

Eagle eye

Laser front axle alignment system

Thankyou for purchasing the **Eagle eye** laser front axle alignment system.

We hope this equipment will give you many years of service and live up to the name of **R3 Racing** for good product design at an affordable price.

The **Eagle eye** contains many novel features and design advantages. Please take time to read and understand the instructions in order to get the best from this equipment.

What it can do.

Eagle eye is for checking and setting the Toe, Camber and Caster angle on most types of Kart. It has the ability to fit the stub axles of 17mm dia (standard fixed gear) directly and larger stub axles to 40mm (Gearbox or Shifter Karts) with the extension set. It can also be fitted on both these with or without the wheels on the stub axles. Thus dynamic settings can be achieved. Because of its unique design the laser beam is kept well clear of the king pin arrangement. It can also be used in conjunction with our Rear axle alignment system to provide a complete set-up arrangement.

Specification.

Light source	: Class II solid state laser
Control	: Multi mode Microprocessor controlled modulated beam either modulated or full power.
Accuracy	: Better than 0.5mm for Toe and Camber (measured at 100mm from stub axle)
Bubble	: +/- 30 arc minutes
Power	: Lithium primary cell type CR2 (commonly available)
Battery life	: Sleep mode up to 5 years : Wake mode up to 70 hours continuous use
Operation	: Short press for low power, long press for full power : One press for OFF : Auto OFF after about 8.5 minutes
Axle sizes	: 17mm (up to 40mm with additional extension set)
Material	: Aluminium alloy for body
Weight	: Each unit weighs approximatly 750gm (kit weighs 1.62Kg)

Maintainance.

Keep clean by removing excess oil and other materials. Avoid water and keep from rain. This product is not waterproof. Lightly oil the axle bushes and avoid corrosion.

Do not drop. (**R3 Racing** provide a recalibration service should this occur.)

To replace the battery remove the 4 screws behind the target. This exposes the battery which can be gently prized from its holder and replaced. Note carefully the polarity!!

Warranty.

This product is warrantied against faulty materials and workmanship for 12 months.

Applies to UK and NI only.

R3 Racing

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