

M27rider

THE **BLINDER** FOR BIKES

Distributed in the USA by:

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Cheetah

M27rider



Owner's Manual

Version 1.0

BLINDER
AUTHORIZED DEALER

Thank you for purchasing the Cheetah M27 Rider, the only laser jamming system that's custom made for motorcycles. Another world first from Cheetah.

Your new laser jammer is based on the super effective "jamming engine" of the Blinder M27 X-TREME platform, so it can detect and protect against all the different laser guns in use today without showing jamming codes on police laser. The officer sees the same normal error messages his gun gives all the time so there is no indication that he is being jammed.

The Cheetah M27 Rider jams every laser gun in use today and what's more, it's future proof. There's a free factory upgrade service for when new laser guns are released.

And don't forget, if you have one of the top performing radar detectors listed on page 10, like the Valentine 1, then we sell optional extra Radar Detector Interfaces that link your existing radar detector up wirelessly with the Cheetah M27 Rider. The VizAlert display that's part of your system is the most advanced radar detector display in the world and it shows you different colors for different radar or laser bands, and flashes more quickly as the signal strength gets stronger. It's the only heads up display that lets you know exactly what's going on, without looking down.

Ride safe and ticket free,



Alisdair Smith, Director
Cheetah Advanced Technologies

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



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.

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.

Warranty Registration

To register for warranty purposes, please visit
www.register.SpeedCheetah.com

Please attach your receipt here for future reference. If you do not register online and later require warranty support, you will need to send a copy of it to us as proof of purchase.

Uncage your radar detector...and unleash your 6th sense!

Cheetah Interface for Valentine One



Cheetah Interface for Valentine One's with Concealed Displays or Remote Audio Adapters



Cheetah Interface for Beltronics STi Driver



Cheetah Interface for Beltronics RX65



Cheetah Interface for Escort 8500 X50



Cheetah Interface for Escort SR7, SR7+ or SRX
High performance, waterproof radar detectors suitable for concealed mounting under a motorcycle fairing



Replacement component parts for your M27rider, like cables, power supplies or handlebar switches are available on request.

Full details and pricing for all M27rider accessories are on www.SpeedCheetah.com.

Other Cheetah Products

The Cheetah line of quality products includes:

C50 - GPS speed camera detector

C100 - GPS speed camera detector

GPSmirror - Wide angle safety mirror with built in camera detector

Radar Detector Interfaces for C100 & GPSmirror - For false alarm suppression

Laser Jammer Interfaces for C100 & GPSmirror - For wireless integration

VizAlert - Motorcycle helmet display for radar detectors

ActiveStealth - Speed camera software for Windows Mobile devices

Wireless Fitting Kits - For quick and easy installations of laser jammer systems

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Box Contents

- 2 x Blinder M27 XTREME laser jammer heads (short cables & waterproof connectors)
- 1 x Fitting kit for jammer heads
- 1 x Wireless waterproof control box with status LED
- 1 x Waterproof handlebar kill switch
- 1 x POWERnode engine running sensor
- 1 x Fuse pack
- 1 x VizAlert Helmet Display
- 2 x CR2302 cell batteries
- 1 x Allen key to unlock battery cover
- 1 x 3M double sided, self adhesive fixing pad
- 1 x User manual



- 1 Blinders**
Laser Jammer heads must not be obscured
- 2 Status LED**
Confirms when blinders are on
- 3 Handlebar Kill Switch**
Slow down, turn blinders off, police laser gets your speed.
- 4 Wireless Control Box**
The “brains” of the system
- 5 POWERSENSEnode**
Easy fit power supply for no hardwiring
- 6 VizAlert**
Helmet display so you never miss an alert
- 7 Boom Arm (optional)**
For Cruiser style or open face helmets

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. 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 fitness for any particular purpose or merchantability. Cheetah Advanced Technologies Ltd accept no liability for any direct, indirect or consequential claim arising from the use or misuse of this product or from any incident arising from an installation that inhibits the correct operation of an airbag or any other vehicle system.

Features, specifications and prices subject to change without notice.

Warranty Service

Before sending any products back to us for service, please check our support page on www.support.SpeedCheetah.com or contact us at support@SpeedCheetah.com. Do not attempt to service this product yourself. Do not open, puncture or disassemble the unit or your warranty will be void.

To obtain factory service, the product must be returned to Cheetah, at the address below, in its original packaging or a suitable alternative. We cannot be held responsible for any returned product until it has been delivered to our premises - please ensure you use a mail service that is insured against loss, and that you can track. You must also include a description of the problem, your name, return shipping address, daytime telephone number and proof of purchase.

Proof of Purchase

Please keep your store receipt in a safe place. If you did not buy the unit directly from Cheetah, or register the warranty online, you must include a copy of your dated store receipt with any returned unit. If no copy of the receipt is included, out of warranty service charges will apply.

Where to ship:

UK Cheetah Advanced Technologies Ltd
Birchbrook House, Doune Road, Dunblane, Perthshire, FK15 9ND

USA Cheetah USA LLC
3317 South Higley Road, #114-178, Gilbert, Arizona, 85297

Europe Please email us at support@SpeedCheetah.com for country specific & **Other** return address details.

