One Year Warranty

This product is warranted to be free of manufacturing defects for a 1-year period from the original consumer date of purchase. The warranty does not include damage to the product resulting from accident, misuse, improper installation, operation, or unauthorized repair or alteration. Opening the Radar Gun case will void this warranty. If the product should become defective within the warranty period, sports radar ltd., will repair or replace it at our option, free of charge. You must fill out and return the enclosed warranty card to ensure warranty coverage failure to fill out warranty card may void warranty. To obtain warranty service, the unit must be shipped at purchaser's cost to:

Sports Radar, Ltd., Po box 208, old Homosassa, Fl 34487

Return shipping to purchaser will be at sports radar ltd.'s cost inside the 48 continental united states, international shipping is the sole responsibility of the purchaser.

The consumer's sole remedy shall be such repair or replacement as is expressly provided above, and we shall in no event be liable for any incidental or consequential damages arising out of the use or inability to use this product for any purpose whatsoever. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific rights. You may also have other rights, which vary, from state to state. Manufactured by Sports Radar, Ltd. in the U.S.A.

SPECIFICATIONS:

Mechanical: length, 10-3/4"; width, 2-3/4"; height, 7-1/4"; weight, 1 lb.

Display Type: 3 digit LCD

Speed resolution: 1 MPH or 1 Km/H

Speed Units: Miles Per Hour (MPH) or Kilometers per Hour (Km/H)

Speed Range: under 20 MPH (32 Km/H) up to 150MPH (240 Km/H)

Power: 2 standard 9 Volt batteries (alkaline type recommended) Battery Operating Life Over 5 hours of continuous use.

Operating Temperature 40-110 degrees F Storage Temperature 30-125 degrees F (excluding batteries)

OPTIONAL ACCESSORIES

The DC jack on the side of the Radar Gun is used for the optional external power supplies that will bypass the 9V batteries to operate the Radar Gun.

* WA-6VDC, A wall plug adapter that plugs into a household 110VAC outlet
* AA-12VDC, An adapter that plugs into the 12VDC accessory in your car.

Remote Display Port: On the side of the Radar Gun is used to connect a large optional remote display, the Ds400 via a DB25 cable.

* DS400 is a remote LCD display with three 4" tall digits (tri-pod mountable).
* TRI-POD for hands free operation of the Radar gun, or use with the Ds400
* Carrying Case: A hard shell case that will hold the Radar Gun and optional accessories.

Sports Radar Ltd.

PRECISION TRAINING INSTRUMENTS

Instruction Manual SR3500

HTTP://WWW.SPORTSRADARGUN.COM MADE IN U.S.A.

Congratulations

You are the proud owner of the Sports Radar Gun, a precision training instrument designed for coaches and sports enthusiast. The radar gun is designed as a training tool for a variety of sports activities. Please read this manual before operating your radar gun.

If at any time you need additional information, or experience problems with your radar gun, please contact Sports Radar, Ltd. directly.

All warranty information is located at our offices, therefore it is important that you contact us, not your retailer. Nothing will be accepted by Sports Radar, Ltd. without proper return authorization. Information and authorization may be obtained by writing or calling our offices.

Sports Radar, Ltd.
PO BOX 208
Old Homosassa, FL 34487
☎ 352-563-5855
htpp://www.sportsradargun.com

Contact your retailer for accessories available for your Sports Radar Gun.

Principals of operation:

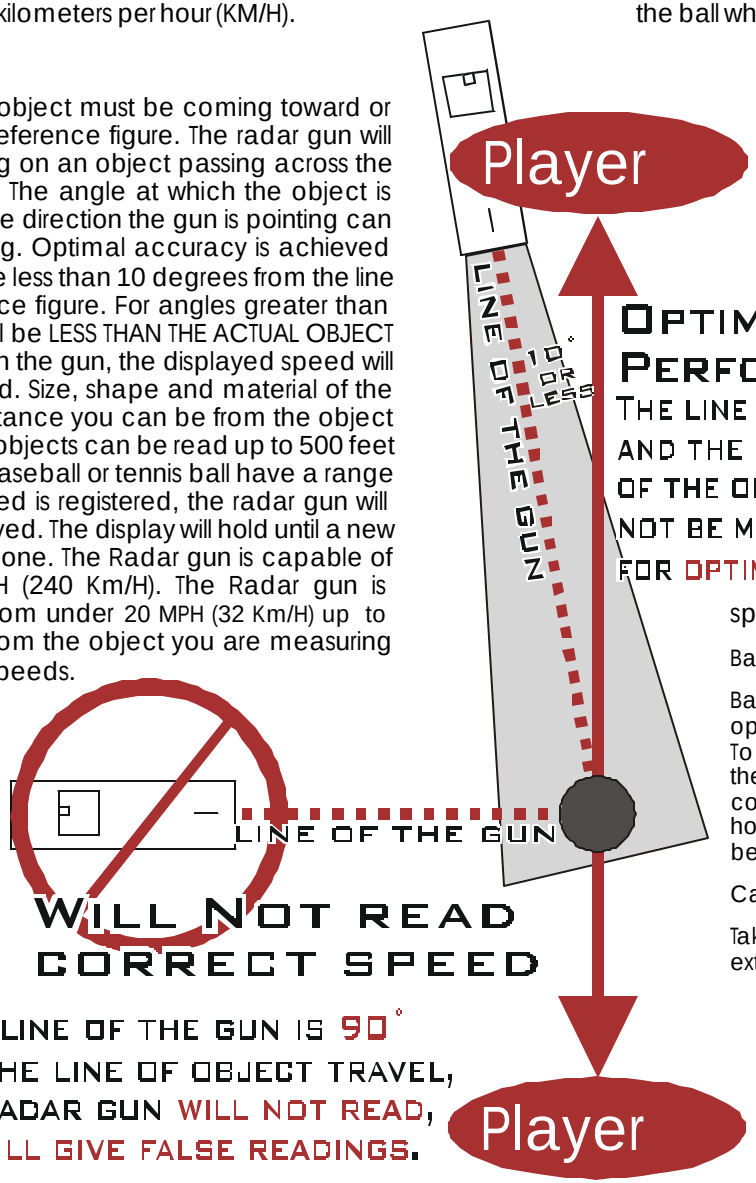
The Sports Radar Gun is a microprocessor based computing device that uses a low power doppler radar transceiver. The radar gun sends out a signal, which bounces off the object you are tracking and is reflected back to the radar gun. A mixer provides the difference in the frequencies of the original sent signal and the reflected signal that bounced off the object. From this difference signal, which is proportional to the speed of the object, a microprocessor calculates speed and displays it in miles per hour (MPH) or kilometers per hour (KM/H).

