



Wild West User's Guide

Rev. A

User's Guide

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1. Illustrations

Basic Parts of the Wild West System



2. Getting Started

A Simple Shoot Out With Two People

Once you have checked the items for damage during shipping, open up two guns from their bags.

Pull the power key out.

The guns arrive programmed with factory default settings. The factory settings are set so it takes one hit to be out, then the gun will power down. It is also programmed to have 6 shots of ammunition.

Simply place the belt with the holster. Place the bandana around your neck with the cord coming down in front attaching to the control box.

Each player starts back to back, take 10 steps, turn around and fires at the opponent.

Two of you can start playing; it is that easy!

Once you have played and you are done for now, open the bags that contains the chargers. One comes with each gun. Plug the AC power cord into your 120v/220v wall outlet. The charger's green light will come on. Plug the other cord into the gun in the same hole where you pulled the key out. If the green light turns red, the gun is not fully charged yet. If the green light stays on, the gun is fully charged.

6. Maintenance and Care

There are some basic guidelines to follow to help your equipment last longer, have fewer repairs, and keep costs down.

If players hit the aluminum lens assemblies together or against hard objects, eventually the lenses can crack.

Humidity can build up for many reasons on the inside of the guns. If so, condensation may occur. Give it time to air out and it should work once it is dry.

Like all electronics, our gear does not like water, but will generally survive encounters with water.

Typically, gun batteries will maintain 70% of battery capacity after 2 years. Battery health will vary depending on many factors.

The equipment is manufactured to be durable and able to take heavy use. If players follow basic rules and owners are watchful, the repairs and maintenance costs can be kept very low.

Charging Safety

The device does not operate when charging.

USE ONLY THE CHARGER PROVIDED. Use of any other charger could cause the batteries to explode, causing serious injury.

Do not expose the charger to moisture and water.

To reduce the risk of damage to the charger and cord, pull the charger by the plug, rather than the cord, when disconnecting the charger.

7. Specifications

	S-7	Eclipse	Wild West
Battery	7.4v Li-Ion 1500mAh	7.4v Li-Ion 600mAh	7.4v Li-Ion 600mAh
Play Time	20 Hours	12 Hours	16 Hours
Outdoor Range*	570 feet or 152 meters	570 feet or 152 meters	60 feet or 18 meters
Temperature	0° F - 100° F	0° F - 100° F	0° F - 100° F

*Tested in 150,000 Lux sunlight in clear conditions with a stable firing platform.

8. Contact Information

General information:

Web: www.steradiantech.com

Phone: 765-420-9201

Fax: 765-535-5040

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Purchasing:

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Repair:

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9. Infra-Red Safety

Steradian Technologies designs and manufactures “Lasertag” equipment and accessories. Note that the term “Lasertag” is the name of the sport only, not the driving technology.

Definition of “laser”

Despite the name, Steradian Technologies does not manufacture any product which contains a real laser, which is an acronym for Light Amplification by Stimulated Emission of Radiation.

A laser is defined by emitting a high-intensity, narrow-spectral-width, highly directional beam of coherent light. A high-power laser is capable of causing damage if used incorrectly, which is why Steradian Technologies does not use them.

Steradian Technologies instead uses an IRLED.

Definition of “IRLED”

IRLED is an acronym for Infra-red Light Emitting Diode.

An IRLED is defined by emitting a low-intensity, wide-spectral-width, low-directionality beam of non-coherent light. An IRLED is what is used in a typical television remote.

Lensing:

Steradian Technologies uses lenses to focus the Infra-red beam into a useable pattern. Because LED's are not a point-source, and due to the nature of optical lensing, the lens does not focus the beam to a level capable of causing any harm.

Straight from the source:

Vishay Telefunken makes the most powerful IRLED we use, the TSAL6100.

Here are some quotes from their IR safety document:

“Worldwide, there is no report on eye injuries caused by Incoherent diode emitters. Recent studies performed in the US showed that eye injuries (here: tests done on monkeys) due to even the brightest LEDs available are impossible.”

You can read the full text at http://www.vishay.com/docs/ir_safety.pdf

10. Steradian Technologies, LLC Warranty Policy

Steradian Technologies LLC products carry a limited 2 year parts and labor warranty against defects in materials or workmanship. We will repair or replace (at our discretion) the defective unit without charge for the parts or labor if the unit is returned to Steradian Technologies, LLC within the warranty period. This warranty does not cover damages caused by improper care, handling or use. Shipping costs are not covered by this warranty.

This limited warranty covers all defects encountered in normal use of the Product and does not apply in the following cases:

- A) Loss of or damage to the Product due to abuse, neglect, mishandling, improper handling by you, alteration, accident, electrical current fluctuations, improper use, failure to follow operating or maintenance instructions in or environmental conditions prescribed in, Steradian Technologies LLC user's manual or other documentation, or services performed by someone other than a Steradian Technologies LLC repair facility. Without limiting the foregoing, dropping the Product, scratches, and abrasions will be presumed to have resulted from misuse, abuse or failure to operate the Product as set forth in the user's manual or other documentation for the Product.
- B) Use or parts or supplies (other than those sold by Steradian Technologies LLC) that cause damage to the Product or cause abnormally frequent service calls or service problems.
- C) If the Product has had its serial number or dating defaced, altered or removed.

Steradian Technologies LLC shall not be liable for loss of revenues or profits, inconvenience, expense for substitute equipment or service, storage charges, loss, or any other special, incidental or consequential damages caused by the use, misuse, or inability to use the product regardless of the legal theory on which the claim is based, and even if Steradian Technologies LLC has been advised of the possibility of such damages. Nor shall recovery of any kind against Steradian Technologies LLC be greater in amount than the purchase price of the product causing the alleged damage. Without limiting the foregoing, you assume all risk and liability for loss, damage or injury to you and your property and to others and their property arising out of the possession, use, misuse or inability to use the product sold by Steradian Technologies LLC not caused solely and directly by the negligence of Steradian Technologies LLC. This limited warranty shall not extend to anyone other than the original purchaser of the product, and states your exclusive remedy.

Communication Regulation Information

FCC compliance Statement

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help

European Community

Complies with European Directives:

EN 60950-1: 2001 and A11: 2004

Council Directive: 98/34/EEC

EMC Directive: 89/336/EEC Electromagnetic Compatibility with Amending Directives: 92/31/EEC, 93/108/EEC, 2004/263/EEC.

The charger used for the EUT shall be a Limited Power Source in the meaning of EN 60950-1.