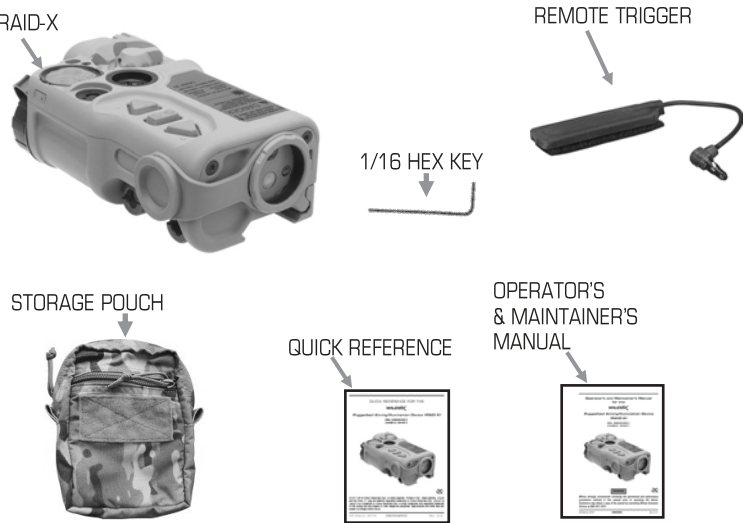


MAIN PARTS IDENTIFICATION



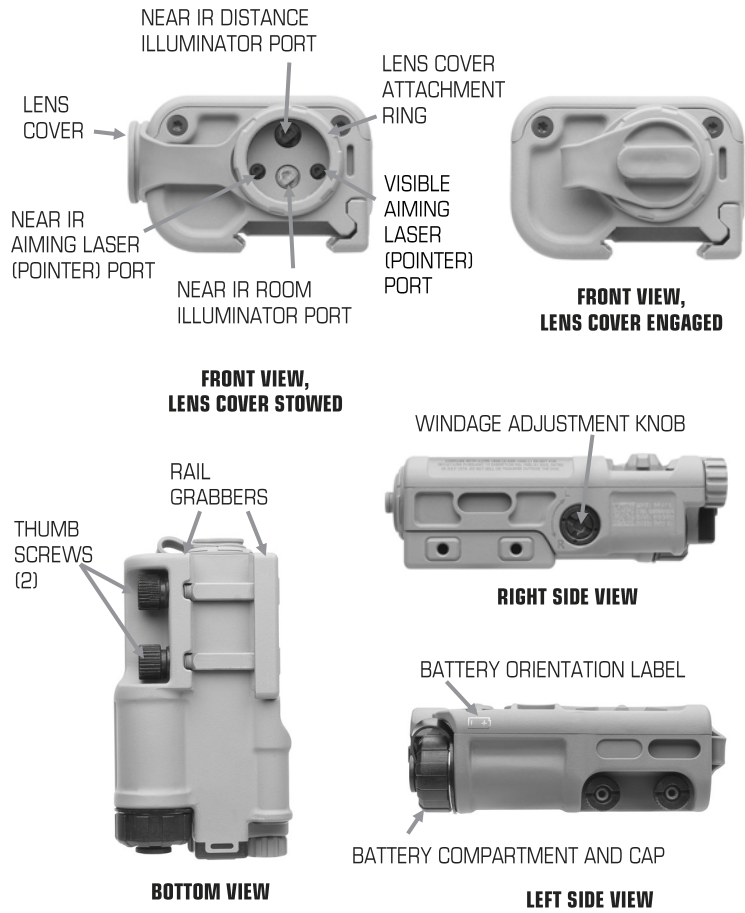
CLEANING KIT



ANCILLARY PARTS KIT



FEATURE IDENTIFICATION



CARE, MAINTENANCE AND STORAGE

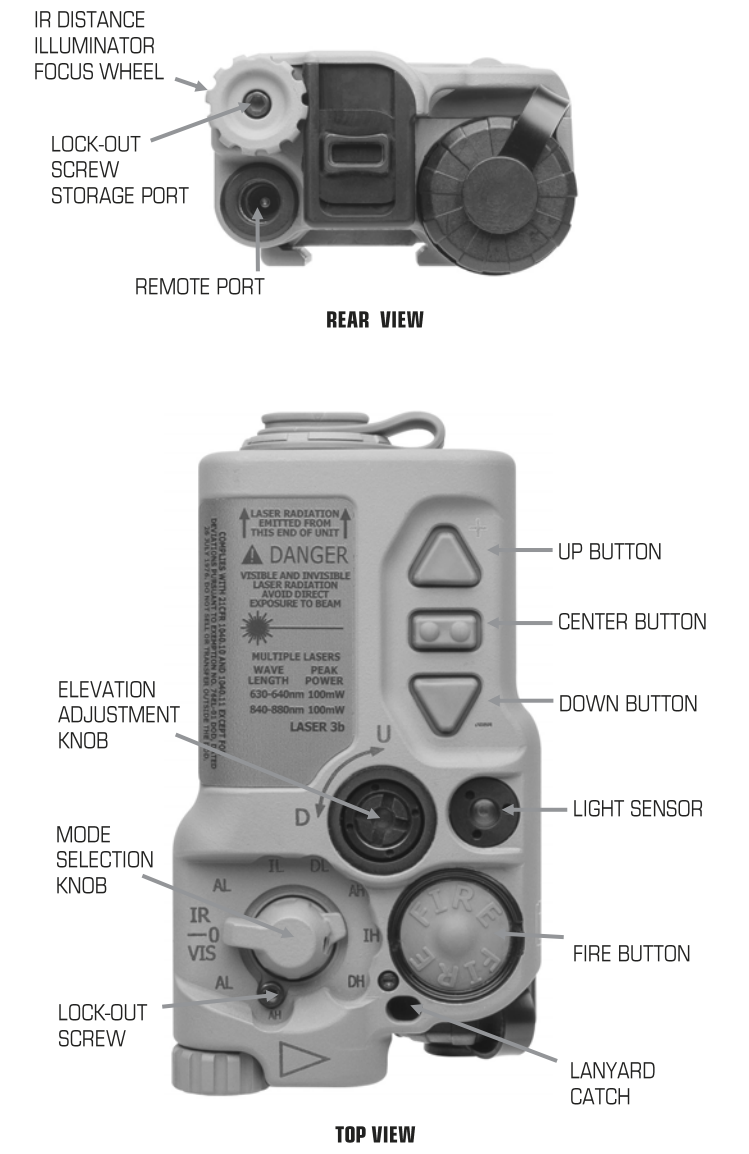
Dismount the *RAID-X* from the primary weapon and inspect the unit for dirt, rust, and corrosion. If the display or lenses are broken or cloudy, notify unit armorer.

Ensure that the Battery Compartment Cap and o-ring are tightly sealed and that the area is free of sand and dirt particles. If a Battery Compartment Cap o-ring becomes cut, nicked or torn, notify unit armorer.

Dirt and other residue, like exposure to salt water, may impede the mechanical operation of the *RAID-X*. Flush exterior with water to remove any debris. Blow any residual dirt or dust free from the lenses, then wipe with a clean Lens Cloth, provided. Do not use the brush provided for cleaning optic glass and laser port lenses. Using the brush, remove dirt and debris from the mounting rails and controls.

After flushing and cleaning with water to remove debris, if further lens cleaning is necessary, use the clean Lens Cloth provided with a small amount of Isopropyl (Rubbing) Alcohol.

Always keep the Lens Cover, Water Resistance Plug and Battery Cap fully installed when not in use to prevent ingress of foreign debris, to protect the port from corrosion, and to prevent scratching of the lenses.



