



LORRY PARKING SENSORS

PARKING SENSORS
REVERSE GEAR AID SYSTEM



<http://automotive.paser.it>



LORRY PARKING SENSORS

TECHNOLOGIES



**ULTRASOUND
SENSORS**



**WIRELESS
NOTIFY**



**SAFE
REVERSE GEAR**

LORRY PARKING SENSORS

The system

LORRY PARKING SENSORS is the new reverse gear parking distance control system designed for lorries and commercial vehicles, developed by Paser.

The device is equipped with a ULTRASONIC technology, that allows to detect and communicate through audible warning buzzer and through visual notification by display **the proximity** to a possible obstacle encounter during the reverse gear maneuver.

The system highlights both the **distance in meters**, and the progressive increase of the hazard with the approach to the obstacle and operates a detection of a minimum of 20 cm to a maximum of 2 meters and 50 cm away from any obstacles.

The system **is activated when the reverse gear is on** and turns off when you remove the reverse gear.

The device is characterized by the following features:



QUICK INSTALLATION: thanks to the wired bar equipped with transducers for reverse gear aid, and thanks to easy plug & play connections with waterproof connectors, the system installation is very fast and simple



EASY TO USE: thanks to wireless buzzer display, the use of the system is really functional and comfortable



TRANDY DESIGN: the bar supplied with transducers and buzzer display are designed with special attention to design, modern and suitable for any type of vehicle



VERSATILITY: thanks to the supplied brackets, the bar with reverse gear sensors can be used on any type of Vehicle (truck, earthmoving, agricultural vehicle etc.) and on any type of Commercial Vehicle (van etc.)

The Display

The display of the **LORRY PARKING SENSORS** reverse gear aid system is characterized by a great simplicity of installation.

The only connections is to the reverse gear lights of the vehicle.



All data detected during the maneuver of reverse gear are received **wireless** and therefore are not necessary other additional connections between the cockpit and the rear of vehicle.

The buzzer display has a dual alarm function:

- **acoustic warning:** the display notifies by a repeated sound the presence of any obstacles in reverse gear and during the proximity of the obstacles, it increases the intensity and frequency of sound notifications.
- **visual warning:** the display notifies by an intuitive and useful graphic the presence of any obstacles in reverse gear and during the proximity of the obstacles, it advises, also with different colours according to the risk of collision, the distances measured in real time; when the vehicle is too close to the obstacle (under 30 cm) it is also signaled the danger with a flashing P.

The parkign sensors module



The **bar of the reverse gear sensors** is the ideal support for the use of lorries and commercial vehicles, as they constitute a single module that incorporates the 4 transducers, the connections and the control unit.

The bar is also made of **stainless steel**, therefore resistant to weathering and frost, so to ensure an optimal aesthetic duration by time for your vehicle.

The bar is sold pre-wired and equipped with sensors and control unit of the reverse gear sensors.

The bar is easy to install, thanks to the 3 anchor brackets provided in the kit.

All the jacks to be connected are **Plug & Play** and protected by a secure and waterproof connection system.

There are no other additional connections, as the transducers communicate totally **wireless**.

The central unit



The control central unit of reverse gear sensors is the hearth of LORRY PARKING SENSORS system, since it is the intelligence that manages the detections of 4 transducers and wireles communication between them and the display located in the vehicle cockpit.

The central unit is in **ABS**, therefore resistant to weathering and frost, thus to ensure the function of the system in every weather condition, in a stable and durable way.

The central unit is just sold connected to the 4 transducers and easy to install, thanks to the two anchor brackets embedded in its plastic shell.

All jacks are **Plug & Play** and protected by a secure and waterproof connection system.

The only connection to be made about the central unit is to connected it to the reverse gear lights of the vehicle.

There are no other connections to be made: infact the transducers communicate totally **wireless**.

The display installation



Concerning the installation of the display buzzer, we suggest to find a comfortable and functional place for a correct view for the driver.
We suggest to place the buzzer display on the vehicle dashboard, turning the small monitor toward the driver's seat.
So, thanks an adhesive pad, you can firmly fix the buzzer display.
Finally you can proceed to the connection of the buzzer display with the reverse gear lights of the vehicle.

