

**Operator's and Maintainer's Manual
for the**

WILCOX®

*Ruggedized Aiming / Illumination
Device - Enhanced*

RAID X_e
TM

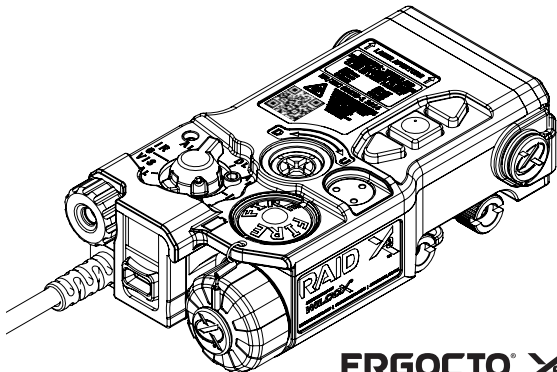
PNs:

65300G12 - Low Power Red Laser

65300G14 - High Power Red Laser

65300G18 - High Power Green Laser

CAGEC: 004F1



ERGOCTO® X_e
TM



OSHA LASER OPERATOR SAFETY REQUIREMENTS

Inside the United States, State and Federal OSHA require the operation of Class 3B laser products to occur only under a formalized laser safety program as defined in ANSI Z136.1 Compliance with OSHA requirements are the sole responsibility of the purchaser/user.

Many countries have similar safety of use requirements. Reference the International IEC 60825 part 14, User's Guide for Laser Safety, outside the US.

FEDERAL RESTRICTIONS ON CLASS 3B WEAPON SIGHTS

This product is in conformity with performance standards for laser products under 21 CFR 1040, except with respect to those characteristics authorized by Variance Number 2021-V-1262 effective February 15, 2022.

The following restrictions apply:

- The sale of this product is restricted to Federal, State, or local government law enforcement agencies only, through a direct purchase order and shall not be sold to individual personnel of these agencies or organizations.
- Immediately terminate laser emissions if optical aids (e.g., monocular, binoculars, weapon mounted optics, telescopes, etc.) are in use near the laser termination or its beam path. It is necessary and intended that the invisible beam emitted by this device be viewed by the user through night vision equipment.
- The purchasing organization must maintain a property log that lists the type and number of each device owned and the responsible party having control of these devices, and must maintain an active training program for its employees in the safe use of the laser system.
- Batteries shall be removed when the product is not intended to operate in order to prevent unauthorized use.

▲ WARNING ▲

The Operator is required to thoroughly read all instructions and product safety information in the *RAID Xe* Operator's and Maintainer's Manual before using this product. **FAILURE TO COMPLY WITH PROPER INSTRUCTIONS COULD RESULT IN PROPERTY DAMAGE, INJURY, AND/OR DEATH.** Wilcox is not responsible for damages resulting from improper use and/or maintenance. Customers may obtain a copy of the Manual from the Wilcox website by scanning the QR code on the product.

This product contains technical data as defined in the International Traffic in Arms Regulations ITAR 22 CFR 120.10. Export of this material is restricted by the Arms Export Control Act 22 U.S.C. 2751 et seq. and may not be exported to foreign persons without prior written approval from the U.S. Department of State.

BLACK & WHITE - NO GRAY!™

SAFETY SUMMARY

S1 GENERAL SAFETY INSTRUCTIONS

WARNING and CAUTION statements have been strategically placed throughout the text to indicate operating or maintenance procedures, practices, or conditions considered essential to the protection of personnel (WARNING) or equipment and property (CAUTION). NOTES emphasize necessary and important data. WARNINGS, CAUTIONS, and NOTES appear throughout the text as applicable.

S2 WARNINGS, CAUTIONS, AND NOTES

Definitions for WARNINGS, CAUTIONS, and NOTES are as follows:

▲ WARNING ▲

Highlights an operation or maintenance procedure, practice, condition, statement, etc., which, if not strictly observed, could result in injury to or death of personnel.

■ CAUTION ■

Highlights an essential operating or maintenance procedure, practice, condition, statement, etc., which, if not strictly observed, could result in damage to or destruction of equipment or loss of mission effectiveness.

NOTE

Highlights an essential operating or maintenance procedure, condition, or statement.

S3 SAFETY PRECAUTIONS

Laser Safety

▲ WARNING ▲

- The **RAID Xe** features Class 3B laser products which emit visible (VIS) and infrared (IR) laser radiation from the front end of the device. Both VIS and IR laser light can be dangerous if misused. Laser light reflected or refracted off reflective surfaces may be equally harmful.
 - Never stare into a laser.
 - Never point lasers at someone's eyes.
 - Never point the lasers at other persons as Class 3B lasers may cause skin irritation.
 - Do not aim lasers at personnel or reflective surfaces.
 - Do not look at a laser through telescopes, binoculars, scopes, image intensifiers, etc.
 - Direct eye exposure to a laser may cause permanent eye damage, including blindness. Special glasses for filtering laser light must be used if protection from laser radiation is required.
- VIS and IR laser beams refract when used in smoke, fog, and rain, making them more easily detectable by onlookers or observers. When used in these environments, prolonged activation of the lasers should be avoided.
- Laser light is bright and blinding. Do not point lasers at aircraft or vehicles at any distance.
- Laser Safety Covers are intended to be removed from the laser ports (apertures) when in use but **NEVER** physically untethered from the device. Do not operate the device if Laser Safety Covers are missing or damaged or the unit is defective.

▲ WARNING ▲

- Removing the Blue High Power Lockout Screw from the Mode Selection Switch may allow exposure to high powered lasers. High power modes increase laser radiation, which can cause damage or injury. When high power operation is not intended, always keep the Blue High Power Lockout Screw in place.
- Use of Controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- The *RAID Xe G14* and *G18* Models feature class 3B lasers with a maximum output power of 90 mW. Refer to Section S4 for eye safety specifications. **ALWAYS** turn off the *RAID Xe* and replace Laser Safety Covers when the unit is not in use. Follow all eye and skin safety guidelines for Class 3B lasers to avoid injury to the Operator or others.
- The *RAID Xe G12* Models feature class 3R lasers with a maximum output power of 32 mW. Refer to Section S4 for eye safety specifications. **ALWAYS** turn off the *RAID Xe* and replace Laser Safety Covers when the unit is not in use. Follow all eye safety guidelines for Class 3R lasers to avoid injury to the Operator or others.

NOTE

- For guidance on the proper use of lasers, refer to ANSI Z136.1, "Standard for Safe Use of Lasers", American National Standards Institute.

NOTE

- When boresighting the **RAID X_e** to the target, it is recommended that only the low power VIS Laser be used.
- For best results activating the laser from the Three Button Keypad, apply pressure to the center portion of the FIRE Button.

Usage Safety

▲ WARNING ▲

- Make sure that the weapon is **CLEAR** and on **SAFE** before installing the **RAID X_e** on a weapon, in accordance with the weapon's operator's manual and that the **RAID X_e** is powered off, Laser Safety Cover on, and the battery removed prior to installation. Failure to do so can result in property damage, injury, and/or death.
- Always make sure that the battery is removed prior to mounting the **RAID X_e** to or dismounting it from the primary weapon or when performing service.
- When mounting the **RAID X_e** to a weapon or a new rail position, it is necessary to properly boresight the **RAID X_e** to the weapon to ensure aiming accuracy.
- When handling a weapon fitted with a **RAID X_e**, **ALWAYS** keep the muzzle pointed down range and clear of all personnel.

NOTE

- It is recommended that the battery be replaced and activation procedures for the *RAID Xe* be conducted prior to operation to ensure proper operation before use (see Section 4.2).
- In the event of a detected built-in test failure, contact Wilcox Industries Customer Service at +1-603-431-1331 or via the website at www.wilcoxind.com/contact and do not use this product.
- It is recommended to mount the *RAID Xe* to an integrated high quality specification rail system to optimize the designed performance of the system.
- If the Buttons on the Three Button Keypad fail to operate for any reason, reseal the Three Button Keypad in the Keypad Port and try again.
- This manual should always accompany the product and be transferred with it upon change of ownership.
- Make sure the Mode Selection Knob is set to the "OFF" position when not in use to avoid inadvertent battery drain.
- A Laser Boresight Kit is suggested for initial zeroing to the weapon.

Maintenance Safety

■ **CAUTION** ■

- Do not use harsh abrasives or chemicals such as acetone to clean the *RAID Xe*. Clean only as instructed in Section 4.1. Any questions about appropriate chemicals should be directed to Wilcox Customer Service at +1-603-431-1331 or via the website at www.wilcoxind.com/contact.

NOTE

- The **RAID Xe** contains no serviceable internal parts and is programmable only by a Wilcox Factory Technician. Adjustments or attempted repairs to the **RAID Xe** other than those expressly described in this Operator's and Maintainer's Manual will void the warranty and could void the Operator's authority to operate the equipment.
- Failure to maintain the O-ring may affect product performance.

Battery Safety

▲ WARNING ▲

- **Lithium batteries should be handled in the following manner:**
 - If the battery compartment becomes hot to touch and you hear a hissing sound (i.e., battery venting) **IMMEDIATELY** turn off the equipment. Wait until battery has cooled before removing it, then replace with a fresh battery.
 - **DO NOT** heat, puncture, disassemble, test for capacity, short circuit, attempt to recharge, or otherwise tamper with battery.
 - Many batteries have a safety vent to prevent explosion. When batteries vent gas, there will be a gas smell, one's eyes may become irritated, and/or there may be the sound of gas escaping. When safety vents have operated, batteries are fairly safe from bursting but will be hot and must be handled with care.
 - **DO NOT** use batteries, which look bulged or have burst. Turn these batteries in to the Property Disposal Office. Contact the Unit Safety Officer for help with bulged or burst batteries.
 - **DO NOT** use water to extinguish a lithium battery fire.

■ **CAUTION** ■

- Do not store the *RAID Xe* with battery installed.
- When opening or closing the Battery Compartment, make sure moisture or debris is not allowed into the Battery Compartment.

NOTE

- Periodically inspect the Battery Compartment O-ring. If the Battery Compartment O-ring becomes cut, nicked, or torn, see Section 4.3 for replacement instructions.

S4 LASER RADIATION OUTPUT PARAMETERS

Table S4-1 RAID Xe LP (G12) Product Performance Specifications

	VIS Aim (G12 [*] Model) Red Laser		IR Aim		IR Illuminator	
	Low	High	Low	High	Low	High
Wavelength [nm]	640		850		840 [†] or 850 ^{††}	
Divergence [1/e] (mrad)	0.28		0.28		14	
Nominal Output Power [mW] ^{**}	<0.7	3	<0.7	3.5	<0.7	25

^{*}With the G12 model, lasers are pulsed.

^{**}Nominal Output Power is subject to $\pm 10\%$ tolerance.

[†]Models made prior to 5/27/25.

^{††}Models made on or after 5/27/25.

Table S4-2 RAID Xe LP (G12) Laser Safety Specifications

	VIS Aim (G12 [*] Model) Red Laser		IR Aim		IR Illuminator	
	Low	High	Low	High	Low	High
Wavelength [nm]	640		850		840 ^{††} or 850 [†]	
Divergence [1/e] (mrad)	0.28		0.28		14	
Maximum Output Power [mW] ^{**}	<0.7	<4.3	<0.7	<5	<0.7	32
NSHD [m]	0	0	0	0	0	0
NOHD [m]	0	52	0	83	0	3
OD	0	0.8	0	0.9	0	1.7
NOHDe [†] [m]	0	357	0	492	0	19
ODE [†]	0	0.7	0	0.7	0	1.7
Diode Power [mW]	30		50		150	

^{*}With the G12 model, lasers are pulsed.

