

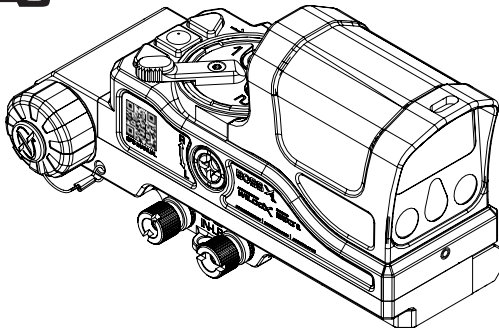
QUICK REFERENCE GUIDE
FOR THE

WILCOX[®]
BOSS X_e
TM

High Power Fire Control System

BTAC[®]

ERGOCTO[®] X_e



CAGE: 004F1

This manual and 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 written approval from the U.S. Department of State.

SAFETY WARNINGS, CAUTIONS, AND NOTES

▲ WARNING ▲

- You are required to thoroughly read all instructions and product safety information in the *BOSS 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 damage resulting from improper use and/or maintenance. Customers may obtain a copy of the Manual by scanning the QR code on the product with a cell phone.
- Make sure the weapon is **CLEAR** and on **SAFE** before mounting or dismounting the *BOSS Xe*.

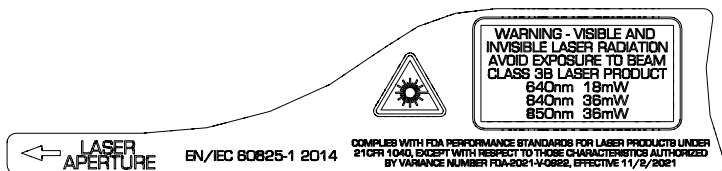
■ CAUTION ■

Do not use harsh abrasives or chemicals such as acetone to clean the *BOSS Xe*. Any questions about appropriate chemicals should be directed to Wilcox Customer Service.

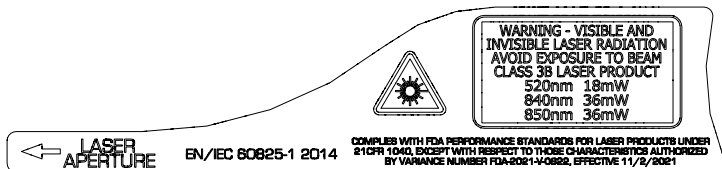
NOTE

- It is recommended that the Visible Laser be used for boresighting the *BOSS Xe* to the target.
- Periodically inspect all O-rings. If an O-ring becomes cut, nicked, or torn, see the Operator's and Maintainer's Manual for replacement instructions.

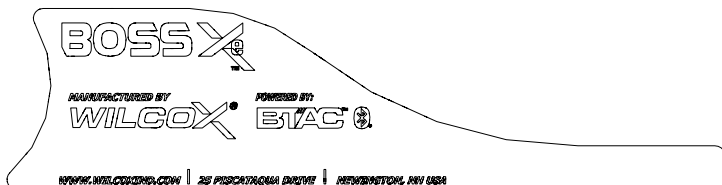
LABELS



G23 Model Laser Safety Label



G24 Model Laser Safety Label



BOSS Xe Product Identification Label

PART NUMBER CONFIGURATIONS

PN	LASER POWER, LASER COLOR, CABLE STYLE, POUCH STYLE
64000G23-01-B	High Power; Red, Single, Berry
64000G23-02-B	High Power; Red, Single, Non-Berry
64000G23-03-B	High Power; Red, Dual, Berry
64000G23-04-B	High Power; Red, Dual, Non-Berry
64000G24-01-B	High Power; Green, Single, Berry
64000G24-02-B	High Power; Green, Single, Non-Berry
64000G24-03-B	High Power; Green, Dual, Berry
64000G24-04-B	High Power; Green, Dual, Non-Berry

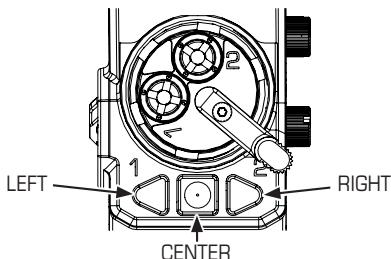
BUTTON AND KEYPAD OPERATIONS (BY MODE)

CONTROL PAD	LEFT BUTTON	CENTER BUTTON	RIGHT BUTTON
ERGOCTO KEYPAD	TOP BUTTON	BOTTOM BUTTON	
Laser Modes: IR DH IR AH VIS AH IR DL IR AL VIS AL	Lasers Active: Decreases laser power of all active lasers. Lasers Inactive: Decreases reticle brightness.***	Turns Operational Mode Laser On/Off. Aiming Lasers are activated in the last selected power level for the power mode position. *, **	Lasers Active: Increases laser power of all active lasers. Lasers Inactive: Increases reticle brightness.***
Reticle Shape Menu: =	Single Press: Decrease reticle brightness. Press and Hold: When reticle brightness is HIGH, jumps to mid-level brightness.	Single Press: Change reticle shape.	Single Press: Increase reticle brightness. Press and Hold: When reticle brightness is LOW, jumps to mid-level brightness.