Starting up your system

The jammer and the helmet display operate independently from each other.

VizAlert Helmet Display

The VizAlert is motion sensitive. Normal movement will switch it on and all 6 LEDs will flash once, at the same time, to confirm it is switched on.

Blinders

The POWERSENSEnode attached to the battery will turn power to the blinders on when you start your motorcycle's engine. It remains on for as long as the engine is running. The STATUS LED will give 2 Red flashes and then change to a constant green to show that your blinder heads are switched on. If the STATUS LED does not light up, turn the blinders on with the handlebar switch.

When you power up your blinders, the transmitter inside the Wireless Control Box will begin to transmit to the VizAlert helmet receiver. All the LED's will flash in a circular sequence when the wireless link has been established.

Testing your system

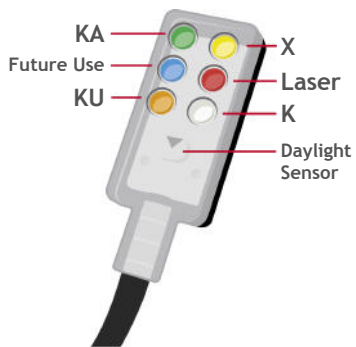
You can then test the product by activating the test feature of the Blinder using a TV remote control within 30 seconds of switching the blinders on.

Switching off your system

When you switch off your engine, power to your jammer is automatically cut off, so you won't get a flat battery.

The VizAlert will remain switched on for as long as it is communicating with the Wireless Control Box. It will switch off automatically, 10 minutes after the Control Box is switched off and there is no movement. All 6 LEDs will flash twice to confirm it is switching off.

Interpreting alerts from the VizAlert LED display



Laser jammer alert = Red LED flashing rapidly

Power ON = All 6 LEDs flash once.

Power OFF = All 6 LEDs flash twice.

Wireless link established = All 6 LEDs flash in sequence

No wireless link = Yellow and Orange LEDs will flash alternately 6 times, every 30 seconds, until the wireless connection is re-established.

Low battery = Green, Blue then Orange LEDs flash in sequence. You should replace the batteries soon.

The other colors are used for radar detector alerts.

Light sensitive

The VizAlert display incorporates an automatic dimming facility which will reduce the LED intensity at night time. You may further wish to rotate or completely hide the display to avoid inhibiting your night vision.

Installing the batteries

Using the Allen key provided, remove the three screws that secure the battery cover plate to the helmet receiver.

Insert 2 x CR2032 3V button cell batteries with the positive side facing upwards. The batteries securely click into position.

Batteries should last more than 40 hours during normal operation. Replacement CR2032 3V batteries are readily available at all good battery stockists.

Replacing batteries

Using a pen or similar plastic object, gently push the battery away from the centre and lift. Do not bend the small black clip more than 1mm or it may break!

Installing the VizAlert on your helmet

The mounting location for the receiver and LED display on your helmet is a matter of personal choice. Before using the self adhesive pad, you may like to experiment with different locations until you find the one that works best for you.

For full face or flip face helmets, we recommend mounting the VizAlert vertically in the centre of the back of your helmet to minimize wind drag. The LED display can be held securely in place by your helmet's cheek padding, so that it does not move during use. As you become more used to the display, you may prefer to move it more towards the side of your helmet, in your peripheral vision.

For "Open-face" or cruiser style helmets, we recommend mounting the VizAlert on the side of the helmet with the cable exiting towards the rear. The boom arm and sun cowl to hold the LED display in the correct place can be inserted between the helmet skin and cheek pad, or fixed to the outside of the helmet.

