

HOGSTER-R THERMAL SIGHT (BE43025 / BE43035)

Instruction manual



Product image

PRODUCT OVERVIEW

HOGSTER R™ VOx 384x288 Thermal Weapon Sights are aimed at the growing feral hog market. The sight is exceptionally lightweight, compact and .308 Cal. tested. HOGSTER R™ comes with a tactical quick release (QR) mount that makes the mounting on any type of rifle, equipped with the Weaver rail, quick and easy. HOGSTER R™ compactness makes it suitable for use as a handheld imager for scouting purposes.

The sight is built with the superb Germanium optics that is paired with an advanced Vanadium Oxide (VOx) thermal core and proprietary electronics. HOGSTER R™ features an intuitive, user-friendly menu to customize settings to the shooter's needs without disengaging from the target, including MIL-Dot and Crosshair reticles along with White, Black and Colored image polarization.

The scope is nitrogen-purged, is water-, dust- and shock-proof and is action ready in any environment or light conditions, including conditions when the environmental obscurants such as smoke, dust, haze, are present. HOGSTER R™ is suitable for use in colder temperatures thanks to the unique built retaining its own heat and keeping the cold sensitive elements warm, virtually making it a great universal choice for any demanding user.

FEATURES

- Superior for hogs and predator control at medium- and long-range distances
- Switchable image polarity: White Hot / Black Hot / Red Hot / Colored Hot
- Picture-in-Picture function — 2X magnified image on the top of the display
- Four reticle patterns with 4 color options for each pattern
- Geometrical rangefinder function to estimate distance to the targets of known size
- Manual control of the image sharpness and screen brightness
- Ability to save up to 4 profiles of zeroing calibration data
- Option to power by rechargeable 3.7V accumulators
- Automatic shutter based thermal VOx core
- Precise lens focusing mechanism
- External power supply via a USB port
- Battery status indicator
- Blind Pixel Repairing
- Standby mode
- Video Out

KIT INCLUDES

HOGSTER R VOx 384x288 Thermal sight
Video-out or external power supply Type C USB cable (15)
Weapon Mount
Two Lithium CR123 batteries
Front lens protective cap
Eye piece rubber eye guard
Soft Carrying Case
Lens Cleaning Cloth
Instructions manual





OPTIONAL ACCESSORIES

Hard Carrying Case

SPECIFICATIONS

Product Modification

HOGSTER-R

Product SKU#	BE43025		BE43035	
Optical Magnification, x	1.4x		2.0x	
Digital Multiplication, X			2X, 3X, 4X	
Objective lens system	25mmF/1.1		35mmF/1.1	
Angular FOV at 1.0x (horizontal × vertical), degree	14.9°×11.2°		10.7°×8°	
Eye relief, mm			40	
Focus range, m			0.5 to infinity	
Diopter Adjustment, D (hand held mode only)			-5: +5	
Reticle W/E adjustment value at a distance of 100m (110yds)			0.8"/2.04cm increment per pxl	
Core resolution, pxl			384×288	
Pixel pitch, μm			17	
Image refresh rate, Hz			50	
Thermal Sensitivity (NETD), mK			< 50	
Display type and resolution, pxl			LCOS 1280×960	
Start-up time, min., sec.			5	
Animal type and size (Length and Height), approx., ft ²				
	L16 & H9	L5 & H2	L16 & H9	L5 & H2
Detection, approx., yds / m	600 / 550	460 / 420	800 / 750	660 / 600
Recognition, approx., yds / m	225 / 200	160 / 145	300 / 275	200 / 185
Dimensions with QR mount, in / mm	7.0"×2.83"×2.36" / 180×72×60		7.68"×2.83"×2.36" / 195×72×60	
Weight, approx., oz / g	16.44 / 466		17.14 / 486	
Power supply standard	3V CR123 (two) or 3.7V rechargeable (two) or 5V Type C USB port			
Estimated battery life, hour	up to 4			
Operating temperature, typical, °F / °C	-14° to +122° / -25° to +50°			
Water intrusion	IP67			
Humidity, %	up to 98%			

ATTENTION!

For the most optimal user experience, Please read this manual thoroughly before operating this device. And keep this manual in a safe place for future reference.

WARNINGS AND CAUTIONS

This device contains highly specialized and sensitive internal electronics. Handle with care. This device contains no operator serviceable components. Contact Bering Optics customer support if you cannot diagnose an issue. Opening the device housing WILL void the warranty.