^{**}This table is intended for laser safety guidance. Values in table exceed the set nominal values of the laser product.

[†]NOHDe and ODe are calculated using standard 7x50 Binoculars as the aided viewing optics.

^{††}Models made prior to 5/27/25.

^{†††}Models made on or after 5/27/25.

Table S4-3 RAID Xe HP (G14 and G18) Product Performance Specifications

	VIS Aim (G14 Model) Red Laser		VIS Aim (G18 Model) Green Laser		IR Aim		IR Illuminator	
	Low	High	Low	High	Low	High	Low	High
Wavelength [nm]	660		520		850		840** or 850†	
Divergence [1/e] (mrad)	0.28		0.28		0.28		14	
Nominal Output Power (mW)*	<0.7	75	<0.7	18	<0.7	30	<0.7	>50

*Nominal Output Power is subject to $\pm 10\%$ tolerance.

**Models made prior to 5/27/25.

†Models made on or after 5/27/25.

Table S4-4 RAID Xe HP (G14 and G18) Laser Safety Specifications

	VIS Aim (G14 Model) Red Laser		VIS Aim (G18 Model) Green Laser		IR Aim		IR Illuminator	
	Low	High	Low	High	Low	High	Low	High
Wavelength [nm]	660		520		850		840† or 850††	
Divergence [1/e] (mrad)	0.28		0.28		0.28		14	
Maximum Output Power (mW)*	<0.7	90	<0.7	18	<0.7	36	<0.7	90
NSHD [m]	0	25	0	0	0	0	0	0
NOHD [m]	0	236	0	103	0	169	0	6
OD	0	2.0	0	1.3	0	1.7	0	2.1
NOHDe** [m]	0	1570	0	647	0	995	0	38
ODe**	0	2.0	0	1.3	0	1.6	0	2.1
Diode Power [mW]	110		20		50		150	

*This table is intended for laser safety guidance. Values in table exceed the set nominal values of the laser product.

**NOHDe and ODe are calculated using standard 7x50 Binoculars as the aided viewing optics.

†Models made prior to 5/27/25.

††Models made on or after 5/27/25.

S5 SYMBOLS

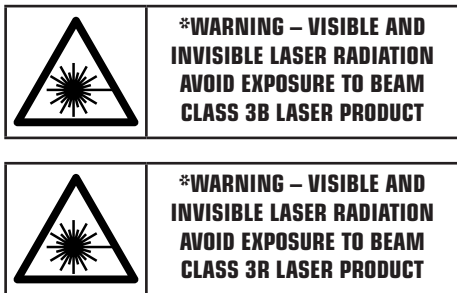


Figure S5-1 RAID Xe Product Symbols

OPERATOR'S AND MAINTAINER'S MANUAL TO SOFTWARE VERSION CROSS-REFERENCE

The *RAID Xe* features built-in software. When utilizing any version of the *RAID Xe*, it is critical to reference the correct version of the Operator's and Maintainer's Manual for the software version used. The following table provides a cross-reference for verifying the correct *RAID Xe* software revision to the correct version of the Operator's and Maintainer's Manual.

<u>Manual Rev.</u>	<u>RAID Xe Software Rev.</u>
A-1	2.01
A-2	4.00
A-3, A-4, A-5	5.01

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PREFACE

1. SCOPE. The purpose of this Operator's and Maintainer's Manual is to assist the Operator in the operation and maintenance of the ***Ruggedized Aiming/Illumination Device - Enhanced (RAID Xe™) Power Laser Device.***

The information in this manual should not replace the experience of a trained operator. Keep this manual and all safety instructions for future use. The information must be provided to each product user.

2. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATION. Wilcox requests that all errors, omissions, and discrepancies be forwarded to: Sales Department, Wilcox Industries Corp., One Wilcox Way, Newington, NH 03801. To submit feedback by e-mail, visit **www.wilcoxind.com/contact**.

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SECTION 1

OVERVIEW

1.1 GENERAL SAFETY WARNINGS

The **RAID Xe** should not be used by anyone unfamiliar with its operation. This manual contains specific operating and maintenance instructions which the Operator should become familiar with before actual field usage.

The Safety Warnings in this Manual are intended to point out the dangers that are common in handling this type of equipment. **Failure to observe any of these warnings may result in serious physical injury, blindness, or death.** The Operator must be familiar with the entire contents of this Operator's and Maintainer's Manual before using the **RAID Xe**. All general text, WARNINGS, CAUTIONS, and NOTES should be strictly followed.

This manual is intended to provide information relevant to the operation of the RAID Xe and is not a substitute for the information contained in the operator's manual issued by the manufacturer of any weapon to which it is attached. It is the responsibility of the Operator to read and thoroughly understand the handling and operating procedures for both the **RAID Xe** and the weapon.

Laser Radiation Danger

Lasers built into the **RAID Xe** emit VIS and/or IR laser radiation from the front end of the device (see Section 2.6 for technical data). Both VIS and IR laser light can be dangerous if misused.

Direct eye exposure may cause permanent eye damage, including blindness. Laser light reflected or refracted off reflective surfaces may be equally harmful.

- Never stare into a laser beam.
- Never point a laser beam at someone's eyes.
- Do not point a laser beam at reflective surfaces.
- Do not look at a laser beam through telescopes, binoculars, scopes, etc.

The **RAID Xe** is provided in three configurations as noted on its Product Identification Label (see Figures 1.1-1, 1.1-2, 1.1-3, and 1.1-4). Note the laser radiation warning as displayed on the Laser Safety Label:

**WARNING - VISIBLE AND
INVISIBLE LASER RADIATION
AVOID EXPOSURE TO BEAM
CLASS 3B LASER PRODUCT**

**WARNING - VISIBLE AND
INVISIBLE LASER RADIATION
AVOID EXPOSURE TO BEAM
CLASS 3R LASER PRODUCT**

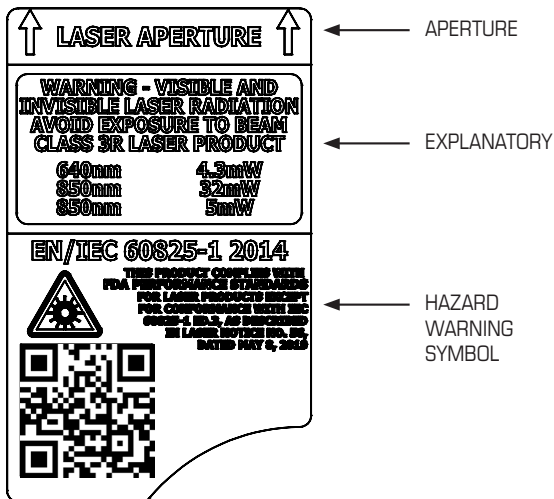


Figure 1.1-1 RAID Xe LP Laser Safety Label - G12 Model

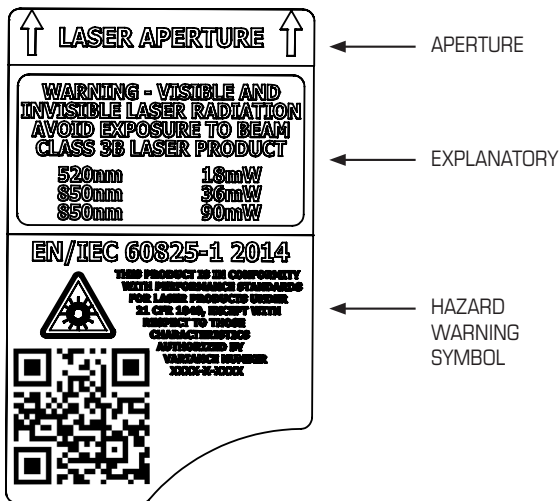
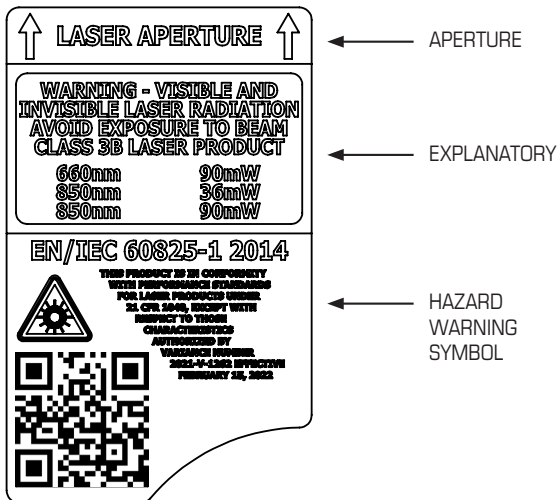
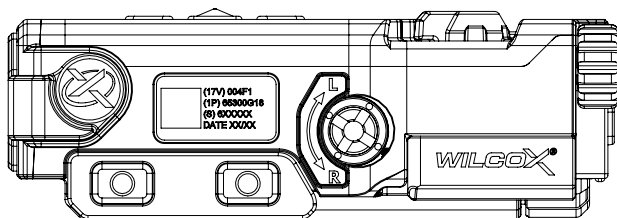
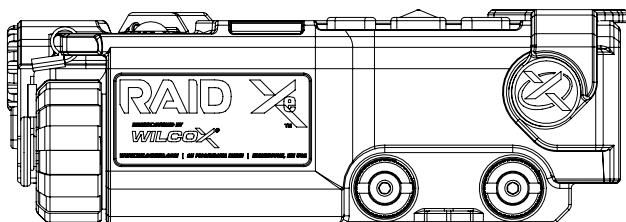


Figure 1.1-2 RAID Xe HP Laser Safety Label - G14 Model

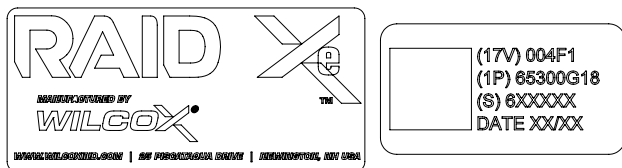
**Figure 1.1-3 RAID Xe HP Laser Safety Label - G18 Model**



LEFT VIEW



RIGHT VIEW



LARGER VIEWS

Figure 1.1-4 RAID Xe Product Identification Labels - G18 Model

First Aid

Administer first aid in accordance with local procedures.

1.2 MODEL NUMBER AND EQUIPMENT NAME

65300G12 **RAID Xe** Low Power (Red Laser)

65300G14 **RAID Xe** High Power (Red Laser)

65300G18 **RAID Xe** High Power (Green Laser)

1.3 MANUFACTURER

Wilcox Industries Corp.

One Wilcox Way

Newington, NH 03801 USA

1.4 PURPOSE OF EQUIPMENT

The **RAID Xe** is a multi-laser, small arms weapon mounted, pointing, aiming, and illumination system, designed to improve target acquisition and illumination for the Operator when mounted to a MIL-STD-1913 or STANAG 4694 NATO rail.