orst Case Laser Safety Calculations									
VIS Aim		IR Aim		IR Illuminator					
635		850		860		WaveLength (nm)		Class	
2	38	1	38	1	38	Power (m gWV)		Divergence (mrad)	
5	15	<0.7		35		<0.7		14	
55	126	0	155	0	155	NOHD (m)			

STORAGE

When storing or transporting the *RAID-X*, remove the batteries and store separately.

Manufactured by:

Wilcox Industries, Corp.  
One Wilcox Way  
Newington, NH 03801-7816  
Phone: 888-8WILCOX  
603-431-1331  
Fax: 603-431-1221

WWW.WILCOXIND.COM

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

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Lithium Batteries can rupture and explode if exposed to fire, heat, electrical charge, or damage to the battery. Follow proper battery storage and maintenance procedures for handling of lithium batteries.

The product user must review the operational and maintenance procedures outlined in this manual prior to operating the device. Customers may obtain a copy of the manual by contacting Wilcox Customer Service at 603-431-1331.

WARNINGS, CAUTIONS AND NOTES

QUICK REFERENCE FOR THE

Ruggedized Aiming/Illumination Device

**RAID-X**

PNs:  
65300G02 - Green Laser  
65300G03 - Red Laser  
(NSN: 1240-01-687-2256)

CAGEC: 004F1

**WARNING**

You are required to thoroughly read all instructions and product safety information in the RAID-X Operator'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 by contacting Wilcox Customer Service at 603-431-1331.