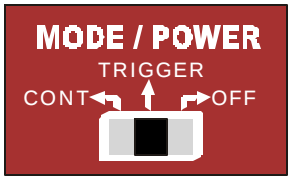
Operating your radar gun:

To register an object's speed; the object must be coming toward or going away from the radar gun, reference figure. The radar gun will not read or will give a false reading on an object passing across the front of the gun, reference figure. The angle at which the object is coming at, or going away from, the direction the gun is pointing can affect the accuracy of the reading. Optimal accuracy is achieved when the object is moving on a line less than 10 degrees from the line the Radar gun is pointing, reference figure. For angles greater than this, the speed that is displayed will be LESS THAN THE ACTUAL OBJECT SPEED. At 30 degrees off the line on the gun, the displayed speed will be about 87% of the actual speed. Size, shape and material of the object determine the range or distance you can be from the object and still get a reading. Large solid objects can be read up to 500 feet away. Smaller objects such as a baseball or tennis ball have a range of 20 to 30 feet. When a ball speed is registered, the radar gun will beep and the speed will be displayed. The display will hold until a new speed is 'written over' the previous one. The Radar gun is capable of registering speeds up to 150MPH (240 Km/H). The Radar gun is optimized for registering speeds from under 20 MPH (32 Km/H) up to 150MPH (240 Km/H). The distance from the object you are measuring will be the greatest in this range of speeds.

Displayed units, MPH or Km/H:

The units you want to display, Miles Per Hour (MPH) or Kilometers Per Hour (Km/H) are selected when the gun is turned on. If you want the display in Kilometers per hour, hold the trigger in and turn the gun on (either trigger mode or continuous mode) and the Km/H indicator will come on. Turning the gun on without depressing the trigger will turn the MPH indicator on, and the gun will display speed in Miles Per Hour.

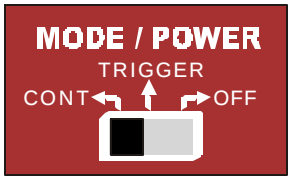




Trigger Mode:

This mode of operation allows for a speed to be taken at any given point. Example: you wish to register a baseball's speed as it crosses home plate. Place the slide switch so it is in the center position, under the TRIGGER line. As the ball is approaching, squeeze the trigger and listen for the beep. The location of the ball when the beep sounds, is where the gun recorded the speed.

Continuous Mode :



This mode of operation allows an individual to use the radar gun without assistance from additional people. Place the slide switch under the CONT (continuous) line, in the far left position. This is the "hands free" mode of operation. The radar gun can be affixed to the Sports Radar tripod (optional), or a standard camera tripod (with ¼-20 mounting threads). Aim the Radar Gun down the line of travel of the object you wish to register. Speeds can be registered once every 3 seconds. This delay between readings ensures accuracy and eliminates double readings from the same pitch. For example, if two people are playing catch, it is necessary to wait at least three seconds between pitches. Each time a new pitch is thrown, you will hear a beep and the speed is displayed. The new speed will over-write the previous.

OPTIMAL PERFORMANCE!
THE LINE OF THE GUN AND THE LINE TRAVEL OF THE OBJECT SHOULD NOT BE MORE THAN 10° FOR OPTIMAL ACCURACY

Batteries:

Battery life using two 9-volt alkaline batteries is over 5 hours of continuous operation. To add to the battery life, turn off the radar gun when not in use. To change batteries, Push the rear sight in and lift the cover. Do not pull on the battery snap wires, remove batteries by holding the battery snap vinyl cover.. Snap new batteries to vinyl battery snaps and place inside housing and replace the cover. Taking care not to pinch battery wires in between battery cover and body of the case.

Care and Maintenance:

Take the 9-volt batteries out if you are not going to use the unit for an extended period of time. The unit is not water resistant and should be kept dry. Avoid hitting the radar gun with the objects you are tracking.

Safety Tips WARNING:

Stay clear of all roadways. This device is not intended to measure the speed of vehicles. Do not use this unit with the 110-volt transformer in a wet or damp condition. This may cause electrical shock, which may cause death or permanent injury. To prevent personal injury or death, maintain a safe distance from the objects you are measuring speeds of.