WARNING Ensure that the device is powered off before installing or removing batteries. Failure to do so could result in the damage sensitive internal electronics.

WARNING Do not mix rechargeable and non-rechargeable CR123 batteries.

CAUTION Do not store the device with the batteries installed.

WARNING Do not disassemble, puncture, recharge, or expose the battery to fire or high temperature. Doing so may result in an explosion and chemical burns. When the device is not in operation for a prolonged period, remove the battery from the device and keep it separately in a cool and dry place.

WARNING Do not operate in a potentially explosive environment, near gasoline fumes or other volatile materials. This is a high voltage electrical device.

WARNING Do not aim this device at the high-intensity sources like the sun, flame etc. This may damage the product.

WARNING Avoid direct sun beams through the eyepiece. It can burn and damage the device detector.

WARNING Use of Thermal vision attachments or riflescopes on a rifle may be restricted or prohibited by national or local regulations. Please consult with local authorities as to whether you are allowed using the night vision attachment on your weapon legally in your area.

WARNING Avoid exposure to water — Even though the device is water resistant, excessive exposure could damage the electronics.

CAUTION Presence of one or several segments (spots, stripes) of a brighter or darker gradation in the field of view is normal. The segments often appear in cases of large temperature difference between the observer's location and surrounding space (for example, viewing from a warm room through an open window).

NOTE Failure to observe warnings, product use instructions and storage recommendations may void the warranty.

PARTS IDENTIFICATION AND OPERATING CONTROLS

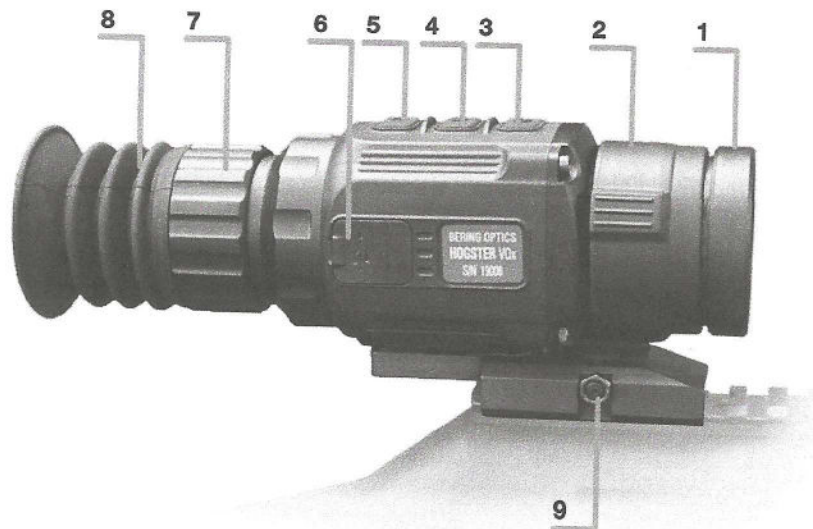


Image 1

- | | |
|---------------------------------------|--|
| 1. Objective Lens | 8. Rubber Eye Guard |
| 2. Objective Lens Focus Ring | 9. Lever Post Retaining Nut |
| 3. POWER ON/OFF button | 10. Battery Compartment Lid |
| 4. "M" (MENU) button | 11. Battery Compartment Cover Thumb Screw |
| 5. "C" (CALIBRATION) button | 12. Quick Release (QR) Weaver Mount |
| 6. USB Interface port (lift the flap) | 13. QR throw lever |
| 7. Eye Piece Diopter Adjustment Ring | 14. Objective Lens Cap (Model BE43025 lens cap shown). |