SECTION 2

INTRODUCTION

2.1 PRODUCT DESCRIPTION

The Wilcox **RAID Xe** is a multi-laser, small arms weapon mounted, pointing, aiming, and illumination system designed to improve target acquisition and illumination for the Operator when mounted to a MIL-STD-1913 or STANAG 4694 NATO rail. It features VIS and Near IR (NIR) aiming lasers for target acquisition in day or night conditions. It also features both an NIR Short Range (Room) Illuminator and an NIR Long Range (Distance) Illuminator (see Table 2.6-1 for laser specifications). It features a built-in maintenance counter that provides a total round count for the system over its lifetime and attaches to the 9, 12, and 3 O'Clock positions of the primary weapon, though the 12 O'Clock position is recommended.

The **RAID Xe** provides a proven nighttime fighting capability through the use of an IR aiming laser. It features an OLED Display that varies in brightness by means of a built-in light sensor or through manual adjustment by the Operator and is powered by a single CR123 Lithium battery.

The **RAID Xe** is designed to allow operation with a gloved hand and to minimize snag hazard during operation with the Wilcox **ERGOCTO[®] Xe™** Three Button Keypad or **ERGOCTO Xe** Control Grip. No special tools are required for mounting or operating the **RAID Xe**.

2.2 LIST OF RAID Xe MAJOR COMPONENTS

1. **RAID Xe**
2. Pouch
3. Operator's and Maintainer's Manual (Not Depicted)
4. Quick Reference Guide (Not Depicted)
5. Xe Utility Tool
6. Laser Safety Cover
7. Laser Safety Visor
8. Three Button Keypad, 12", Single Cable with WX Connector and Keypad Port Plug
9. Three Button Keypad, 12", Dual Cable with WX Connector (Optional, Not Depicted)
10. Rail Adapter
11. Insulator Pull Tab

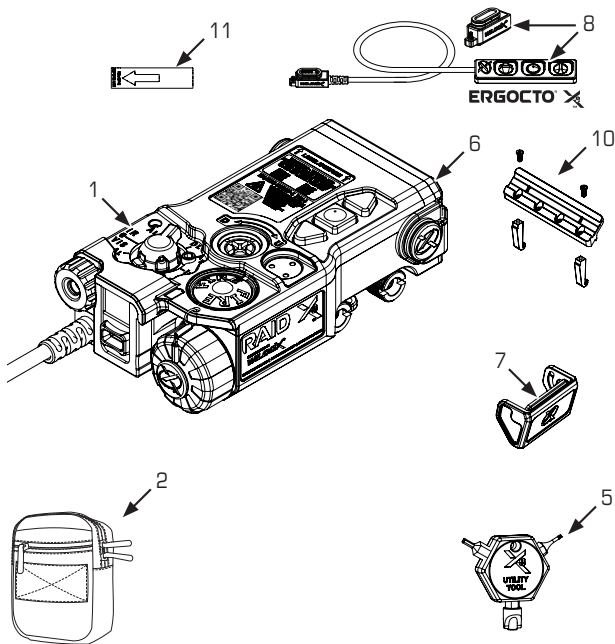


Figure 2.2-1 Major Component Identification

2.3 LIST OF *RAID Xe* SUBCOMPONENTS AND ANCILLARIES

COMPONENTS		CLEANING KIT	
C-1.	Windage Adjuster	CK-1.	Lens Pen
C-2.	Elevation Adjuster	CK-2.	Cleaning Cloth
C-3.	Mode Selection Knob		
C-4.	Up Button		
C-5.	Enter Button		
C-6.	Down Button		
C-7.	FIRE Button		
C-8.	IR Distance Illuminator Focus Wheel		
C-9.	Blue High Power Lockout Screw		
C-10.	Lockout Screw Storage Port		
C-11.	Light Sensor		
C-12.	Near IR Long Range Illuminator Port (Aperture)		
C-13.	Near IR Aiming Laser (Pointer) Port (Aperture)		
C-14.	VIS Aiming Laser (Pointer) Port (Aperture)		
C-15.	Near IR Short Range Illuminator Port (Aperture)		
C-16.	Thumbnuts (2)		
C-17.	Rail Grabbers (2)		
C-18.	Keypad Port		
C-19.	Adjustable Window Shroud and Display		
C-20.	Battery Compartment and Cap		
C-21.	Laser Warning Label		
C-22.	Product Identification Labels with 3D Barcode		
C-23.	Battery Orientation Marking		

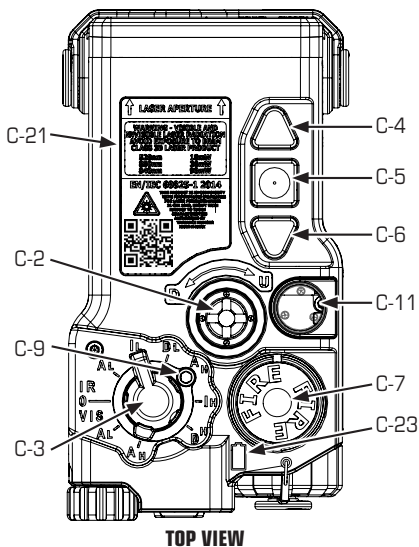
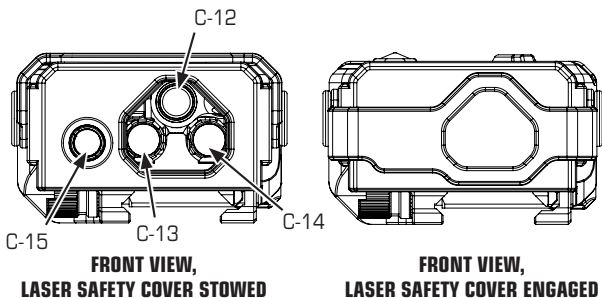


Figure 2.3-1 Subcomponent Identification - RAID Xe (1 of 2)

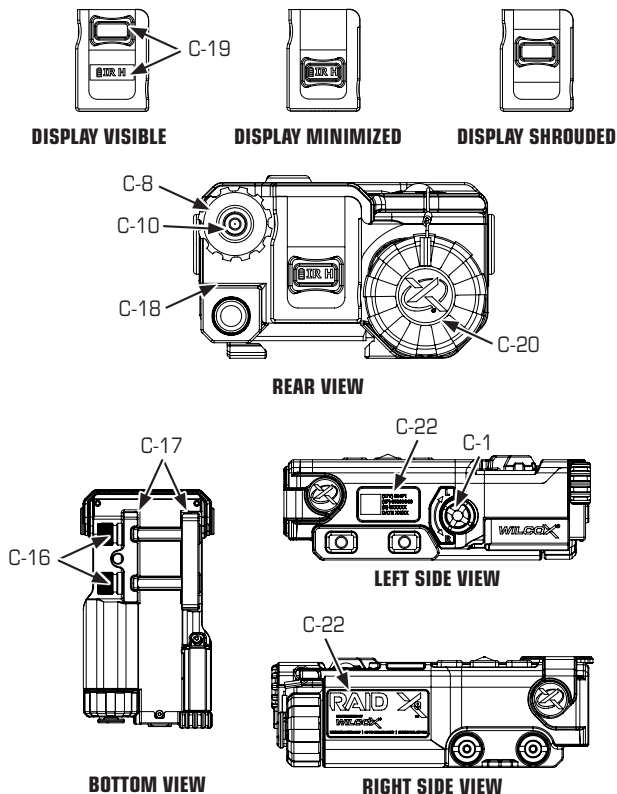


Figure 2.3-2 Subcomponent Identification - RAID Xe (2 of 2)

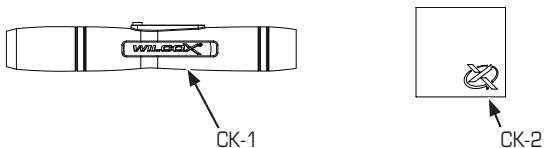


Figure 2.3-3 Cleaning Kit Identification - RAID Xe

2.4 DESCRIPTION OF RAID X_e MAJOR COMPONENTS

1. RAID X_e The **RAID X_e** features an IR Pointer Laser and IR Flood Illuminator that provide invisible targeting at close quarters and at distance. An IR Pointer Laser and IR Flood Illuminators for near and far distance provide targeting at night when used with NVGs. Boresighting is accomplished using the VIS Pointer laser and all lasers will be zeroed to the weapon once performed. One (1) commercial CR123 lithium battery powers the **RAID X_e** (**SUREFIRE[®]** brand recommended).

2. Pouch A Pouch is provided for stowing the **RAID X_e** when not in use.

3. Operator's and Maintainer's Manual (Not Depicted) The Operator's and Maintainer's Manual outlines the use and maintenance of the **RAID X_e**. This document is available for download from the Wilcox website by scanning the QR code on the device.

4. Quick Reference Guide (Not Depicted) The Quick Reference Guide summarizes **RAID X_e** operation. The Quick Reference Guide shall not be considered a replacement to the safety information in this Operator's and Maintainer's Manual. This document is available for download from the Wilcox website by scanning the QR code on the device.

5. X_e Utility Tool The X_e Utility Tool features a 5/64 Hex Key for installing and removing the Blue High Power Lockout Screw, a T5 Torx key for swapping the Laser Safety Visor with the Laser Safety Cover, and a piloted flathead screwdriver for use when torquing Thumbnuts on the Picatinny Rail to prevent slipping and marring of the Thumbnuts.

6. Laser Safety Cover A rubber Laser Safety Cover is provided for use according to Operator preference to protect the lens from damage and debris.

7. Laser Safety Visor A rigid plastic Laser Safety Visor is provided for use according to Operator preference to protect the lens from damage and debris.

8. Three Button Keypad, 12", Single Cable with WX Connector and Keypad Port Plug An **ERGOCTO Xe** Three Button Keypad provides control of configurable laser operations (see Table 2.4-1 for default operation and Section 3.6.4 for configuration). The Keypad includes a 12" single cable for connection to the **RAID Xe** by attaching the WX Connector to the Keypad Port (see Section 3.3). A Keypad Port Plug installs on the **RAID Xe** when not in use.

9. Three Button Keypad, 12", Dual Cable with WX Connector (Optional, Not Depicted) An optional **ERGOCTO Xe** Three Button Keypad provides control of configurable laser operations (see Table 2.4-1 for default operation and Section 3.6.4 for configuration). The Keypad includes a 12" single cable for connection to the **RAID Xe** and a second cable for connection to a flashlight. For purchase information, contact Wilcox Customer Service at +1-603-431-1331 or via the website at www.wilcoxind.com/contact.

10. Rail Adapter An **ERGOCTO Xe** Rail Adapter is provided to secure the Three Button Keypad to the side rail for ease of access to the Keypad in operation. The Adapter attaches to the rail for use in any of 8 orientations.

11. Insulator Pull Tab The Insulator Pull Tab is used to connect the **ERGOCTO Xe** Three Button Keypad to the **RAID Xe**.

Table 2.4-1 Default Three Button Keypad Functions

	Button #1	Button #2	Button #3
Single Cable Keypad	Room Illuminator	Mirror Rotary Switch Position	Dual Low (VCSEL Illuminator + IR Aiming Laser)
Dual Cable Keypad	Flashlight*	Mirror Rotary Switch Position	Dual Low (VCSEL Illuminator + IR Aiming Laser)

*With the optional Dual Cable Three Button Keypad, Button #1 will always control the flashlight, regardless of the configuration setting.