* Single Press temporarily activates until the button is released, while rapid double press activates until pressed once again to turn off.

** Active lasers will time out after 5 minutes of continuous non-use.

*** Changes are retained when power cycling.



BOSS Xe Control Pad Buttons

MODE SELECTION OPTIONS

Knob Position	Mode / Function Description
DH *	Dual IR Aiming Laser and Long Range IR Illuminator - High Power (Can be locked out with Lockout Screw)
AH *	IR Aiming Laser - High Power (Can be locked out with Lockout Screw)
DL	Dual IR Aiming Laser and IR LED Room Illuminator LED - Low Power
AL	IR Aiming Laser (Low Power)
OFF (IR/VIS)	Mechanical Power Off
==	Reticle Configuration * *
AL	Visible Aiming Laser - Low Power
AH *	Visible Aiming Laser - High Power (Can be locked out with Lockout Screw)

* High power switch positions are locked out to the user when the Mode Selection Switch is placed in a non-high power position and the lockout screw is in place (see description of lockout screw later in this section).

** Selection persists after power cycling.

LED STATUS INDICATOR

Key	Description
Any Laser Active	On Green
Low Battery	On Red
Both Low Battery and Any Laser Active	Blink Red and Green

BORESIGHTING THE BOSS Xe

The boresight procedure is uses a boresight laser to determine the theoretical centerline of the primary weapon bore. The lasers and the Red Dot Sight are co-aligned at the factory and are all adjusted simultaneously. Whenever possible, follow with live fire to verify aiming accuracy.

BORESIGHTING WITH A BORESIGHT LASER

- Step 1.)** Follow the device manufacturer's instructions and use the laser to project a simulated Point of Impact (POI) on a target at the intended distance.
- Step 2.)** After installing a battery and closing the battery cap, turn on the mounted ***BOSS Xe***.
- Step 3.)** Turn the Windage Adjuster until the reticle is centered on the POI.
- Step 4.)** Turn the trajectory switch to activate Elevation Adjuster 1.
- Step 5.)** Turn Elevation Adjuster 1 until the reticle is centered on the POI.
- Step 6.)** When setting the second zero for Position 2 on the trajectory switch, mark your second POI (on the target) in relation to the boresight point of impact.
- Step 7.)** Turn the trajectory switch to activate Elevation Adjuster 2.
- Step 8.)** Turn Elevation Adjuster 2 until the reticle is centered on the target POI (not the laser boresight POI).
- Step 9.)** The ***BOSS Xe*** should now be close to zeroed when firing live ammunition. Adjust as necessary when live firing.

BORESIGHTING THE BOSS Xe (CONTINUED)

BORESIGHTING WITHOUT A BORESIGHT LASER

NOTE

This method is not as accurate as using a boresight laser and will likely require the zeroing process to start at shorter distances.

Center the Elevation Adjusters and Windage Adjuster using the following procedure:

- Step 1.)** Turn the adjuster counterclockwise until it stops.
- Step 2.)** Then turn the adjuster clockwise and count the number of clicks while turning the adjuster.
- Step 3.)** Divide the number of clicks by 2.
- Step 4.)** Turn the adjuster counterclockwise by that number of clicks.
- Step 5.)** Once all three adjusters are centered, the **BOSS Xe** should be close to zeroed when firing live ammunition.

PERFORMING DAYTIME ENGAGEMENT WITH THE BOSS Xe

TO PERFORM DAYTIME ENGAGEMENT WITH THE *BOSS XE*

- Step 1.)** Remove the Laser Aperture Cover.
- Step 2.)** Rotate the Mode Selection Knob to a daytime operational position.
- Step 3.)** Acquire the target using the Sight.
- Step 4.)** To minimize time to acquire the reticle, align the Iron Sights as described in the following section: “To Perform Engagements with the ***BOSS Xe*** Powered Off”, and the reticle will come into view.
- Step 5.)** Fire the weapon.

PERFORMING NIGHTTIME ENGAGEMENT WITH THE BOSS Xe

TO PERFORM NIGHTTIME ENGAGEMENT WITH THE *BOSS XE*

- Step 1.)** Remove the Laser Aperture Cover.
- Step 2.)** Turn the Mode Selection Knob to the appropriate nighttime operational mode position.
- Step 3.)** Push the Center Button to activate the selected laser(s).
- Step 4.)** Align the aiming laser to the desired POI.
- Step 5.)** Fire the weapon.

