

# MULTI-RAY 500

## 40 mm Fire Control Unit



The Multi-Ray 500 is a rail mounted fire control unit specially designed for 40mm low and medium velocity grenade launchers and shoulder launched rockets (e.g. M72/AT4). Its unique light weight construction adds just a little over 300 grams to the host weapon. The Multi-Ray 500 supports multiple weapons and ballistics, it increases the precision of the weapon system and the effectiveness of the user, while simplifying training and reducing cost.

**Set Distance – Aim – Fire.**

### CHARACTERISTICS/FEATURES

- Light weight
- Highly accurate (1 meter accuracy)
- Highly flexible
  - Supports multiple weapons
  - Supports multiple top sights
  - Supports multiple ammunitions including air burst (40mm and rockets)
- Ambidextrous – Designed for both right and left handed shooters
- Day and night capable (IR target marker and illuminator incl.)
- Quick selector for two predefined ballistic tables
- Storage for up to 32 ballistic tables
- Fixed graduated scale
- User customized display (1, 5 or 10 meter steps)

### YOUR BENEFITS

- Significantly improved first hit probability
- Reduced ammunition consumption
- Increased mission endurance
- Operational in less than 0.5 seconds
- Easy to handle/employ
- Supports all users (left and right handed)
- User customizable for best performance
- Reduced engagement time
- Cost effectiveness

## DEVICE DATA

### General

Length x width x height	125 x 62 x 100 <sup>1)</sup> mm
Extension from rail	55 mm
Weight incl. batteries, rail mount and reflex sight	330 grams
Battery	1x DL123
Battery life	4 h (Dual IR 30/30mW)
Waterproof	30m for 2h
Operating temperature	-32°C to +71°C

### IR aiming laser

Max. power output available	0.7/30mW
Wavelength	850 nm
Beam divergence	0.5 mrad

### IR illuminator with electronic focus

Max. power output available	3.5/30mW
Wavelength	850 nm
Beam divergence	10 mrad to 100 mrad

### Ballistic computer

Type	RSE Algorithm
Max. storage capacity	32 ammunitions types
Distance setting	Manual input of range
Tilt/Elevation range	0° to 45°
Atmospheric sensors	Pressure, temperature
Airburst programmer	Interface to external programmer
Canting assistance	In display, blinking red dot sight and blinking IR laser

<sup>1)</sup> Height is including Trijicon RMR reflex sight.

Laser power output is listed at max. capacity.

Laser power output can be limited by a blue safety screw for training purposes (eye-safety).

All laser powers are +0%/-20% and all wavelengths are within ± 10 nm over temperature range and battery life.

**Rapidly and accurately engage targets at range**



Set distance



Aim



Fire



**Rheinmetall Soldier Electronics GmbH**

Bodenseeallee 3 · 78333 Stockach · Germany · sales.rse@rheinmetall.com · www.rheinmetall-defence.com