2.5 DESCRIPTION OF **RAID Xe** SUBCOMPONENTS

C-1. Windage Adjuster A Windage Adjuster allows for easy windage adjustment when boresighting or Zeroing of the **RAID Xe** to the weapon and maintains its setting until reset by the Operator. All Lasers move together when adjusting windage. For information on adjusting windage, refer to the Boresighting Procedure in Section 3.7.

C-2. Elevation Adjuster An Elevation Adjuster allows for easy elevation adjustment when boresighting or Zeroing the **RAID Xe** to the weapon and maintains its setting until reset by the Operator. All Lasers move together when adjusting elevation. For information on adjusting elevation, refer to the Boresighting Procedure in Section 3.7.

C-3. Mode Selection Knob A Mode Selection Knob allows the Operator to select the operational mode of the **RAID Xe**. When the Mode Selection Knob is set to a selected mode of operation, the display indicates the selected operational mode (see Table 2.5-1).

C-4. Up Button This Button allows the Operator to scroll up through the function menu or adjust the brightness of the current laser that is ON (see Table 2.5-2).

C-5. Enter Button This Button allows the Operator to enter the submenus within the function menu OR when a laser is currently ON enter adjust mode (see Table 2.5-2).

C-6. Down Button This Button allows the Operator to scroll down through the function menu or adjust the brightness of the current laser that is ON (see Table 2.5-2).

Table 2.5-1 Mode Selection Options

KNOB POSITION	OLED DISPLAY	LOCKOUT AVAILABLE	MODE/FUNCTION DESCRIPTION
OFF		NO	<i>RAID Xe</i> Power Off
AL	AL I	NO	Low Power IR Aiming Laser (Pointer)
IL	ILrI (Short) IL I (Long)	NO	Low Power IR Short or Long Range Illuminator*
DL	DLrI (Short) DL I (Long)	NO	Low Power IR Aiming Laser (Pointer) and IR Short or Long Range Illuminator*
AH	AH I	YES	High Power IR Aiming Laser (Pointer)
IH	IH I	YES	High Power IR Distance Illuminator
DH	DH I	YES	High Power IR Aiming Laser (Pointer) and IR Long Range Illuminator
AH	AH V	YES	High Power VIS Aiming Laser (Pointer)
AL	AL V	NO	Low Power VIS Aiming Laser (Pointer)

*Low Power IR Illuminator distance is selected within the "Illum" option on the Function Menu.

NOTE: Greyed box (high power) functions are locked out with the Blue High Power Lockout Screw is in the operational position.

C-7. FIRE Button A FIRE Button activates the selected laser as defined in Table 2.5-1. A single tap of the FIRE Button emits selected laser until the button is released, while double tap activates the selected laser until it is deactivated with another push of the FIRE Button.

C-8. IR Distance Illuminator Focus Wheel Allows the Operator to adjust the size of the IR Distance Illuminator beam aperture from a Wide Field of View (WFOV) of 70 milliradians (4 degrees) to a Near Field of View (NFOV) spot of 20 milliradians (1 degree). Refer to Section S4 for laser safety specifications.

C-9. Blue High Power Lockout Screw A removable Blue High Power Lockout Screw prevents the Mode Selection Knob from rotating to the High Power modes (AH, IH, and DH) when it is desired to prevent mode access. When the Blue High Power Lockout Screw is not installed, the knob will rotate to any mode selected by the Operator and the screw can be stored in the Lockout Screw Storage Port.

Table 2.5-2 Button Operations (by Mode)

MODE SELECTION SWITCH POSITIONS	FIRE BUTTON OPERATION*	UP BUTTON OPERATION**	ENTER BUTTON OPERATION***	DOWN BUTTON OPERATION**
AL (IR or VIS)	Low Power Aiming Laser On/Off	In Adjust Mode, Increase Aiming Laser Power One Step	Laser ON: Enter/ Exit Adjust Mode Laser OFF: Toggle LP Illuminator selection	In Adjust Mode, Decrease Aiming Laser Power One Step
IL	Low Power Illuminator On/Off	In Adjust Mode, Increase Illuminator Power One Step	Laser ON: Enter/ Exit Adjust Mode Laser OFF: Toggle LP Illuminator selection	In Adjust Mode, Decrease Illuminator Power One Step
DL	Both Low Power Aiming Laser and Illuminator On/Off	In Adjust Mode, Increase Illuminator or Aiming Laser Power One Step	Laser ON: Enter/ Exit Adjust Mode Laser OFF: Toggle LP Illuminator selection	In Adjust Mode, Decrease Illuminator or Aiming Laser Power One Step
AH (IR or VIS)	High Power Aiming Laser On/Off	In Adjust Mode, Increase Aiming Laser Power One Step	Laser ON: Enter/ Exit Adjust Mode Laser OFF: Toggle LP Illuminator selection	In Adjust Mode, Decrease Aiming Laser Power One Step
IH	High Power Illuminator On/Off	In Adjust Mode, Increase Illuminator Power One Step	Laser ON: Enter/ Exit Adjust Mode Laser OFF: Toggle LP Illuminator selection	In Adjust Mode, Decrease Illuminator Power One Step
DH	Both High Power Aiming Laser and Illuminator On/Off	In Adjust Mode, Increase Illuminator or Aiming Laser Power One Step	Laser ON: Enter/ Exit Adjust Mode Laser OFF: Toggle LP Illuminator selection	In Adjust Mode, Decrease Illuminator or Aiming Laser Power One Step
[FUNCTION MENU]**	Laser on/ off for the selected operational mode	Scroll up through available options	Select the Currently Highlighted Option	Scroll down through available options

*Single tap of the FIRE Button emits selected laser until the Button is released, while double tap activates the selected laser until it is deactivated with another push of the FIRE Button.

Pushing the Up and Down Buttons simultaneously accesses the **RAID Xe Function Menu. Note that the Function Menu is not available while laser is powered on.

***When Laser is off and not in Function Menu, toggles between Short and Long Illuminators.

C-10. Lockout Screw Storage Port A small threaded storage port is located in the center of the IR Distance Illuminator Focus Wheel to prevent loss of the Blue High Power Lockout Screw when not in use.

C-11. Light Sensor A Light Sensor located on the top of the **RAID Xe** senses ambient light for determining the brightness of the Display. Covering the Light Sensor may cause the Display to become too dim for use in bright conditions.

C-12. Near IR Long Range Illuminator Port (Aperture) The **RAID Xe** features a bright Near IR Flood Illumination Laser that can be used as a covert (distant) target illuminator for use in the high power modes while wearing NVGs. Refer to Sections S4 and 2.6 for laser specifications and Section 1.1 to identify the laser safety label.

C-13. Near IR Aiming Laser (Pointer) Port (Aperture) The **RAID Xe** features a Near IR Aiming Laser that can be used as a covert target designator for use while wearing NVGs. Refer to Sections S4 and 2.6 for laser specifications and Section 1.1 to identify the laser safety label.

C-14. VIS Aiming Laser (Pointer) Port (Aperture) The VIS Aiming Laser is used as a target designator and boresighting aid. Refer to Sections S4 and 2.6 for laser specifications and Section 1.1 to identify the laser safety label.

C-15. Near IR Short Range Illuminator Port (Aperture) The Near IR Short Range Illuminator can be used for close quarters (room) illumination for use while in the low power modes. Refer to Sections S4 and 2.6 for illuminator specifications.

C-16. Thumbnuts (2) Two Thumbnuts on the integrated Rail Mount Assembly enables mounting the **RAID Xe** to the weapon using a torque specification of 30 in-lb (see Section 3.1).

C-17. Rail Grabbers (2) The Rail Grabbers of the rail mount attach to the MIL-STD-1913 rail of the primary weapon for mounting the **RAID Xe**. One is affixed to the **RAID Xe** and the other floats for attachment to the rail. The **RAID Xe** is secured to the weapon by means of two (2) Thumbnuts (see Section 3.1).

C-18. Keypad Port The Keypad Port accepts the connector of an **ERGOCTO Xe** Three Button Keyad (12", Single Cable), optional **ERGOCTO Xe** Control Grip, or Three Button Keypad, 12", Dual Cable. It is capped by a Keypad Port Plug. Contact Wilcox Customer Service at +1-603-431-1331 or via the website at www.wilcoxind.com/contact for information on purchasing optional devices.

C-19. Adjustable Window Shroud and Display The **RAID Xe** features an OLED Display that displays up to three rows of 6-character text information to the user. View of the Display is adjustable by sliding the Window Shroud to minimize light output for nighttime operations. The shroud can slide completely out of the way for full screen display. It can also either partially or completely shroud the screen to prevent light output.

C-20. Battery Compartment and Cap A Battery Compartment Cap on the **RAID Xe** allows the Operator to access the Battery Compartment and secures the battery in place when secured with a 1/4 turn. The internal Battery Compartment houses one (1) CR123 lithium battery. Refer to Section 4.2 for battery installation instructions.

C-21. Laser Warning Label A Laser Warning Label identifies the laser specifications and precautions for using the **RAID Xe**.

C-22. Product Identification Labels with 3D Barcode Identify the Product Name, Serial Number, Manufacturer Code, Manufacturing Date of the product, the battery orientation, and universal identification code containing all above mentioned items. A scannable 3D barcode indicates the Wilcox manufacturer CAGE Code (CAGEC), the Product Part, and the Serial Number of the unit when scanned by a 3D barcode reader. Tampering with this label will void the warranty.

CK-1. Lens Pen A Lens Pen is provided for removing loose dirt and debris from the lenses and Display of the **RAID Xe** after debris has first been gently blown away. DO NOT use the Lens Pen for cleaning the mechanical components. For cleaning instructions, refer to Section 4.1.

CK-2. Cleaning Cloth A Cleaning Cloth is provided for removing any remaining residue from the lenses after they have been blown clean of dirt and dust. For cleaning instructions, refer to Section 4.1.

2.6 TECHNICAL DATA

Table 2.6-1 Technical Data

WEIGHT AND DIMENSIONS	
Operational Weight (w/ battery)	Less than 6.88 oz (195 g)
Cubic Size	Less than 9 in ³
LASER SPECIFICATIONS	
VIS Pointer (G12)	Visible Red Laser; <4.3 mW Max Output - HIGH Visible Red Laser; <0.7 mW Max Output - LOW 640 nm Collimated to <0.5 mrad
VIS Pointer (G14)	Visible Red Laser; 90 mW Max Output - HIGH Visible Red Laser; <0.7 mW Max Output - LOW 660 nm Collimated to <0.5 mrad
VIS Pointer (G18)	Visible Green Laser; 18 mW Max Output - HIGH Visible Green Laser; <0.7 mW Max Output - LOW 520 nm Collimated to <0.5 mrad
NIR Pointer (G12)	Infrared Laser; <5 mW Max Output - HIGH Infrared Laser; <0.7 mW Max Output - LOW 850 nm Collimated to <0.5 mrad
NIR Pointer (G14 and G18)	Infrared Laser; 36 mW Max Output - HIGH Infrared Laser; <0.7 mW Max Output - LOW 850 nm Collimated to <0.5 mrad
NIR Short Range Fixed Illuminator (Low Power IR Modes)	LED, 45 mW Max Output 870 nm 40 Degree FOV
NIR Long Range Variable Illuminator (High Power IR Modes) (G12)	Infrared Laser; 32 mW Max Output - HIGH Infrared Laser; <0.7 mW Max Output - LOW 850 nm Variable Collimation >19 mrad (1/e)
NIR Long Range Variable Illuminator (High Power IR Modes) (G14 and G18)	Infrared Laser; 90 mW Max Output - HIGH Infrared Laser; <0.7 mW Max Output - LOW 850 nm Variable Collimation 12 to 74 mrad (1/e)

TEMPERATURE SPECIFICATIONS

Operating Temperature Range	-4°F to 140°F (-20°C to 60°C)
Storage Temperature Range	-40°F to 160°F (-40°C to 71°C)

ADDITIONAL SPECIFICATIONS

Power Source	One (1) CR123 Lithium Battery; Wilcox recommends the SUREFIRE Lithium CR123 battery.
Display	72 x 40 Pixel OLED
Color	Black or Coyote Brown Matte Finish
Low Pressure Altitude	25,000 Feet Above Sea Level
Water Resistance	Waterproof to 1 Meter for 60 Minutes

SECTION 3

OPERATION

3.1 MOUNTING AND DISMOUNTING THE *RAID Xe*

The *RAID Xe* features a built-in Rail Mount that allows the *RAID Xe* to attach to the MIL-STD-1913 rail of the primary weapon by means of two (2) Thumbnuts and a Rail Grabber. It mounts to the 9, 12, and 3 O'Clock positions of the primary weapon (12 O'Clock is recommended).