RETICLE SHAPE SWITCH OPTIONS

OPTION AND ICON	DESCRIPTION	RETICLE SHAPE OPTIONS	DEFAULT
Reticle ()	Select Reticle Shape (Selection persists after power cycling)	Dot and Circle, Dot and Sides, Dot Only, Circle Only  () • ()	Dot and Circle ()

IR AIMING LASER CANT INDICATOR

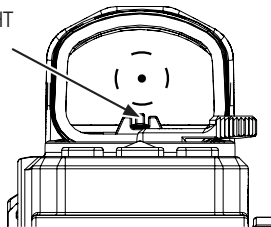
CANT INDICATION		CAUSE
Left Reticle Blinks	(	Unit Canted Left
Right Reticle Blinks	)	Unit Canted Right

PERFORMING ENGAGEMENTS WITH THE BOSS Xe POWERED OFF

TO PERFORM ENGAGEMENTS WITH THE BOSS XE POWERED OFF

- Step 1.)** Remove the Laser Aperture Cover.
- Step 2.)** Look through the window and align the Iron Sights so that the front pin located on the optic window is centered between the two rear pins. Align all pins so that their heights match.
- Step 3.)** While maintaining the alignment of the Iron Sights, as described above, aim so that the top of the center pin is aimed at the target.

FRONT SIGHT
POST



- Step 4.)** Make sure the weapon is as level to the horizon as you can estimate.
- Step 5.)** Fire the weapon.

ACTIVATING THE PANIC ALERT

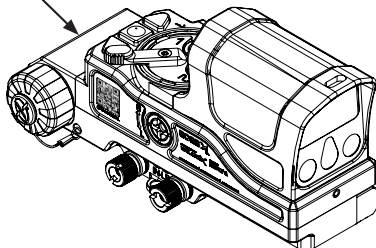
A panic alert functionality is available for the ***BOSS Xe*** System when Bluetooth is turned on and the system is connected to a device supporting the ***BOSS Xe*** protocols.

TO ACTIVATE THE PANIC ALERT

- Step 1.)** Simultaneously push the Up and Down Buttons and hold for roughly three (3) seconds.
- If a Bluetooth device is connected, a Panic Alert message will be sent to it.
 - To repeat the message at roughly two-second intervals, continue to hold the button.

PRODUCT IDENTIFICATION

BOSS Xe



STORAGE POUCH

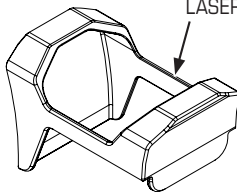
ERGOCTO® 



CONTROL ACTIVATION
KEYPAD, 6.75",
SINGLE CABLE

ANCILLARY KIT

LASER APERTURE COVER



CLEANING KIT



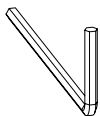
CLEANING BRUSH



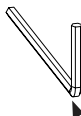
CLEANING CLOTH



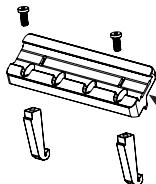
LENS PEN



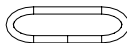
5/64 HEX KEY



.050 HEX KEY

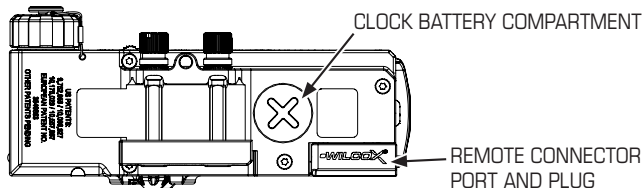
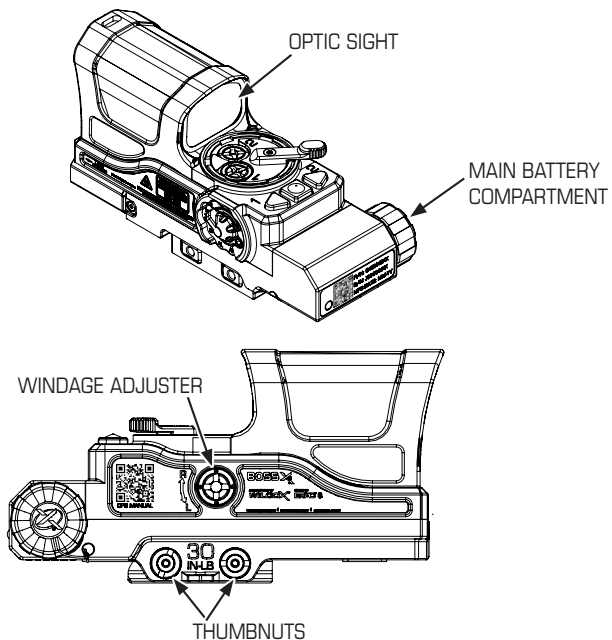