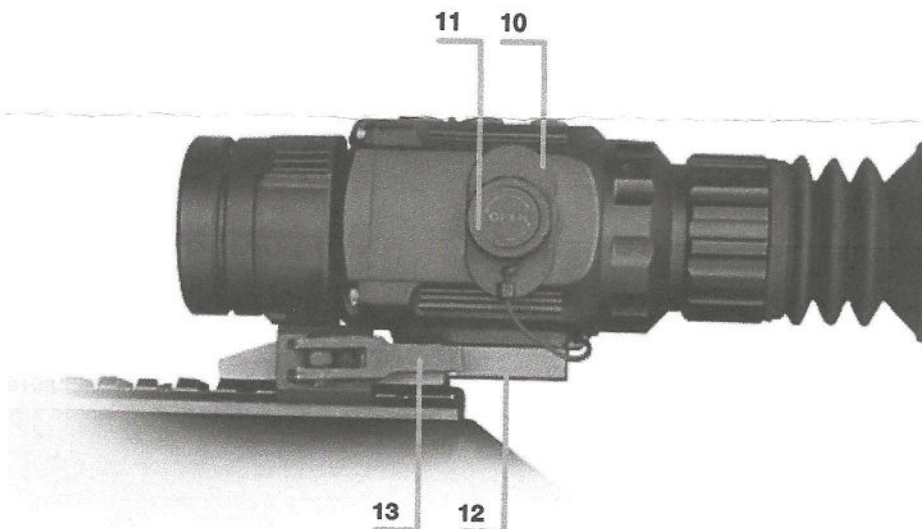



Image 2



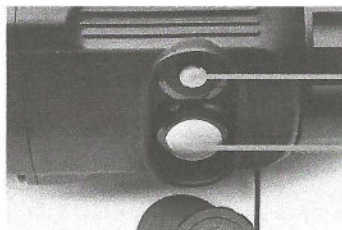
Image 3

BATTERY INSTALLATION

- Open the Battery Compartment Lid (10) by twisting the Battery Compartment Thumb Screw (11) counter clockwise (there is a directional arrow located on the lid). The Battery Compartment Lid will pop up.
- Inspect the battery compartment for any corrosion and/or moisture.
- Insert batteries observing the respective battery polarity diagrams, located inside the battery compartment.
- Replace the Battery Compartment Lid (11) by aligning the lid in the original position and firmly pressing it down. There shall be an audible click.
- The battery capacity indicator is located in the upper right corner of the screen. The icon  with a tiny red line indicates the remaining battery capacity of less than 30 minutes. Change batteries.

ATTENTION: To use rechargeable batteries, select 3.7V battery type in the ADVANCED SETTINGS MENU. Please refer to ADVANCED MENU SETTINGS section for instructions.

NOTE Low battery can cause the viewed image distortion. Pay attention to the low battery indicator and timely replace the batteries.



Positive contact
upward
Negative contact
upward

Image 4

CAUTION: The use of rechargeable 3.7V accumulators, as shown in Image 4, contains a risk of the scope damage due to inconsistent quality and overvoltage capacity. When use rechargeable batteries, check voltage of the fully charged batteries to ensure they give proper voltage not exceeding 3.7V.

WARNING The manufacturer's warranty is void when the scope damage was caused by the improper rechargeable batteries.

WARNINGS

WARNING DANGER OF EXPLOSION Lithium batteries contain sulfur dioxide gas under pressure and should be handled in the following manner:

- Do not attempt to heat, puncture, disassemble, short circuit, recharge, or otherwise tamper with the batteries.
- Turn OFF the device if the battery compartment becomes unusually hot. If possible, wait until the battery has cooled before removing them.
- The batteries have safety vents to prevent an explosion. When they are venting gas, you will smell it (very irritating) or hear the sound of gas escaping. After engagement of the safety vents, the batteries are fairly safe from bursting, but will be hot, therefore must be handled with care.
- Do not carry batteries in pockets containing metal objects such as coins, keys and etc. Metal objects can cause batteries to short circuit and become very hot.
- Do not mix rechargeable and non rechargeable CR123.
- It is not recommended to use mismatched batteries.
- When use rechargeable batteries, check voltage of the fully charged batteries to ensure they give proper voltage not exceeding 3.7V.

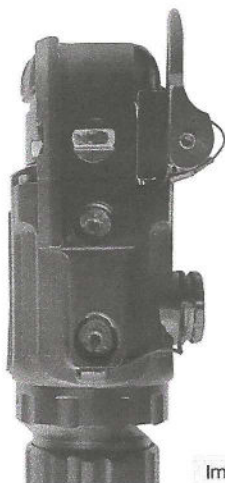
RAIL MOUNTING

The HOGSTER-R is mounted onto the rifle using a single lever Quick Release Weaver mount (12).