▲ WARNING ▲

Make sure that the weapon is CLEAR and on SAFE before installing the *RAID Xe* on a weapon, in accordance with the weapon's operator's manual, the *RAID Xe* is powered off, Laser Safety Cover on, and the battery removed prior to installation. Failure to do so can result in property damage, injury, and/or death.

To Mount the *RAID Xe* to the Primary Weapon:

- Step 1.)** Fully unthread the two (2) Thumbnuts CCW to loosen the Rail Grabber.
- Step 2.)** Attach the *RAID Xe* floating rail to the MIL-STD-1913 rail of the weapon.
- Step 3.)** Pivot the *RAID Xe* downward so that it sits flat on the weapon rail and the opposite Rail Grabber is positioned to engage.

- Step 4.)** Turn the Thumbnuts CW using the Xe Utility Tool (recommended), screwdriver, or coin, alternating between the Thumbnuts for even distribution. 30 in-lb is recommended. Attempt to remove the **RAID Xe** from the rail by pulling to ensure that it is securely attached. If not properly attached, retighten.

To Dismount the RAID Xe from the Primary Weapon:

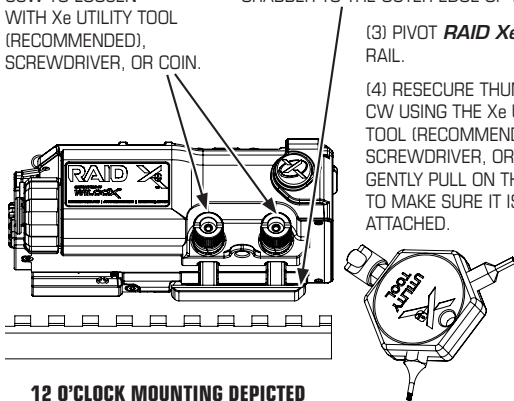
Carefully grasp the **RAID Xe** then unthread the Thumbnuts CCW to allow the locking plate to slide, using caution not to release the Thumbnuts from the screw. Pivot the **RAID Xe** away from the rail.

(1) TURN THUMBNUTS
CCW TO LOOSEN
WITH XE UTILITY TOOL
(RECOMMENDED),
SCREWDRIVER, OR COIN.

(2) ATTACH THE INSIDE OF THE FLOATING RAIL
GRABBER TO THE OUTER EDGE OF THE RAIL.

(3) PIVOT **RAID Xe** DOWN ONTO
RAIL.

(4) RESECURE THUMBNUTS
CW USING THE XE UTILITY
TOOL (RECOMMENDED),
SCREWDRIVER, OR COIN, AND
GENTLY PULL ON THE **RAID Xe**
TO MAKE SURE IT IS SECURELY
ATTACHED.



12 O'CLOCK MOUNTING DEPICTED

Figure 3.1-1 Mounting the RAID Xe to the MIL-STD-1913 Rail

3.2 INSTALLING THE BLUE HIGH POWER LOCKOUT SCREW ON THE *RAID Xe*

The Blue High Power Lockout Screw prevents accidental operation of High Power Lasers when Low Power operation is intended when positioned in the Mode Selection Switch. To prevent accidental discharge of high power lasers, install the Blue High Power Lockout Screw.

(1) PLACE THE MODE SELECTION SWITCH IN THE "OFF" POSITION.

WHEN NOT IN USE, THREAD BLUE HIGH POWER LOCKOUT SCREW HERE TO PREVENT LOSS OF THE SCREW.

(2) INSTALL THE BLUE HIGH POWER LOCKOUT SCREW USING THE *Xe* UTILITY TOOL (RECOMMENDED) OR A 5/64 HEX KEY.

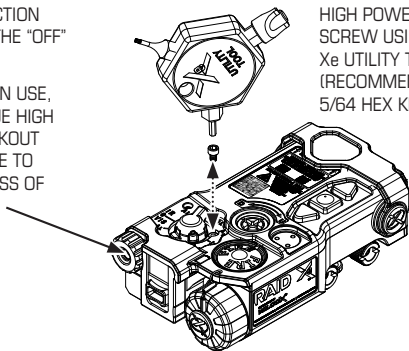


Figure 3.2-1 Installing the Blue High Power Lockout Screw on the *RAID Xe*

3.3 ATTACHING THE *ERGOCTO Xe* THREE BUTTON KEYPAD TO THE *RAID Xe*

■ CAUTION ■

Always make sure the Keypad Port Plug is in place when the Three Button Keypad or Control Grip are not in use to prevent water entry to the device.

An ***ERGOCTO Xe*** Three Button Keypad and optional Control Grip are available for the ***RAID Xe*** that allows operation of the selected lasers. It attaches to the Keypad Port on the ***RAID Xe*** when in use.

For purchase information, contact Wilcox Customer Service at +1-603-431-1331 or via the website at www.wilcoxind.com/contact.

NOTE

Refer to Table 2.4-1 and Section 3.6.4 for Three Button Keypad function.

To Attach the Three Button Keypad or Control Grip:

- Step 1.)** Unthread the screw on the Keypad Port Plug CCW using the Xe Utility Tool and remove.
- Step 2.)** Place the Insulator Pull Tab along the side of the Keypad Port Plug (see Figure 3.3-1).
- Step 3.)** Seat the WX Connector, making sure the Insulator Pull Tab is between the Keypad Port O-ring and the unit housing.
- Step 4.)** Apply pressure to the WX Connector and begin threading the screw into the unit housing.

- Step 5.)** Once the threads have started, remove the Insulator Pull Tab.

NOTE

Remove the Insulator Pull Tab prior to fully seating the Keypad Port Plug into the Keypad Port. This will ensure a watertight seal for the remote connection.

- Step 6.)** Continue tightening the screw CW until fully seated.

To Detach the Three Button Keypad or Control Grip:

- Step 1.)** Unthread the screw on the WX Connector CCW using the Xe Utility Tool and remove.
- Step 2.)** Replace the Keypad Port Plug and push into the Keypad Port.
- Step 3.)** Thread the screw CW until fully seated.

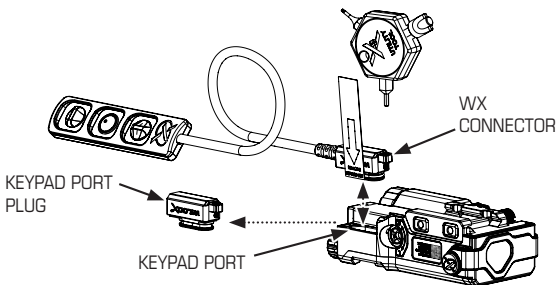
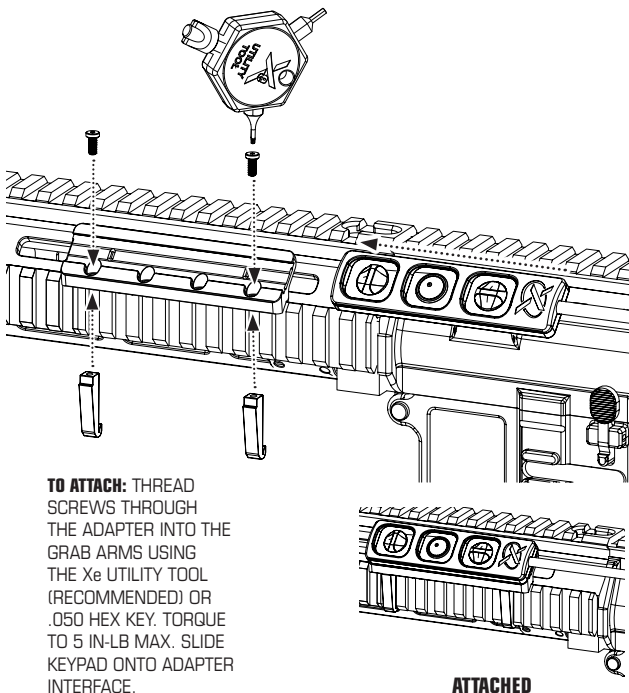


Figure 3.3-1 Attaching the Three Button Keypad to the RAID Xe

3.4 ATTACHING THE RAIL ADAPTER TO THE WEAPON RAIL

A Rail Adapter is provided to secure the Three Button Keypad to the side rail for ease of access in operation. The Adapter attaches to the rail for use in any of eight (8) orientations on the rail.



TO ATTACH: THREAD SCREWS THROUGH THE ADAPTER INTO THE GRAB ARMS USING THE Xe UTILITY TOOL (RECOMMENDED) OR .050 HEX KEY. TORQUE TO 5 IN-LB MAX. SLIDE KEYPAD ONTO ADAPTER INTERFACE.

Figure 3.4-1 Attaching the Rail Adapter to the Weapon Rail

3.5 POWERING ON THE *RAID Xe*

To Power On the *RAID Xe*:

- Step 1.)** Make sure that the *RAID Xe* is securely mounted.
- Step 2.)** Turn the Mode Selection Knob to select the desired mode of operation. When the power is on in any mode, the Display illuminates. The active mode of the laser appears on the Display (see Figure 3.5-1). If the *RAID Xe* Display indicates that a low battery condition exists when powered on, replace the battery as described in Section 4.2.

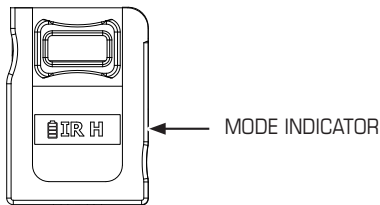


Figure 3.5-1 Display Features

3.6 CONFIGURING USER FUNCTION SETTINGS

The **RAID Xe** Function Menu allows the Operator to display and/or configure a variety of **RAID Xe** attributes (see Table 3.6-1). Push the Up and Down buttons simultaneously to enter or exit the Function Menu.

The “**Bright**” option allows the operator to set the Display brightness to automatically dim and brighten in accordance with ambient light or to a manually set value. To quickly restore the **RAID Xe** to automatic brightness, push and hold the Up and Down Buttons while powering on the system.



