

Communication Hardware

R-358 Computer Interface A-908 IR Receiver A-910 (900 MHz and 2.4 GHz)

Computer interfaces and new wireless receiver technology

R-358 Computer Interface

The R-358 computer interface provides exceptionally high accuracy (.00004" resolution) for downloading target data to Hamar Laser's alignment software. The interface attaches to the computer with an RS-232 cable, and it is powered by a lithium ion battery for long life and usage. An AC adapter/charger is provided, and the unit features LED charging and power indicators. Also available is a standard-resolution version (.0001"). The R-358 interface can support two single-axis or dual-axis targets, (a 10-foot splitter cable is available as an accessory for operating dual-axis targets) or one 4-axis target.

A-910 Radio Transceiver/Hub (900 MHz and 2.4 GHz)

Hamar Laser's A-1519/1520 Type II Universal Wireless Targets incorporate a built-in radio transceiver, available in 900 MHz or 2.4 GHz ISM band. Operating through the A-910 Radio Transceiver/Hub, up to 99 Type II Targets may be connected as a Target System Group, and up to ten Target System Groups consisting of 99 targets per group may be used at one time. Power is supplied by a 3.5 volt lithium ion, rechargeable battery or by the computer's USB port. When connected to the USB port, the battery charges automatically. For fewer than four targets, the A-910ZB is a very small, USB-powered 2.4 GHz radio transceiver that can read up to four targets simultaneously.

The 900 MHz model has an indoor range of 300 feet (91 meters) and the 2.4 GHz model has an indoor range of 600 feet (1.83 meters). Data transmission is 4 mW and 50 mW respectively.

A-908 IR Receiver

The A-908 IR Receiver is a wireless data receiver that operates with Hamar Laser's wireless targets. It uses an infrared, frequency-modulated receiver that does not interfere with radio-based communication systems. The receiver has a range of 10-100 feet, depending on the target used, and an acceptance range of ± 85 degrees. The unit is powered by a replaceable 9V battery.



R-358 Computer Interface



A-910 Transceiver/Hub (900 MHz/2.4 GHz)

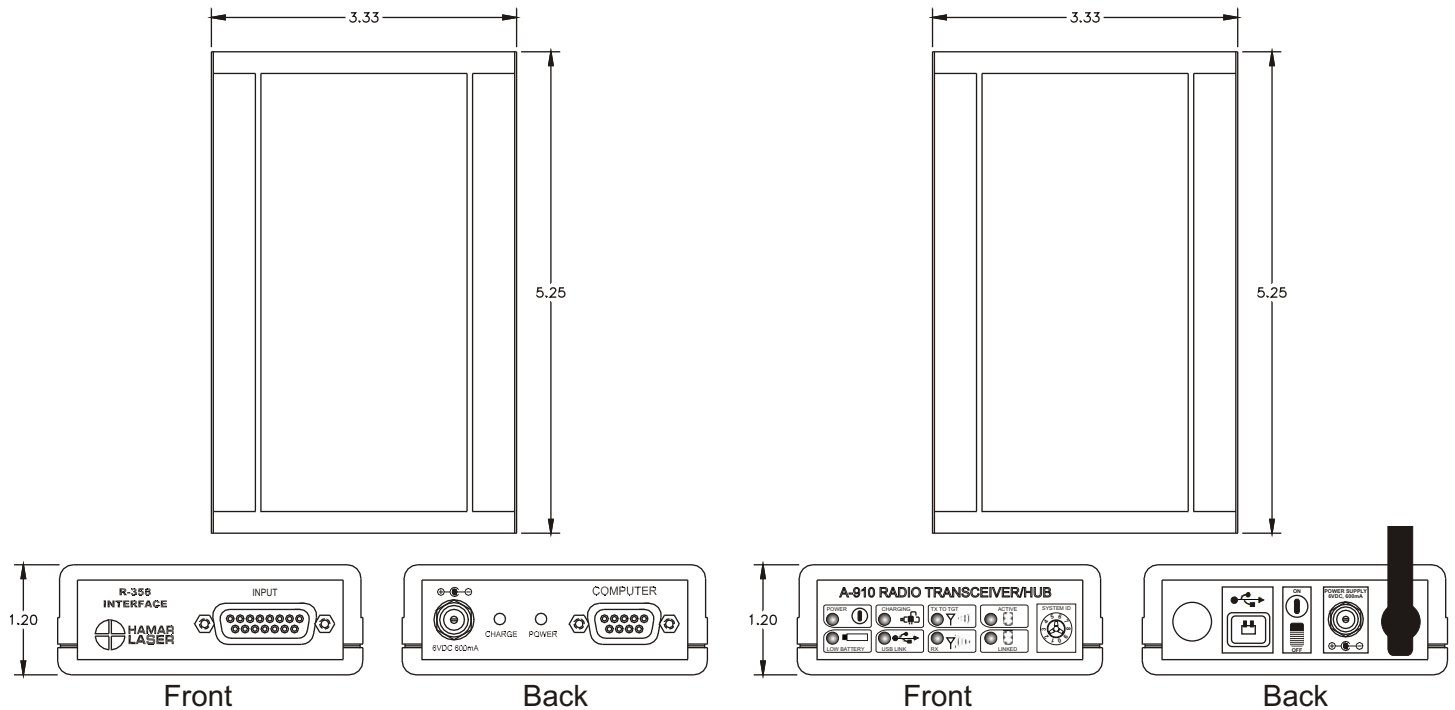


A-908 IR Receiver



Specifications

R-358 Computer Interface A-908 IR Receiver A-910 Transceiver/Hub



R-358

Size: 3.33" W x 1.20" H x 5.25" D (84.6 mm x 304.5 mm x 133.4 mm)
 Weight: 8.8 oz. (249.5 grams)
 Power: 3.5V, 1350 mAh lithium ion rechargeable battery
 Battery life: 8 hours continuous operation

A-908 IR Receiver

Size: 2.75" W x 4.60" H x 1.18" D (69.6 mm x 116.8 mm x 30.0 mm)
 Weight: 0.5 lb. (0.2 kg)
 Cable: 1 ft. (0.3 m) cord with Db9 serial-port connector
 Frequency: 3.5 Mhz
 Range: Depending on target, up to 80 feet (24 meters) with direct line of sight
 Baud rate: 19.2 kb
 Target reading transmission rate: Up to 15 readings per second, depending on target
 Power supply: 9V replaceable battery
 Battery life: 9 hours continuous use

A-910 Transceiver/Hub (900 MHz/2.4 Ghz)

Size: 3.33" W x 1.20" H x 5.25" D (84.6 mm x 304.5 mm x 133.4 mm)
 Weight: 8.8 oz. (249.5 grams)
 Power: 3.5 V, lithium ion rechargeable battery or computer's USB port
 Battery life: 8 hours continuous operation

Radio Specifications:

Indoor Range	900 MHz model: Up to 300 feet (91 M)	2.4 GHz model: Up to 600 feet (183 meters)
Transmit Power	900 MHz model: 4 mW	2.4 GHz model: 50 mW
Radio Frequency Certification	900 MHz model: 902-928 MHz, Frequency Hopping	2.4 GHz model: 2.4000-2.4835 GHz, Frequency Hopping
	900 MHz model: FCC (US): OUR-9XCITE; IC (CANADA): 4214A-9XCITE; CE: Not approved	
	2.4GHz model: FCC (US): OUR-24XTREAM; IC (CANADA): 4214A 12008; CE: ETSI	