ERGOCTO
RAIL CLAMP

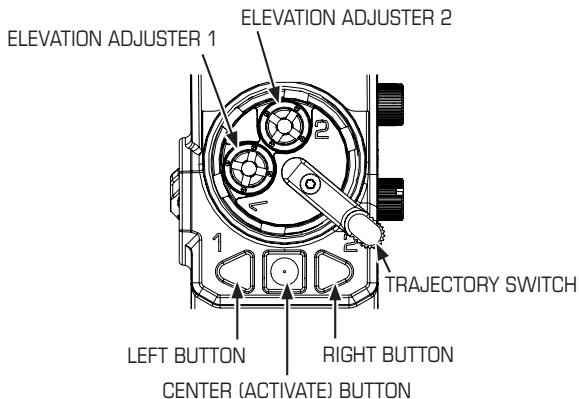
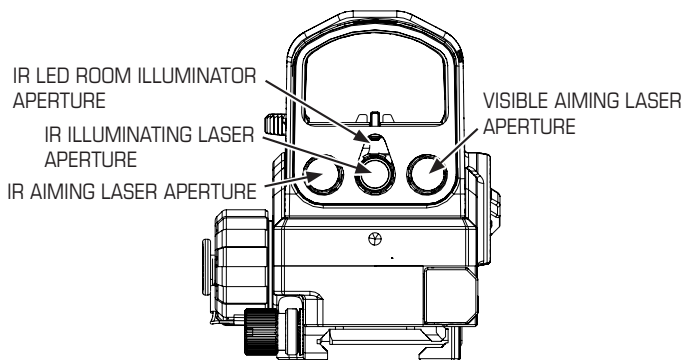


ERGOCTO
KEYPAD O-RING

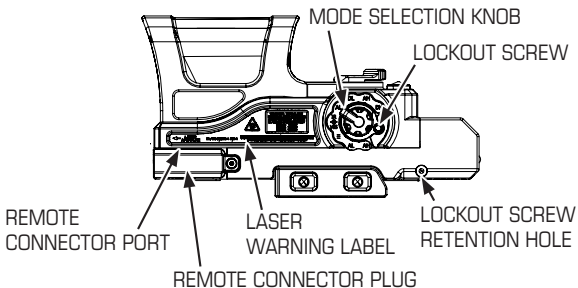
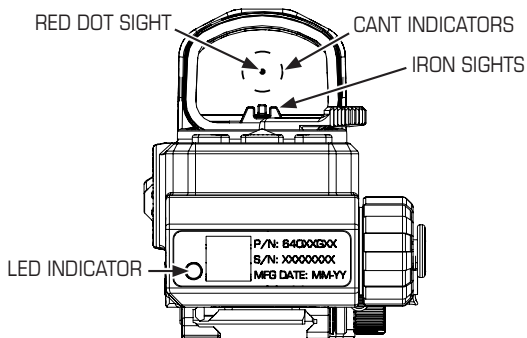
FEATURE IDENTIFICATION



FEATURE IDENTIFICATION (CONTINUED)



FEATURE IDENTIFICATION (CONTINUED)



CARE AND MAINTENANCE

Visually inspect the **BOSS Xe** for dirt, rust, and corrosion. If the display or lenses are broken or cloudy, notify the unit armorer.

Make sure the all O-rings are tightly sealed and that the areas are free of sand and dirt particles. If an O-ring becomes cut, nicked, or torn, see the Operator's and Maintainer's Manual for replacement.

Dirt and other residue, like exposure to salt water, may impede the mechanical operation of the **BOSS Xe**. Lightly flush with fresh water to remove any debris. Blow any residual dirt or dust free from the windows, then wipe with the provided Cleaning Cloth. Do not use a cleaning brush on the windows. Using a soft bristled brush, remove dirt and debris from the mounting rails and controls. This should be done on a regular basis.

STORAGE

Prior to storage, make sure the primary (CR123A) battery is removed and that the lasers are off, then dismount the **BOSS Xe** from the primary weapon and inspect the unit for dirt, rust, and corrosion. Reattach the laser cover.

WARRANTY CLAIM AND SERVICE INFORMATION

For warranty claim or service work, WX must be contacted in the United States at (603) 431-1331 or Customer Service through our online support page at wilcoxind.com/contact to obtain a **Return Merchandise Authorization (RMA)/Service Call Number (SC)** prior to returning your Wilcox product.

After an RMA/SC number is issued, WX will accept your package at the address indicated below, clearly marked with the RMA/SC number:

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

The Wilcox product must be securely packaged to prevent damage, accompanied by your name, address, daytime phone number to contact you, and a description of the problem or work you wish to be performed.

Manufactured by:

WILCOX®

**Wilcox Industries Corp.
One Wilcox Way
Newington, NH 03801 USA**

**Phone: +1 603-431-1331
Fax: +1 603-431-1221**



WWW.WILCOXIND.COM

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

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