This manual and product contain 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.



MODE SELECTION OPTIONS

Knob Position	OLED Display	Lockout Available	Mode / Function Description
OFF		NO	RAID-X Power Off
AL	AL I	NO	Low Power IR Aiming Laser (Pointer)
IL	IL I	NO	Low Power IR Short or Long Range Illuminator*
DL	DL I	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 Distance Illuminator
AH	AH V	YES	High Power Visible Aiming Laser (Pointer)
AL	AL V	NO	Low Power Visible Aiming Laser (Pointer)

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

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	Short, Long	Short
Remote	Reserved for Future Use		
Test	Perform a Built In Test	—	—
Defit	Set Factory Defaults	Reset, No Rst	No Rst
Shots	Display the Shot Counter and Shot Configuration Menu	GasImp, Piston	GasImp
Events	Display the Event Log	—	—
About	Display Version Information and Battery %	—	—

PUSH BUTTON OPERATION

Mode Selection Switch Positions	Fire Button Operation *	Up Button Operation **	Center Button Operation ***	Down Button Operation **
AL (IR or Visible)	Low Power Aiming Laser On/Off	In Adjust Mode, increases Aiming Laser Power one step.	Enter/Exit Adjust Mode	In Adjust Mode, decreases Aiming Laser power by one step.
IL	Low Power Illuminator On/Off	In Adjust Mode, increases Illuminator power by one step.	Enter/Exit Adjust Mode	In Adjust Mode, decreases Illuminator power by one step.
DL	Both Low Power Aiming Laser and Illuminator On/Off	In Adjust Mode, increases Short Range Illuminator or Aiming Laser power by one step.	Enter/Exit Adjust Mode for Pointer or Illuminator	In Adjust Mode, decreases Illuminator or Aiming Laser power by one step.
AH (IR or Visible)	High Power Aiming Laser On/Off	In Adjust Mode, increases Aiming Laser power by one step.	Enter/Exit Adjust Mode	In Adjust Mode, decreases Aiming Laser power by one step.
IH	High Power Long Range Illuminator On/Off	In Adjust Mode, increases Illuminator Power by one step.	Enter/Exit Adjust Mode	In Adjust Mode, decreases Illuminator Power by one step.
DH	Both High Power Aiming Laser and Long Range Illuminator On/Off	In Adjust Mode, increases Illuminator or Aiming Laser power by one step.	Enter/Exit Adjust Mode for Pointer or Illuminator	In Adjust Mode, decreases Illuminator or Aiming Laser power by 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 press of the Fire Button.

\*\* Pressing the Up and Down Buttons simultaneously accesses the RAID-X 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 Illuminator.

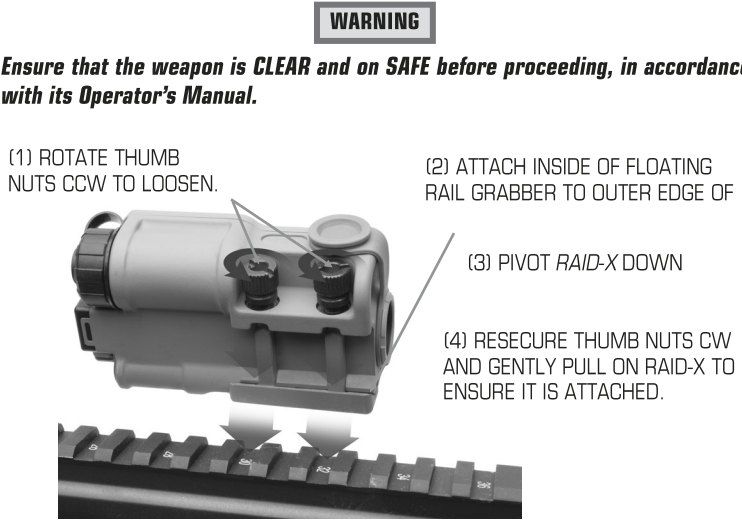
REMOTE SWITCH OPTIONS

Button	Description
L	Activates the <u>SELECTED LASER</u> .