Figure 3.6-1 Function Menu

Table 3.6-1 Function Menu Options

FUNCTION	DESCRIPTION	VALUES		DEFAULT
Bright	Adjust Display Brightness	Auto, Dim 4, Dim 3, Dim 2, Dim 1, Brite1, Brite2, Brite3, Brite4		Auto
Blink	Set the Laser ID Blink Pattern	ID: OFF, ID: 1, ID: 2, ID: 3, ID: 4, ID: 5, ID: 6		ID: OFF
Illum	Selecting the Low Power Illuminator	Long, Short		Short
Remote*	Select Optional Remote Button Function	If KEYPAD Mode is Selected: 1: <btn1>, 2: <btn2>, 3: <btn3>, COMMS, Exit	If COMMS Mode is Selected: KEYPAD, COMMS*, Exit	1: ILrl 2: Fire 3: DH I
ScrnSv	Adjust Inactivity Timeout	Off, 1 M, 3 M, 5 M, 10 M, —		5 M
Test	Perform a Built-In Test			—
Deflt	Set Factory Defaults	Reset, NO Rst		NO Rst
Maint	Display or Configure the Maintenance Counter			
Events	Display the Event Log	—		—
About	Display Version Information and Battery %	—		—

* Button 2 is the only available Button on the Legacy remote.

** Selecting COMMS mode disables the remote functionality. COMMS mode is designed to support future configurability on the device. KEYPAD mode allows the Operator to configure Button functionality.

3.6.1 Setting Display Brightness

To Set Display Brightness:

Step 1.) Push the Up and Down Buttons simultaneously to access the Function Menu. The first highlighted function menu option (i.e., "**Bright**") appears on the Display. Push the Enter Button to enter the "Bright" Menu.

Step 2.) Push the Up or Down Button until the desired option is highlighted, then push the Enter Button to select.

<u>OPTION</u>	<u>DESCRIPTION</u>
Auto (DEFAULT)	Dim 3 to Brite4, Based on Light Sensor Input
Dim 4*	Dimmest
Dim 3	...
Dim 2	...
Dim 1	...
Brite1	...
Brite2	...
Brite3	...
Brite4	Brightest

*The "**Dim 4**" (lowest brightness option) is not available from Auto mode. If this is required for NVG usage, use the manual setting to acquire this brightness level.

Step 3.) Push the Up and Down Buttons simultaneously to exit this Function Menu.

3.6.2 Setting Laser Identification Patterns

The **RAID Xe** provides a built-in “Blink” function that allows the Operator to set a custom blink identification pattern for the **RAID Xe** pointer lasers.

To Set the Laser ID Blink Pattern:

- Step 1.)** With lasers turned off, push the Up and Down Buttons simultaneously to access the Function Menu.
- Step 2.)** Push the Up or Down Button until “**Blink**” is highlighted, then push the Enter Button to select.
- Step 3.)** Push the Up or Down Button until the desired option is highlighted then push the Enter Button to Select.

<u>OPTION</u>	<u>DESCRIPTION</u>
ID:OFF (DEFAULT)	No Blinking
ID: 1	Fast Blink Rate
ID: 2	Medium Fast Blink Rate
ID: 3	Medium Slow Blink Rate
ID: 4	Slow Blink Rate
ID: 5	Fast with Double Blink
ID: 6	Slow with Double Blink

- Step 4.)** Push the Up and Down Buttons simultaneously to exit this Function Menu.

3.6.3 Selecting the Low Power Illuminator

The "Illum" function allows the Operator to select between the "Short" Range Illuminator or "Long" Range Illuminator when operating in Low Power illuminator modes.

To Select the Low Power Illuminator:

- Step 1.)** With lasers turned off, push the Up and Down Buttons simultaneously to access the Function Menu.
- Step 2.)** Push the Up or Down Button until "**Illum**" is highlighted, then push the Enter Button to select.
- Step 3.)** Push the Up or Down Button until the desired option is highlighted then push the Enter Button to Select.

<u>OPTION</u>	<u>DESCRIPTION</u>
Short (DEFAULT)	Low Power, Short Range Illuminator
Long	Low Power, Long Range Focusable Illuminator

- Step 4.)** Push the Up and Down Buttons simultaneously to exit this Function Menu.

3.6.4 Programming the Three Button Keypad Buttons

The “Remote” function allows the Operator to program the function of each of the **ERGOCTO Xe** Three Button Keypad Buttons (see Table 2.4.1 for default operation).

To Program the Three Button Keypad Buttons:

- Step 1.)** Push the Up and Down Buttons simultaneously to access the Function Menu.
- Step 2.)** Push the Up or Down Button until “**Remote**” is highlighted, then push the Enter Button to select.
- Step 3.)** Push the Up or Down Button until the desired Button is highlighted or Exit to return to the Function Menu, then push the Enter Button to select.

- Step 4.)** Push the Up or Down Button until the desired option is highlighted, then push the Enter Button to select.

<u>OPTION</u>	<u>DESCRIPTION</u>
AL V	Low Power VIS Aiming Laser
AL I	Low Power IR Aiming Laser
IL I	Low Power IR Illuminator
ILrL	Low Power IR LED Illuminator
DL I	Dual Low IR Laser and Illuminator
AH V*	High Power VIS Aiming Laser
AH I*	High Power IR Aiming Laser
IH I*	High Power IR Illuminator
DH I*	Dual High Power IR Laser and Illuminator
Fire	Activates current laser selected by the switch position

*In Low Power switch positions, High Power laser configurations will be limited to the maximum Low Power setting.

- Step 5.)** Push the Up and Down Buttons simultaneously to exit the Function Menu.

3.6.5 Setting the Sleep Timer

The “ScrnSv” function allows the Operator to set the amount of inactive time before the **RAID Xe** goes into a power saving Sleep Mode. When the **RAID Xe** is in Sleep Mode, the Display will be powered off and only essential functions will be running. The inactivity timer begins when lasers are not on and no buttons are pressed. Pushing any button, changing the mode selection, or a detected weapon fire will wake the **RAID Xe**.

To Set the Sleep Timer:

- Step 1.)** Push the Up and Down Buttons simultaneously to access the Function Menu.
- Step 2.)** Push the Up or Down Button until “**ScrnSv**” is highlighted, then push the Enter Button to select.

- Step 3.)** Push the Up or Down Button until the desired option is highlighted, then push the Enter Button.

<u>OPTION</u>	<u>DESCRIPTION</u>
OFF	Sleep Mode Disabled
1 M	1 Minute
3 M	3 Minutes
5 M (DEFAULT)	5 Minutes
10 M	10 Minutes

- Step 4.)** Push the Up and Down Buttons simultaneously to exit the Function Menu.

3.6.6 Performing a Built-In Test

The "Test" function allows the Operator to perform tests against the internal hardware to ensure proper operation. It consists of multiple test steps and a message is displayed at each step.

To Perform a Built-In Test:

- Step 1.)** Make sure that the **RAID Xe** is fitted with fresh batteries.
- Step 2.)** Push the Up and Down Buttons simultaneously to access the Function Menu.
- Step 3.)** Push the Up or Down Button until "**Test**" is highlighted, then push the Enter Button to select.
- Step 4.)** Push the Up or Down Button to step through the tests until the final screen is displayed. The final screen will

display “Done All Passed” if the test passed, or “Done [#] Failed” if it failed (where [#] is the number of failed tests. **Note:** If the Up or Down Button is held down, testing will be repeated.

Step 5.) Push the Enter Button to exit testing.

Step 6.) Push the Up and Down Buttons simultaneously to exit the Function Menu.

3.6.7 Setting Factory Defaults

The “Deflt” function allows the Operator to restore **RAID Xe** settings to the defaults set at the factory. These settings include the low power mode laser step (default = **3**) high power mode laser step (default = **10**), laser ID blink pattern (default = “**ID:OFF**”), the Display brightness (default = “**AUTO**”), keypad configuration (default = 1: ILrI, 2: Fire, 3: DH I), and sleep mode timer (default = 5 M).

To Restore Factory Defaults:

Step 1.) Push the Up and Down Buttons simultaneously to access the Function Menu.

Step 2.) Push the Up or Down Button until “**Deflt**” is highlighted, then push the Enter Button to select.

Step 3.) Push the Up or Down Button until “**Reset**” is highlighted. Alternatively, push the Up or Down Button until “**NoRst**” is highlighted if you do NOT wish to set factory defaults.

Step 4.) Push the Enter Button to select.

- Step 5.)** Turn the Mode Selection Switch to the “OFF” position. The **RAID Xe** is now reset and restoration is complete.

3.6.8 Displaying the Maintenance Counter

The “Maint” function displays the accumulated count of laser activations over the life of the **RAID Xe**. To get a count of laser activations during an operation, log the pre-operational count for later comparison post-operation.

To Display the Maintenance Counter:

- Step 1.)** Push the Up and Down Buttons simultaneously to access the Function Menu.
- Step 2.)** Push the Up or Down Button until “**Maint**” is highlighted, then push the Enter Button to select. The current laser count displays.
- Step 3.)** Push the Enter Button once again to return to the Function Menu, or push the Up and Down Buttons simultaneously to exit the Function Menu.

3.6.9 Displaying the Event Log

The “Events” function displays up to three (3) events, categorized by their criticality from low to high as follows: “I” = Informational, “W” = Warning, and “E” = Error. Warning and error events will cause a highlighted “!” to display briefly near the battery indicator. Refer to Section 4.7 for code definition.

To Display the Event Log:

- Step 1.)** Push the Up and Down Buttons simultaneously to access the Function Menu.
- Step 2.)** Push the Up or Down Button until “Events” is highlighted, then push the Enter Button to display the Event Log:
- Event 1:** The first event since the last power up.
 - Event 2:** The next event or the first higher level event.
 - Event 3:** The most recent highest level event.
- Step 3.)** Push any button to exit the Event Display and return to the Function Menu.
- Step 4.)** Push the Up and Down Buttons simultaneously to exit the Function Menu.

3.6.10 Displaying the About Screen

The “About” function allows the Operator to display unit information. The information is displayed on two screens. The first screen displays the software revision, hardware revision, and battery percentage level. The second screen includes the unit serial number and model configuration.

To Display the About Screen:

- Step 1.)** Push the Up and Down Buttons simultaneously to access the Function Menu. The first function menu option (i.e., “Bright”) appears on the Display.
- Step 2.)** Push the Up or Down Button until “**About**” is highlighted, then push the Enter Button to select. The first system information screen displays.
- Step 3.)** Push the Up or Down Button once again to display the second page of information. This information includes the product serial number and the model (“Rd” for Red Laser or “Gr” for Green Laser).
- Step 4.)** Push the Enter Button to return to the Function Menu or the Up and Down Buttons simultaneously to exit the Function Menu.

3.7 BORESIGHT PROCEDURE (ESTABLISHING THEORETICAL ZERO WITH A LASER BORESIGHT KIT)

The lasers are co-aligned at the factory and are all adjusted simultaneously. Follow your organization's procedures for boresighting. Whenever possible, follow with live fire to verify aiming accuracy.

▲ WARNING ▲

When mounting the *RAID Xe* to a weapon or a new rail position, it is necessary to properly boresight the *RAID Xe* to the weapon to ensure aiming accuracy.