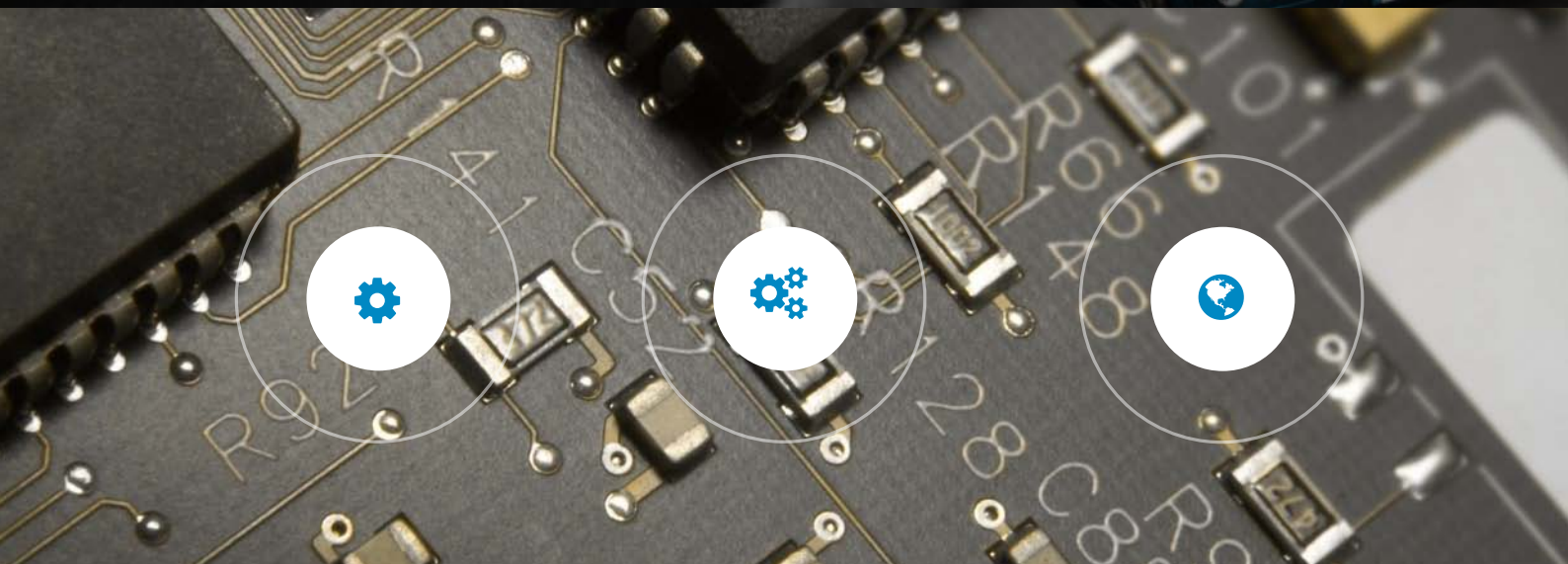
The bar installation

Concerning the installation of the bar with transducers, it is sufficient to find the most suitable location on the back of the vehicle, remembering that the bar must not be mounted to more than 50 - 70 cm from the ground. So, thanks to the stainless steel brackets provided in the kit, you can fix the bar to the back of the vehicle

Finally you can proceed to connect trasdcutor central unit with the reverse gear lights of the vehicle and then to fix the central unit through comfortable anchors embedded in its plastic shell.