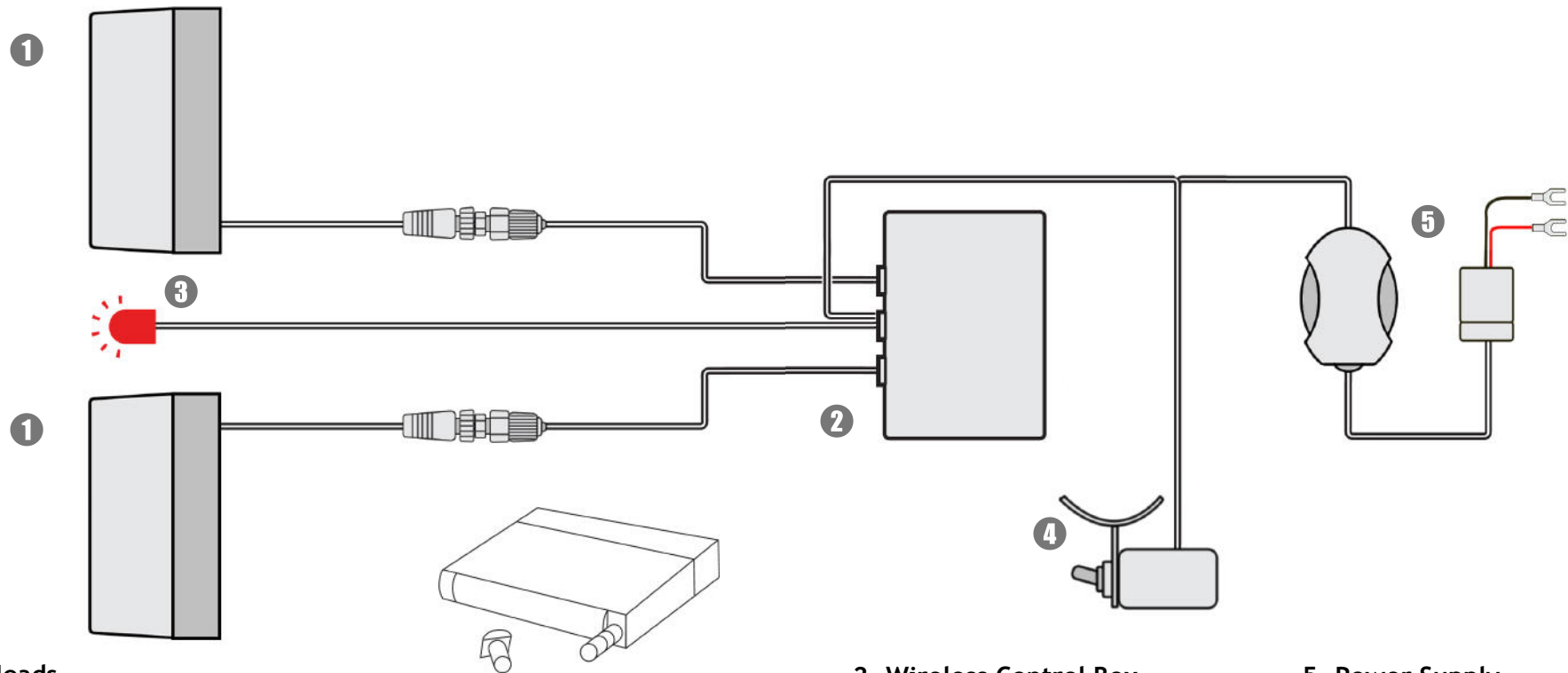
Please note that the beam from the LED display is directional, so care must be taken when mounting to ensure that the raised "bubbles" are kept pointing directly towards your eye, otherwise you may miss some alerts. To begin with, we recommend placing the LED display as close to the front as possible but please note that it must never be mounted where it interferes with your forward vision.

IMPORTANT

It is your responsibility to ensure that your helmet will not be damaged or affected in any way relating to safety, structural integrity or cosmetically by installing this product. Some helmets can be damaged by petroleum based adhesives commonly found in paper or plastic stickers, including the supplied self adhesive pad. You should always check your helmet manufacturer's instructions regarding this. It is also your responsibility to ensure the helmet's warranty will not be affected by using a self-adhesive pad.

If you are in any doubt, you should not attach the receiver to your helmet. Cheetah will not accept any liability for any damage or claim resulting from the use of this product.





1. Blinder Heads

There are 2 heads for front and rear protection. Some bikes are easy, some are tricky, all are different. In general, on faired bikes fit the front jammer under the fairing at the nose of the bike using the brackets supplied, or 3M Dual Lock Velcro (not supplied). On naked bikes it is best practice is to try to install the Blinder heads as close to the front headlight as possible.

It's very important that the transponders are mounted correctly: Laser beams cannot pass through objects so the Blinder heads must have a clear view. The heads must point straight ahead and be level, i.e. they must be horizontal to the road surface and parallel to the driving direction. Incorrect alignment may result in failure to detect and protect against police laser. On the outer side of the front on each head you will find a detachable plug. Remove one plug on each head, and put the spirit level into the cylindrical hole. Now you can carefully adjust the angle of the heads to horizontal position. After finishing the adjustment, re-mount the 2 plugs into the front of each head.

Safely route the cable from the Blinder Jammer heads to underneath the seat and secure it to the bike wherever possible. Ensure the cables will never come into contact with any high temperature engine component or the exhaust system.

2. Wireless Control Box

Position the Wireless Control Box underneath your seat. It is waterproof so can be installed elsewhere on the motorcycle if required. Then plug and screw together the waterproof connectors from the heads.

3. Status LED (OPTIONAL)

Run the Status LED to your instrument cluster and install it in a suitable location.

4. Handlebar Kill Switch

The kill switch must be connected in-line between the Interface box and the POWERSENSEnode. The small black connectors are pre-connected, but can be unplugged by pressing the small black lever. Secure the kill switch to the handlebar or hand grip using the cable ties provided.

5. Power Supply

Connect the POWERSENSEnode and fuse pack directly to the battery terminals.

The POWERSENSEnode is an intelligent engine running sensor, which replaces the need for direct wiring into your bike's electrical system.

WARNING!

Blinders emit infrared (IR) light not visible to the human eye. Do not look directly into the heads at close range as this might cause eye damage after prolonged exposure.