■ CAUTION ■

The beam of the laser emitting from the *RAID Xe* indicates the area of round impact, provided the boresighting procedures have been properly followed. Be aware of the direction in which the weapon is pointed, as well as the direction of the intended target, prior to firing a round.

NOTE

When boresighting the *RAID Xe* to the target, it is recommended that only the low power VIS Laser be used.

3.8 PRE-OPERATION CHECKLIST

Prior to operation, perform the following pre-operational checks to ensure proper system operation.

■ CAUTION ■

It is recommended that the battery be replaced and that activation procedures for the *RAID Xe* be conducted prior to operation to ensure proper operation before use (see Section 4.2).

- Step 1.)** Make sure that a fresh CR123 battery has been installed.
- Step 2.)** Note and record the maintenance count for comparison to the post-operational count as described in Section 3.6.8.
- Step 3.)** Set the Maintenance Counter to the correct weapon configuration as instructed in Section 3.6.8.
- Step 4.)** Mount the ***RAID Xe*** to the primary weapon (see Section 3.1).
- Step 5.)** Remove the Laser Safety Cover.
- Step 6.)** Zero the weapon to the lasers as instructed in Section 3.7.

3.9 OPERATING THE *RAID Xe*

To quickly fire the weapon, align to the target using the selected pointer laser and fire.

NOTE

After 5 minutes of inactivity, the *RAID Xe* laser timer will deactivate the lasers. Pushing the FIRE Button will reactivate the laser.

- Step 1.)** Make sure that all pre-operational steps have been performed as described in Section 3.8.
- Step 2.)** Remove the Laser Safety Cover from the Laser Ports (Apertures).
- Step 3.)** Verify that the weapon is level to the horizon.
- Step 4.)** Turn the Mode Selection Knob to the desired mode position. The selected mode appears on the Display along with a battery power indicator.
- Step 5.)** To activate or deactivate the selected laser, push the "FIRE" button on the *RAID Xe* or, if applicable, the configured button on the Three Button Keypad. To activate or deactivate an attached SUREFIRE flashlight, regardless of the laser mode selected (as described in Section 2.4), push the flashlight button on the Three Button Keypad (optional dual cable only).

Step 6.) To adjust laser brightness while any **single** laser is active, push the Enter Button to enter the laser power adjustment mode then use the Up and Down Buttons to adjust the laser power output. When in a **dual** mode, the NIR Aiming Laser (Pointer) is adjusted first. After adjusting the NIR Aiming Laser (Pointer), push the Enter Button again to adjust the NIR Long Range Illuminator. Upon exiting power adjustment, laser powers are saved and will persist through power cycling.

In **high** power laser modes, the NIR Aiming Laser (Pointer), NIR Long Range Illuminator, and VIS Aiming Laser (Pointer) support laser power steps 1-10, with step 10 being the highest. In **low** power modes, the NIR Aiming Laser (Pointer), NIR Long Range Illuminator, and VIS Aiming Laser (Pointer) support laser power steps 1-3, which is the calibrated low laser power range. The NIR Short Range Illuminator supports steps 1-5 at any point, with 5 being the highest output.

Step 7.) Align the laser with the target. The system is now ready to operate.

Step 8.) Fire the weapon as instructed in its operator's manual.

Step 9.) When not operating the **RAID Xe**, turn the Mode Selection Knob to the "0" (OFF) position and replace the Laser Safety Cover on the Laser Ports (Apertures).

SECTION 4

MAINTENANCE

4.1 CARE OF THE *RAID Xe*

■ CAUTION ■

Do not use harsh abrasives or chemicals such as acetone to clean the *RAID Xe*. Clean only as instructed in Section 4.1.

NOTE

Periodically inspect the Battery Compartment O-ring. If the Battery Compartment O-ring becomes cut, nicked, or torn, see Section 4.3 for replacement instructions.

Dismount the *RAID Xe* from the primary weapon and inspect the unit for dirt, rust, and corrosion. If the Display or lenses are broken or cloudy, notify the Unit Armorer.

Make sure the Battery Compartment Cap and O-ring are tightly sealed and that the area is free of sand and dirt particles. If the Battery Compartment O-ring becomes cut, nicked, or torn, see Section 4.3 for replacement instructions.

Dirt and other residue, like exposure to saltwater, may impede the mechanical operation of the **RAID Xe**. Flush with fresh water to remove any debris. Blow any residual dirt or dust free from the lenses, then wipe with the Cleaning Cloth or use the Lens Pen, both provided. Do not use the Lens Pen to remove dirt and debris from the mounting rails and controls. Cleaning should be done on a regular basis.

If further lens cleaning is necessary, use the Cleaning Cloth with a small amount of Isopropyl (Rubbing) Alcohol.

Always keep the Laser Safety Cover, Keypad Port Plug, and Battery Compartment Cap fully installed when not in use to prevent entry of foreign debris, corrosion, and scratching of the lenses.

4.2 BATTERY REPLACEMENT

The **RAID Xe** operates on one (1) CR123 battery. When the battery is not correctly installed, the positive ("+") post of the battery cannot make contact. Install as illustrated in Figure 4.2-1. Refer to Table 4.2-1 for total estimated run times after installing a fresh CR123 battery.

REMOVE BATTERY CAP BY TURNING CCW 1/4 TURN AND REMOVING CAP.

INSTALL ONE (1) FRESH CR123 BATTERY PRIOR TO OPERATION, "+" SIDE FIRST.

INSPECT BATTERY COMPARTMENT O-RING FOR DAMAGE OR WEAR AND REPLACE IF NECESSARY (SECTION 4.3).

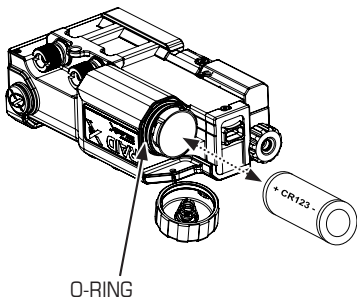


Figure 4.2-1 Replacing the Battery in the RAID Xe

**Table 4.2-1 RAID X_e Estimated Run Times
(by Ambient Temperature)**

ESTIMATED REMAINING BATTERY LIFE	
TEMPERATURE	ESTIMATED REMAINING RUN TIME *
-20°C (-4°F)	<4 Hours * *
-10°C (14°F)	<4 Hours * *
0°C (32°F)	<4 Hours * *
10°C (50°F)	<4 Hours * *
20°C (68°F)	<4 Hours * *
30°C (86°F)	<4 Hours * *
40°C (104°F)	<4 Hours * *
50°C (122°F)	<4 Hours * *
60°C (140°F)	<4 Hours * *

*Tested with SUREFIRE CR123 battery in Dual High Mode. Operator can expect longer operational run times when operating in other modes.

**Estimated run time depending on operational use.

The Battery Indicator on the **RAID X_e** Display (see Table 4.2-2) shows up to four (4) bars, one (1) bar for approximately each 20% of remaining battery life (see Table 4.2-3). If no bars appear in place of the indicator, the **RAID X_e** has less than 20% of battery life remaining.

Table 4.2-2 RAID X_e Key Display Indicators

INDICATOR	DESCRIPTION
	Low Battery (Less than 20% Remaining)
	Full Battery

Table 4.2-3 RAID X_e Estimated Remaining Battery Life (by Ambient Temperature)

ESTIMATED REMAINING BATTERY LIFE	
TEMPERATURE	ESTIMATED REMAINING RUN TIME FROM WHEN YOU FIRST SAW THE LOW BATTERY INDICATOR*
-20°C (-4°F)	1 Hour
-10°C (14°F)	30 Minutes
0°C (32°F)	20 Minutes
10°C (50°F)	12 Minutes
20°C (68°F)	6 Minutes
30°C (86°F)	6 Minutes
40°C (104°F)	6 Minutes
50°C (122°F)	6 Minutes
60°C (140°F)	6 Minutes

*Tested with SUREFIRE CR123 battery in Dual High Mode. Operator can expect longer operational run times when operating in other modes.

When the low battery indicator appears on the Display, all active lasers will briefly flash five (5) fast blinks. This blink sequence will also occur if a low battery condition exists when activating a laser.

When lasers flash to indicate a low battery, remaining battery life will depend on operational temperature (see Tables 4.2-1 and 4.2-3). When this occurs, performance of the **RAID Xe** will be degraded in accordance with Table 4.2-3. Replace the used CR123 size battery when the Battery Indicator becomes low.

4.3 INSPECTING AND REPLACING THE O-RING

■ CAUTION ■

Failure to maintain the O-ring may affect product performance.

The Battery Compartment of the **RAID Xe** contains one (1) Buna O-ring that prevents dirt and water intrusion to the Battery Compartment.

Age and temperature can wear Buna rubber, so O-rings should be inspected periodically to maintain proper operation of the system. O-rings are highly pliable and stretchable and can be overstretched in the process of inspection. For this reason, it is strongly advised that they be replaced whenever they are removed to ensure proper sealing of the compartment.

O-ring replacements are available through Wilcox and should be purchased in advance of need to ensure continued service.

Step 1.) Inspect the O-ring (see Figure 4.3-1).

Step 2a.) **If the O-ring is dirty**, gently wipe away any debris with a lint-free cloth, NOT the provided Cleaning Cloth, and apply Silicone Grease to the exterior surface of the O-ring without removing it.

Step 2b.) **If the O-ring is cracked, pinched, hard, dry, or feels tacky**, gently remove the it using a pick tool. Carefully apply Silicone Grease to both sides with the thumb and index finger and install, using caution not to overstretch or damage the O-ring.

Step 2c.) If the O-ring does not need cleaning or replacement but requires lubrication, apply Silicone Grease to the exterior surface of the O-ring without removing it.

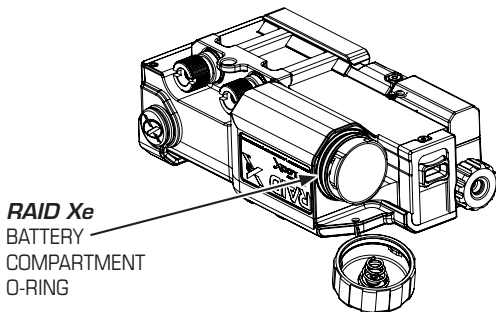


Figure 4.3-1 Inspecting and Replacing the O-Ring

4.4 ATTACHING AND DETACHING THE *RAID Xe* LASER SAFETY COVERS

The *RAID Xe* is provided with two Laser Safety Cover options for prevention of lens damage and to prevent accidental exposure to active lasers.

To Attach the Rubber Laser Safety Cover:

- Step 1.)** Slide the Laser Safety Cover over the end of the *RAID Xe* case so that the pin holes align with the holes in the case.
- Step 2.)** Insert the pins into the mounting holes in the case and slide through the holes of the rubber cover. Thread the screws on CW using the Xe Utility Tool (recommended) or a .050 Hex Key. DO NOT overtighten.

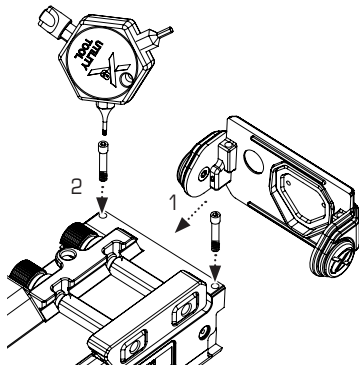


Figure 4.4-1 Attaching the *RAID Xe* Rubber Laser Safety Cover

To Detach the Rubber Laser Safety Cover:

Follow instructions for attaching in reverse.