To mount the HOGSTER-R Thermal Sight:

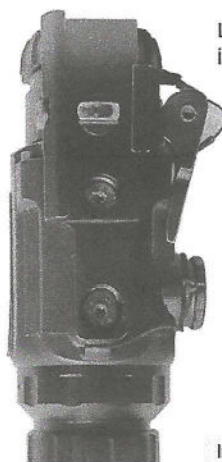
- Pull the lever (13) to the open position, see Image 5. The spring loaded clamp should be extended. Test fit the mount on the rail and attempt to close the lever in the position shown in Image 6. If too tight or loose, remove and adjust accordingly.
- **NOTE:** To adjust the width between the mount base and the clamp, open the lever, manually squeeze the mount clamp towards the closed position. The lever post with the retaining nut (9) will extend out of the mount. Turn the screw to the left or right to adjust and repeat the test fit procedure until mount lever (13) can be completely closed but not loose.
- Once the QR mount (12) has been set up to fit the rail properly, mount the HOGSTER-R for the most comfortable eye relief.

CAUTION Improper installation of after-market mounting hardware can lead to permanent damage and/or affect the units ability to hold zero. If mounting on a "heavy-recoil" rifle, for safety purposes, allow at least .5" or more additional eye relief.



Lever shown
in OPEN position

Image 5



Lever shown
in CLOSED position

Image 6

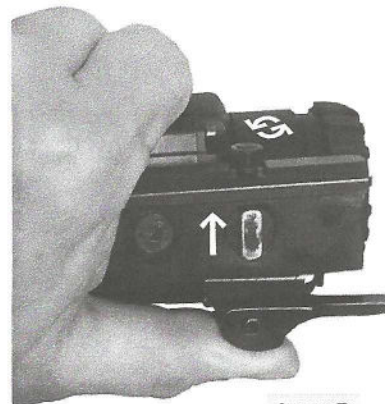


Image 7

TO TURN ON/OFF

- Install the batteries per the BATTERY INSTALLATION instructions. Open the protective front lens cap (14).
- To turn on, press and hold the POWER button (3) for about 4 seconds. The shutter will click a few times followed by the Bering Optics start up logo shown momentarily on the display before showing the thermal image.
- To turn off, press and hold the POWER button (3) for about 3 seconds until the shutdown menu pictogram appears on the display. Select "✓" and short press the "M" button (4) to shutdown the sight. To exit the shutdown menu, short press the "C" button (5) or POWER button (3), select "X" then short press the "M" button (4).
- Use the supplied USB cable to connect the scope to the external power supply source. A connector icon will appear in the upper right corner of the screen, indicating that the scope is powered by an external power source. To turn off, simply unplug the USB cable from the scope USB port (6). Image 8 shows Hogster R connected to the external power supply using the USB cable.

NOTE: When the sight is powered by the external power source via the USB cable, the power supply is automatically switched from the batteries, located inside the battery compartment, to an external power source.

ATTENTION: 3.7V rechargeable batteries, located in the battery compartment, cannot be recharged by connecting the sight to the external power source via the USB connector.

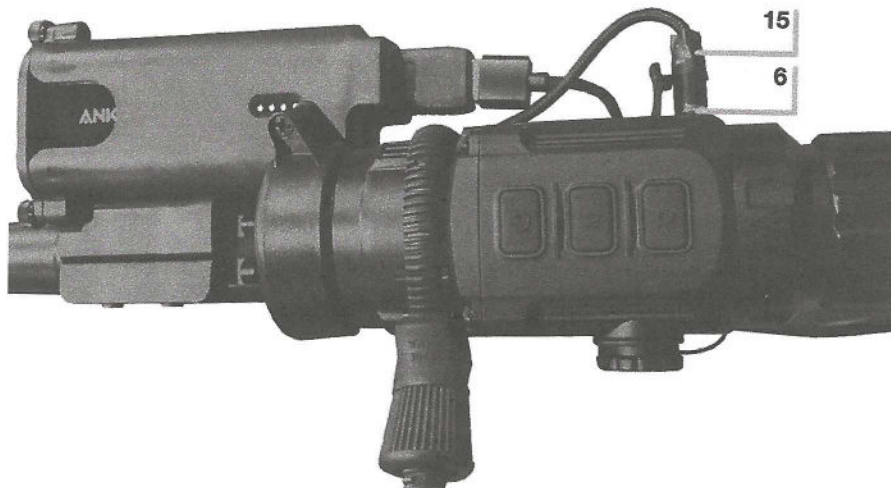


Image 8

FOCUSING

- To adjust the eye piece focus, rotate the Diopter Adjustment Ring (7) of the Eye Piece until the pictograms and reticle displayed on the screen is sharp and clear.
- To adjust the optical focus, rotate the Objective Lens Focus Ring (2) until the observed image is sharp and clear.
- To focus at the object at a different distances, it is sufficient to only adjust the Objective Lens Focus Ring (2).