Technical specifications



>> UNIVERSAL DEVICE

Voltage: 24 V +/- 2 V

Central unit operational voltage: 35 mA +/- 5 mA

Precision detection: 0,3 m - 2,5 m

Display operational voltage: < 200 mA

Buzzer: 70 - 90 dB

Working temperature: - 40° C + 80° C

Bar size: 200 x 4 x 4 cm

Display buzzer size: 5 x 4 x 7 cm

Paser products

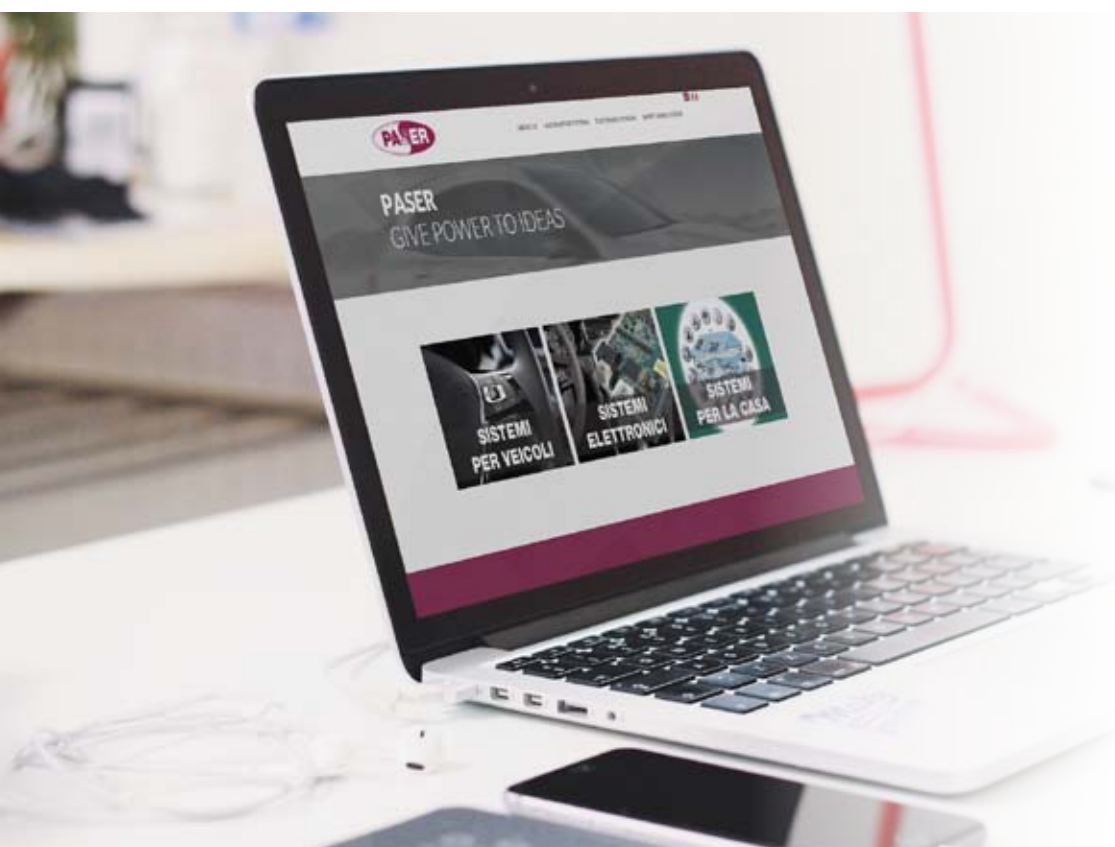
The Paser culture is characterized by a strong focus on innovation and flexibility, with a particular and constant focus on the Customer.

All Paser products are universal and compatible with each type of vehicle.

All entire Paser production cycle is developed in Italy.

All Paser products are known for ease of use, excellent quality and exquisite design.

Paser is certified UNI EN ISO 9001: 2008, ensuring total quality in all business processes, from design, to production, to after-sales services such as highly **qualified technical assistance!**



Paser products



Study

Specific solutions studying, versatile and multifunctional for the protection and security of your Transport Vehicle



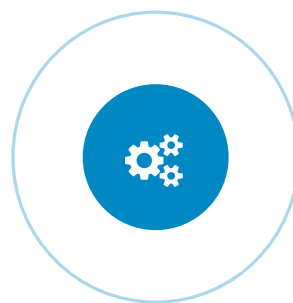
Design

Realization of devices with cutting-edge design and suitable for all types of automotive configuration



Installation

Easy installation, ensuring system efficiency, ease of use and total safety for the end user



Develop

Nearly all connections are Plug&Play, simple and intuitive, in order to reduce costs and installation times



