation, opened units, units repaired from third party, and any kind of direct or indirect damage caused in use misuse or mounting of Laser Interceptor are NOT covered with any Warranty.

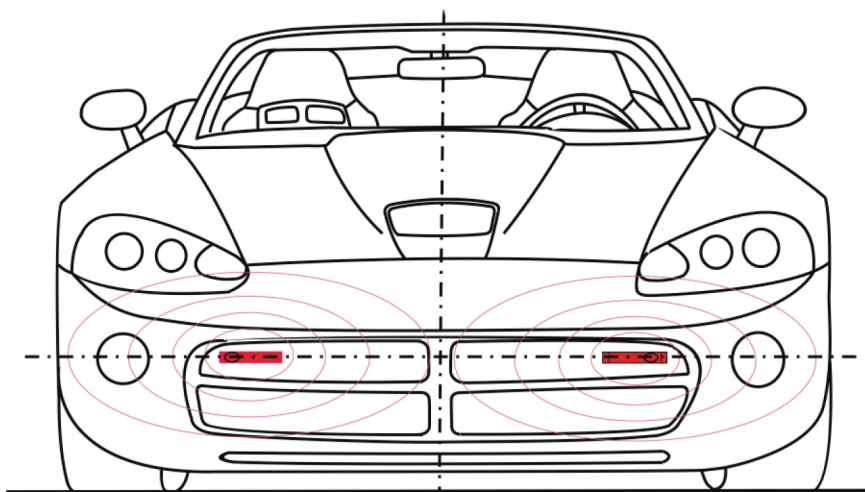


## Outer sensors



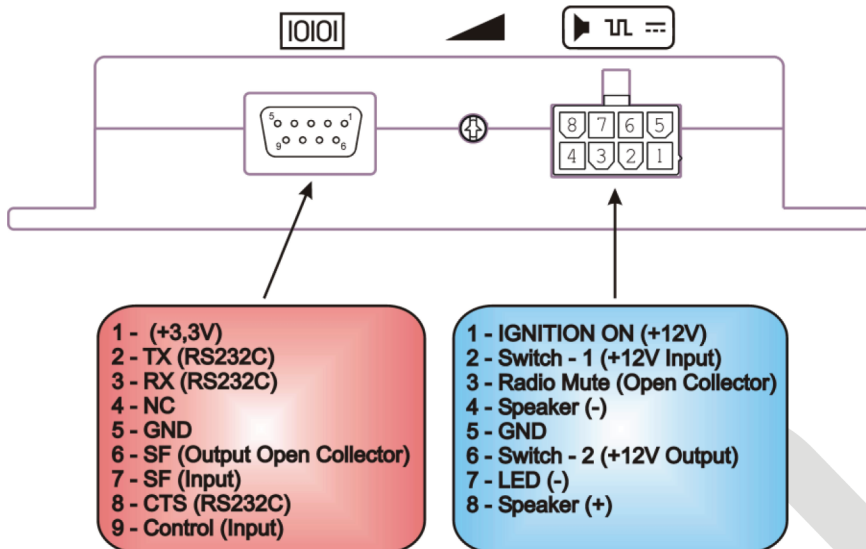
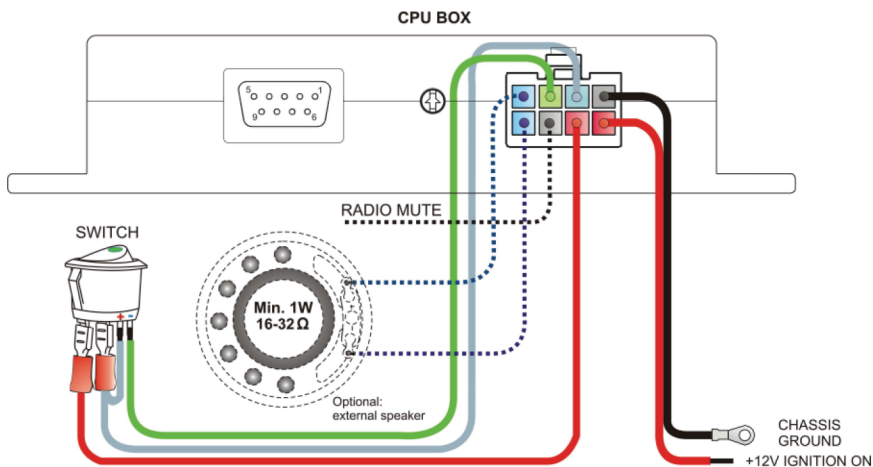
Outer sensors (see picture above) can be mounted in horizontal or vertical position, important is that sensors have a unobstructed "view" of road front and back (mounting behind plastic, metal, or glass objects including grills is NOT a option).

**The best way to allocate mounting position for outer sensors is described in illustration.**



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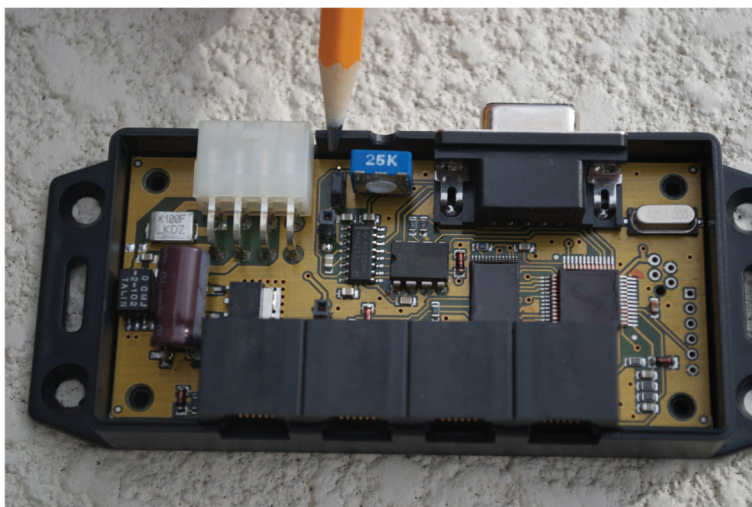
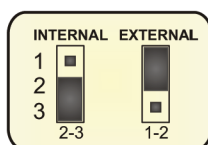
## Wiring diagram



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## Speaker jumper settings

To change jumper settings for external speaker please open the cover of CPU box and change the position of jumper as described on illustration. If you leave jumper totally open there will be **NO WARNING SOUNDS**.













**LASER INTERCEPTOR™**