OLED DISPLAY SHROUD OPERATION



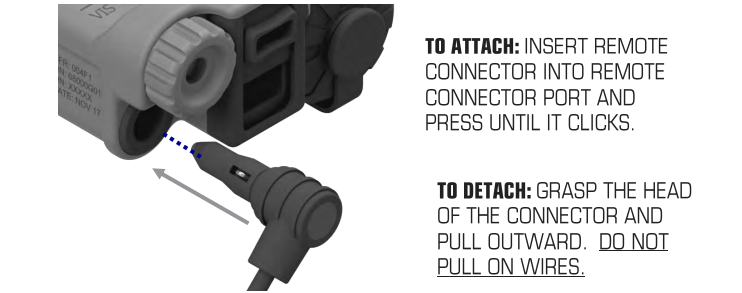
MOUNTING THE RAID-X TO A WEAPON



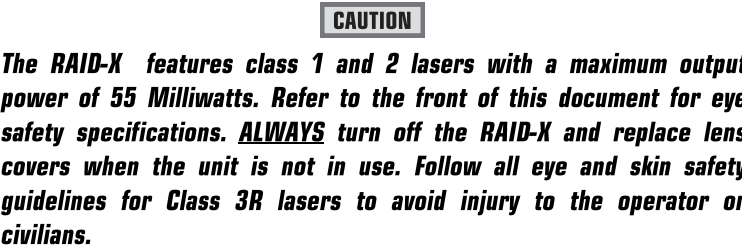
DISMOUNTING THE RAID-X FROM A WEAPON

Carefully grasp the RAID-X then unthread the mounting nuts CCW to allow the locking plate to slide, using caution not to release the nuts from the screw. Rotate the RAID-X away from the rail.

ATTACHING THE WIRED REMOTE



ACTIVATING THE LASER



The RAID-X provides momentary ON/OFF laser control by pressing the FIRE Button on the RAID-X system or the button on the remote. When the button is released, the laser will deactivate to prevent accidental exposure. All buttons on the Remote act similar to the FIRE button on the RAID-X.

ADJUSTING LASER POWER WHILE IN AN ACTIVE LASER MODE

To adjust laser brightness while any laser is active, press the Center Button to enter the laser power adjustment mode then use the Up and Down buttons to adjust the pointer laser power output. When in a dual mode, press the Center Button again to adjust the illuminator. Upon exiting power adjustment, laser powers are saved and will persist through power cycling of the RAID-X.

A total of 30 steps are available for each laser, while the room illuminator supports 5 steps. Low power laser modes support steps 1 through 5 with 5 being the calibrated power. High power modes support steps 1 through 30, with 25 being the default calibrated power. Steps 26-30 will turn the laser powers higher at the operator's discretion.

SETTING LASER IDENTIFICATION PATTERNS

- Step 1.)** Press the Up and Down Buttons simultaneously to access the Function Menu.
- Step 2.)** Press the Up or Down Button until "Blink" is highlighted, then press the Center Button to select.
- Step 3.)** Press the Up or Down Button until the desired option is highlighted, then press the Center Button to select.

OPTION	DESCRIPTION
ID:OFF (DEFAULT)	No Blinking
ID: 1	Fast Blink Rate
ID: 2	Medium Blink Rate
ID: 3	Slow Blink Rate
ID: 4	Long On, Short Off
ID: 5	Long On, Short On
ID: 6	Long On, Medium On

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

SETTING DISPLAY BRIGHTNESS

- Step 1.)** Press the Up and Down Buttons simultaneously to access the Function Menu. The first highlighted function menu option (i.e., "Bright") appears on the display. Press the Center Button to enter the "Bright" Menu.
- Step 2.)** Press the Up or Down Button until the desired option is highlighted, then press the Center Button to select.

OPTION	DESCRIPTION
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.)** Press the Up and Down Buttons simultaneously to exit this Function Menu.

INSTALLING AND REMOVING THE BATTERIES



BATTERY LEVEL INDICATORS

Indicator	Description
	Low Battery (Less than 20%)
	Full Battery

RAID-X ESTIMATED RUN TIME (BY AMBIENT TEMP)

TOTAL ESTIMATED RUN TIME	
TEMPERATURE	ESTIMATED RUN TIME *
-20°C (-4°F)	4 Hours
-10°C (14°F)	4 Hours, 40 Minutes
0°C (32°F)	5 Hours, 30 Minutes
10°C (50°F)	6 Hours, 30 Minutes
20°C (68°F)	7 Hours
30°C (86°F)	7 Hours, 20 Minutes
40°C (104°F)	7 Hours, 30 Minutes
50°C (122°F)	7 Hours, 45 Minutes
60°C (140°F)	8 Hours

RAID-X ESTIMATED REMAINING LIFE (BY AMBIENT TEMP)

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 higher operational run times when operating in other modes.