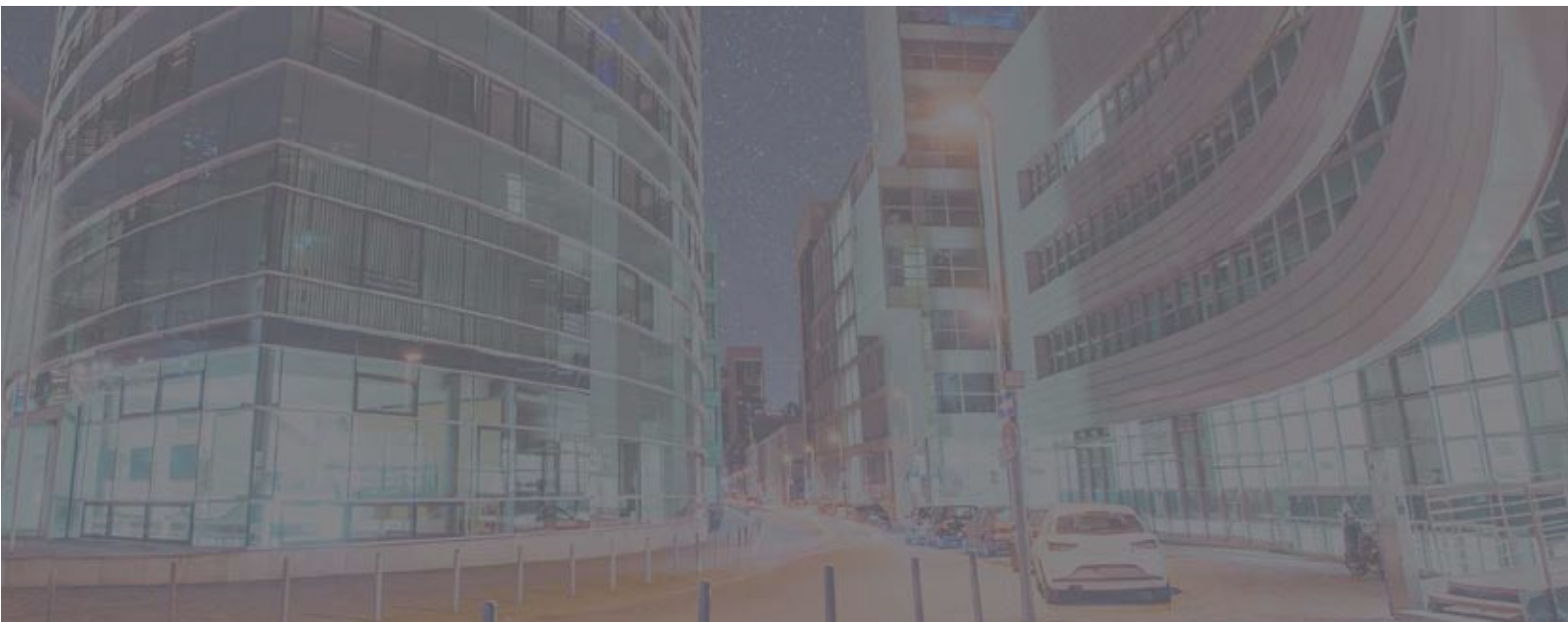
LORRY PARKING SENSORS

Paser products

Paser boasts an experience of over 20 years in the electronics applied to the most different sectors.

Paser Alarms integrate the functionality and the most common features of the alarms in the world for civil vehicles and homes, with the specificities of each time needed in varied contexts.

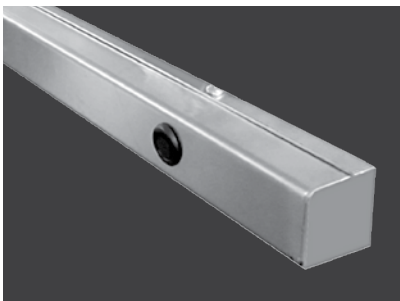
The **Paser Alarms** constitute a whole of integration between the various security contexts, protection and tracking systems and thus allow to the end user to install and use an **advanced technology system** that covers in their entirety the requirements for the protection of the vehicle, but offering a use and operation **easiness for everyone!**



Paser products

The Paser Electronic devices are designed, made and produced by the company PASER Ltd., for over 20 years a leader in the electronic industry!

PASER also offers the service of study and realization of Electronic devices for all uses and applications!



Design



Comfort



Easy to use

LORRY PARKING SENSORS

Contacts

Paser is always at your disposal!



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