To Attach the Laser Safety Visor:

- Step 1.)** Insert the Side Pivot Posts and thread CW using the Xe Utility Tool (recommended) or a .050 Hex Key. DO NOT overtighten.
- Step 2.)** Slide the Laser Safety Visor over the end of the **RAID Xe** case so that the pin holes align with the holes in the case.
- Step 3.)** Insert the pins into the mounting holes in the case and slide through the holes of the Visor. Thread the screws on CW using the Xe Utility Tool (recommended) or a .050 Hex Key. DO NOT overtighten.

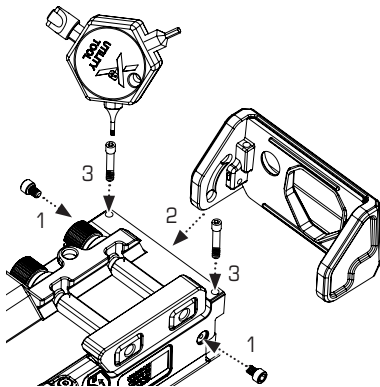


Figure 4.4-2 Attaching the RAID Xe Laser Safety Visor

To Detach the Laser Safety Visor:

Follow instructions for attaching in reverse.

4.5 STORAGE

Make sure that cleaning instructions in Section 4.1 have been followed. When the **RAID Xe** is dismantled for storage, place the Mode Selection Knob in the "OFF" position. Resecure the Laser Safety Cover to the **RAID Xe** lens ports (apertures) to prevent dust and dirt entry. Remove battery from the **RAID Xe** and retain.

■ CAUTION ■

Do not store the RAID Xe with the battery installed.

4.6 SHIPPING

Prior to shipping the **RAID Xe**, follow cleaning and storage instructions as described in Sections 4.1 and 4.5. Package all components securely in a suitable shipping container, maintaining adequate separation between components.

4.7 TROUBLESHOOTING

Use the Event Log function on the Function Menu to determine the cause of system events (see Section 3.6.9). The Event Log displays up to three (3) events:

- **Event 1:** The first event since the last power up.
- **Event 2:** The next event or the first higher level event.
- **Event 3:** The most recent highest level event.

Event Levels

Levels are an indication of importance. Levels include:

- Informational (I)
- Warning (W)
- Error (E)

Warning and Error level events display a highlighted "!" near the battery icon while Informational events do not.

Table 4.7-1 identifies the codes, causes, and solutions of these events. If an event code should display and persists after attempting to perform the solutions listed in the table, please contact Wilcox Customer Service for assistance at +1-603-431-1331 or via the website at www.wilcoxind.com/contact.

Table 4.7-1 System Events

EVENT LEVEL	EVENT CODE	DESCRIPTION	SOLUTION
I	71	Update patch applied. This may occur on firmware updating to initialize changes to persistent storage.	No action required.
W	72	Low battery detected during storage of a configuration change. The change was NOT stored in persistent memory. However, the attempted change is in active memory and the unit can be operated using the changed value until the next power cycle. This event displays "LOBAT" at the bottom of the Display.	1. Use unit with changes not saved. 2. Replace battery and try again (refer to Section 4.2).
E	75	Setting defaults failed. This may occur after a "LOBAT" event.	Install a fresh battery and try again (refer to Section 4.2).

E = Error; W = Warning, I = Informational

APPENDIX A

WARRANTY STATEMENT

A.1 STANDARD LIMITED WARRANTY

Wilcox Industries Corp. ("WX") offers a limited warranty ("Limited Warranty") that its products will be free from defects in material and workmanship under proper usage for one (1) year from the date of original shipment from WX ("Warranty Period") if purchased through an authorized sale, provided that, the product and purchasing documents are returned to WX (at user's expense) and WX will have the option (in its sole discretion) to exchange or recondition the product (subject to WX's examination and confirmation that the product is defective), and return the product via preapproved carrier at user's expense. This Limited Warranty is void if the date of manufacture which is laser engraved on the product is defaced, modified, or altered. This Limited Warranty is only for products purchased directly from WX or an authorized reseller. Items purchased via ecommerce such as Ebay, Craigslist, Amazon, or any other online marketplaces are not eligible for the Limited Warranty.

The Limited Warranty does not include damage or defects arising from improper use, maintenance, repairs, installation or storage, abuse, misapplication, vandalism, negligence, neglect, normal wear and tear, or any other circumstances over which WX has no control.

WX MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED. WX SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, THE WARRANTIES OF MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE.

THE LIMITED WARRANTY IS YOUR SOLE AND EXCLUSIVE REMEDY FOR WARRANTY COVERAGE, WX CONDUCT, OR FOR ANY OTHER CLAIM OR CAUSE OF ACTION AGAINST WX. WX SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES WHETHER DIRECT, INCIDENTAL, CONSEQUENTIAL, OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, LABOR CHARGES, REPAIRING OTHER PRODUCTS, REPLACEMENTS, OR ANY DELAYS.

IN ADDITION, TO THE FULLEST EXTENT PERMISSIBLE BY LAW, WX SHALL NOT BE LIABLE FOR ANY INJURY OR DAMAGE TO PERSONS OR PROPERTY OF ANY KIND. IN NO EVENT SHALL WX BE LIABLE FOR DIRECT, SPECIAL, INDIRECT, PUNITIVE, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS, FUTURE REVENUE, DATA, OR ANY OTHER LOSS, REGARDLESS OF WHETHER A CLAIM OR ACTION IS ASSERTED IN CONTRACT OR TORT, WHETHER OR NOT THE POSSIBILITY OF SUCH DAMAGES HAS BEEN DISCLOSED IN ADVANCE OR COULD HAVE BEEN REASONABLY FORESEEN.

NOTWITHSTANDING ANY OTHER AGREEMENT OR UNDERSTANDING BETWEEN THE PARTIES, THE PARTIES AGREE THAT ALL LIABILITY WITH RESPECT TO A CLAIM AGAINST WX IN CONNECTION WITH OR RELATED TO ANY PRODUCT PROVIDED BY WX SHALL BE LIMITED IN DURATION TO THE WARRANTY PERIOD AND SOLELY TO DIRECT DAMAGES, AND MAY BE SATISFIED BY REPAIR OR REPLACEMENT OF NONCONFORMING PRODUCT (AS DETERMINED BY WX IN ITS SOLE AND ABSOLUTE DISCRETION), AND IN NO EVENT SHALL THE AGGREGATE RECOVERY OF ANY KIND AGAINST WX EXCEED THE LESSER OF TWENTY THOUSAND DOLLARS (\$20,000 USD) OR THE PURCHASE PRICE OF THE PRODUCT.

A.2 WARRANTY CLAIM AND SERVICE INFORMATION

For warranty claim or service work, WX must be contacted in the United States at +1-603-431-1331 to assign a Return Merchandise Authorization (RMA)/Service Call Number (SC) prior to return shipment.

After an RMA/SC number is provided, WX will accept a package at the address below, clearly marked with the number assigned as follows:

Wilcox Industries Corp.
RMA/SC # _____
One Wilcox Way
Newington, NH 03801 USA

The **RAID Xe** must be securely packaged, accompanied by purchasing information, a letter including sender's name, address, daytime phone number, date of manufacture, lot number, and a description of the problem or work to be performed.

APPENDIX B

ABBREVIATIONS

B.1 ABBREVIATIONS

ANSI	American National Standards Institute
C	Celsius
CAGEC	Commercial And Government Entity Code
CCW	Counterclockwise
CFR	Code of Federal Regulations
CW	Clockwise
F	Fahrenheit
FOV	Field of View
in³	Cubic Inches
in-lb	Inch-Pound(s)
IR	Infrared
ITAR	International Traffic in Arms Regulations
LED	Light Emitting Diode
m	Meter(s)
mrاد	Milliradian(s)
mW	Milliwatt(s)

NFOV	Near Field of View
NIR	Near Infrared
nm	Nanometer(s)
NOHD	Nominal Ocular Hazard Distance
NSHD	Nominal Skin Hazard Distance
NVG	Night Vision Goggle
OD	Optical Density
OLED	Organic Light Emitting Diode
OSHA	Occupational Safety and Health Administration
oz	Ounce(s)
<i>RAID Xe</i>	Ruggedized Aiming/Illumination Device - Enhanced
RMA	Return Merchandise Authorization
SC	Service Call Number
VIS	Visible
WFOV	Wide Field of View

APPENDIX C

SPARE AND OPTIONAL PARTS

C.1 SPARE AND OPTIONAL PARTS LISTS

To order replacement and optional parts, contact the Wilcox Sales Department at +1-603-431-1331 or via the website at www.wilcoxind.com/contact. Please specify the product color when ordering.

NOTE

Wilcox supplies “Non-Berry”-compliant tactical pouches unless specified prior to ordering.

The repair type specified for the following replacement parts is identified as follows:

- **Field** – Can be changed out at the field level.
- **Armorer** – Can be changed out by the Unit Armorer.
- **Factory** – A change that occurs at the factory level only.

Table C-1 Spare Parts List

#	PART NO	DESCRIPTION	REPAIR TYPE	REFERENCE
1	65334G02	BATTERY CAP ASSEMBLY	FIELD	Page 12
2	42855P16	THREADED STUD FOR LASER SAFETY COVERS	FIELD	Page 57
3	42855P17	THREADED STUD - STOP FOR LASER SAFETY VISOR	FIELD	Page 57
4	65325G01	XE UTILITY TOOL	FIELD	Page 9
5	F3398	POUCH - WX KIT WITH LENS PEN	FIELD	Page 13
6	F1968	MICROFIBER LENS CLEANING CLOTH	FIELD	Page 13
7	F2509	POUCH - NONBERRY*	FIELD	Page 9
8	F2481	BLUE LOCKOUT SCREW	FIELD	Page 11
9	F3014	BATTERY COMPARTMENT O-RING	FIELD	Page 54
10	65335G16-12	ERGOCTO XE THREE BUTTON KEYPAD, SINGLE, 12" CABLE, WX CONNECTOR	FIELD	Page 9
11	65341G02	ASSEMBLY COVER / VISOR / LASER SAFETY	FIELD	Page 9
12	65341G03	ASSEMBLY COVER / LASER SAFETY / RUBBER	FIELD	Page 9
13	65334G04	BATTERY CAP TETHER LINE WITH CRIMP SLEEVES - BLACK	ARMORER	Page 54
14	68405G01	ERGOCTO XE - PICATINNY RAIL ADAPTER	FIELD	Page 9
15	65335G13	WILCOX JUNCTION BOX - BLANK	FIELD	Page 9

*For non-standard pouches, please specify when ordering.

Table C-2 Optional Parts List

PART NO	DESCRIPTION
65336G31	ERGOCTO XE THREE BUTTON KEYPAD, DUAL, 12" CABLE, WX CONNECTOR

"Our Customer's Life Depends on It"™



Manufactured by:

WILCOX®

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Newington, NH 03801 USA**

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Fax: +1 603-431-1221



RAID Xe HP



RAID Xe LP

Visit us at: WWW.WILCOXIND.COM

**For troubleshooting service questions,
contact Wilcox between 8am and 5pm EST.**