

LASERnode LN1 user manual.

Overview

State-of-the-art wireless transmitter for laser diffusers.

The Cheetah LASERnode makes other manufacturers' products ActiveStealth compatible allowing their warnings to be integrated with GPS on a single in-car device.

Simply connect to any compatible laser diffuser and it transmits the alerts wirelessly to ActiveStealth GPS enabled PDAs, smartphones or satellite navigation systems.

It also enables diffusers to work with any Cheetah warning unit, making their alerts useable on a motorcycle.

Essential Accessories:

1. A corresponding LASERnode connector cable is required for each diffuser. This is supplied free of charge with the original purchase of a LASERnode unit.
2. A Cheetah power supply is also required (not included). Choose from one of the following to complement the installation:
 - POWERSENSEnode for simple, easy, automatic power control. Switches power ON when the engine is running and OFF when the engine stops.
 - STEALTHnode for total ActiveStealth GPS control of external equipment.
 - Hard wire cable to connect to a fused, switched power supply.

Works with:

The LASERnode wirelessly connects the world's top laser diffusers to any Cheetah display unit, including ActiveStealth enabled GPS devices. See www.speedcheetah.com for full details of compatible laser diffusers and display units.

Installation

All Cheetah cables and accessories are fitted with Cheetah's 2-pin mini connector plugs to ensure easy installation. These plugs simply push together and lock securely. They can be easily unclipped at any time by pressing the small lever downwards and gently pulling apart.

Location

The LASERnode is weatherproof. We recommend the use of a protective casing to enclose the diffuser's interface box, which might not be weatherproof. Mount the equipment high up and to the side of the engine bay, ensuring it is far away from the engine. This will further protect the electronics from excessive heat, dust and moisture. Run the cables in such a way as they are securely fastened and do not come in to contact with any engine part that generates high heat, such as the radiator, exhaust system or the engine block.

Fitting

Step 1. Mount the diffuser head according to the manufacturer's instructions.

Step 2. Connect the diffuser to the Cheetah LASERnode. See the simple diagram supplied with the appropriate LASERnode connector cable for further details.

The POWER OUT cable supplies power to the laser diffuser.

The BUZZER IN cable receives buzzer alerts from the laser diffuser.

Step 3. For stress free power control, clip the LASERnode's POWER IN cable to a POWERSENSEnode or STEALTHnode attached directly to the vehicle's 12V battery. Alternatively, use the hard wire cable to connect to a switched, fused supply.

Technical Details

Power Requirements: 11.0-15.0 Volts DC
3A max

Dimensions and Weight:

Temperature Range: Operating: -20°C to +70°C (-4°F to +158°F)
Storage: -30°C to +85°C (-22°F to +185°F)

How to interpret alerts

The Cheetah LASERnode will transmit diffuser alerts wirelessly to any Cheetah warning unit for as long as the original diffuser's buzzer was programmed to alert. The actual display will depend on which other Cheetah warning unit is installed.

Support

Troubleshooting

If for any reason the LASERnode develops a fault, please check our support page on www.speedcheetah.com/support, contact us at support@speedcheetah.com or telephone us on + 44 (0) 870 243 3824.

If any problems persist, please email [www.speedcheetah.com/support](mailto:support@speedcheetah.com)

Product registration

Register online at www.speedcheetah.com/support

You do not need to register your product with us if you bought directly from www.speedcheetah.com

Accessories

Full details of accessory products are available on our website at www.speedcheetah.com

Service

If any Cheetah product needs repair:

Before sending any products back to us for service, please check our support page on www.speedcheetah.com/support, contact us at support@speedcheetah.com or telephone us on + 44 (0) 870 243 3824.

Ensure that the diffuser product is functioning correctly as a stand alone unit.

If the LASERnode still fails to function, follow these instructions to obtain factory service.

Where to ship:

Return the unit and any automatic power control unit (don't send the external fuse), to:
Cheetah Advanced Technologies Ltd
Birchbrook House
Doune Road
Dunblane
FK15 9ND.

How to ship:

Ship the unit prepaid and insured, in its original packaging or other strong protective packaging. We cannot be held responsible for any returned product until it has been delivered to our premises. Insist on a proof-of-delivery receipt.

Please include the following information with your return:

- a) your name and return shipping address
- b) description of the problem
- c) your daytime telephone number
- d) proof of purchase if you did not buy the unit directly from us

Out of warranty repairs:

If your unit is out of warranty (older than one year), we will contact you with an estimated repair cost. If the unit has been damaged, abused or modified, the repair cost will be calculated on a parts and labor basis.

Features, specifications and prices subject to change without notice

Limited Warranty

Cheetah Advanced Technologies Ltd. Warrant our products against all defects in materials and workmanship for a period of **one year** from the date of the original purchase, subject to the following terms and conditions.

This warranty is limited to the original owner, and is **Non-Transferable**.

This warranty does not apply if the serial number has been removed or is unreadable or if the product has been subjected to physical abuse, improper installation, modification or internal examination.

To obtain warranty service, the product must be returned, insured and shipping prepaid, to Cheetah Advanced Technologies Ltd., at the address shown, in its original packaging or a suitable alternative, together with a written description of the problem, proof of purchase and a return shipping address.

The sole responsibility of Cheetah Advanced Technologies Ltd under this warranty is limited to repair or, at discretion, replacement of the product.

Cheetah Advanced Technologies disclaims all other warranties, expressed or implied, including warranties of and fitness for any particular purpose or merchantability.

Cheetah Advanced Technologies Ltd accepts no liability for any incident or direct, indirect or consequential claim arising from the possession, use or misuse of this product.

Legal: See "Self declaration doc" for non tested products wording.

CE: Cheetah Advanced Technologies Ltd. declare that this product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

FCC symbol: 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
undesired operation.

Notice : The changes or modifications not expressly approved by the party responsible for compliance could void the user' s authority to operate the equipment.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment

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