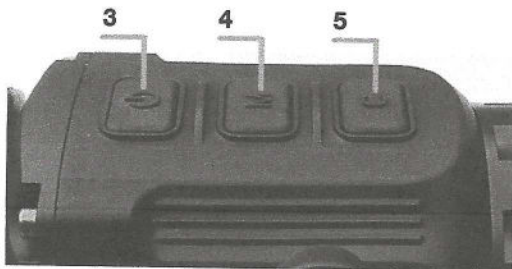
STANDBY MODE

- To engage the standby mode, press and hold for 3 seconds POWER button (3) and "M" button (4). The screen will turn off.
- To exit the standby mode, press and hold the POWER button (3) for 2 seconds or quick press the MENU button (4). The scope will turn back ON, bypassing the start up screen with the logo.

BUTTONS LAYOUT AND FUNCTIONALITY

The HOGSTER-R buttons operate in 2 ways: Quick Press (Press/Release) and Long Press (Press/Hold for a few seconds).

CAUTION: Do not press device buttons with objects or using excessive force. This could damage the rubber coating as well as the button mechanisms. When depressed properly the buttons will give a tactile feedback, which feels like a click.



POWER button (3): button with a power **ON/OFF** pictogram

MENU button (4): button with a letter **M**

CALIBRATION button (5): button with a letter **C**

Image 9

IMAGE ADJUSTMENT MENU










- Quick press the MENU button (4) to enter the IMAGE ADJUSTMENT MENU mode. This menu allows to adjust image polarity, sharpness, brightness, magnification, reticle pattern and its color.
- Quick press the MENU button (4) to cycle through the menu options and exit the menu.
- Quick press the POWER button (3) to cycle through the sub-menu options, located on the top of the screen, and to make a selection. The selection will be highlighted in blue.
- Quick press the CALIBRATION Button (5) to cycle through the sub-menu options, located on the bottom of the screen, and to make a selection. The selection will be highlighted in blue.

ADVANCED MENU SETTINGS

- Long press the MENU button (4) to enter the ADVANCED MENU SETTINGS. Please refer to the Advanced Menu Options chart for the icon identification and additional details on the menu and sub-menu options.
- To scroll between the menu options, use the POWER button (3) to scroll upward, or CALIBRATION button (5) to scroll downward.
- Quick press the MENU button (4) to make a selection or to open a sub-menu. The selection will be highlighted in blue.
- Long press the MENU button (4) to exit the menu.

ADVANCED MENU OPTIONS CHART

Note: When in menu mode, the selected menu option or selected sub-menu option will be highlighted in bright yellow.



	Ultra clear mode ON/OFF Select ON to enhance the image contrast. The option is suitable for a cloudy, rainy or foggy conditions
	Video Output ON/OFF Select ON to transfer analog using the Type-C data cable
	Picture in picture (PIP) option Select ON to engage PIP
	Battery Type 3V / 3.7V Select 3V to use with normal CR123 batteries. Select 3.7V to use with rechargeable CR123 batteries
	To set zeroing profiles for different rifles There are up to 4 profiles that can be preset. Press Menu button (4) to scroll between G1, G2, G3, G4.
	Windage/Elevation adjustment sub-menu Select to make Windage and Elevation adjustments. Check the rifle profile selection prior to making adjustments. Refer below to the Adjustment orientation indicators for additional notes on W/E adjustment sub-menu
	Blind Pixel Correction Select ON to calibrate the blind pixels. Please refer to the BLIND PIXEL CALIBRATION section for additional instructions
	Factory Reset To restore the factory settings, select "√" and short press the "M" button (4) to proceed with the reset. To exit the reset sub-menu, short press the "C" button (5) or POWER button (3), select "X" then short push the "M" button (4).
	Adjustment orientation indicators The indicators are accompanied by the directional arrows when displayed on the screen. To move or adjust horizontally or vertically, switch the direction by quick pressing the MENU button (4). Use POWER (3) and CALIBRATION (5) buttons to navigate in the needed direction.

BLIND PIXEL CALIBRATION

- Engage Pixel Correction menu by turning it ON in the ADVANCED MENU SETTINGS.
- A cursor will appear on the screen along with the adjustment orientation indicator. To move the cursor use POWER (3) and CALIBRATION (5) buttons. Quick press the MENU button (4) to switch between horizontal (right-left) and vertical (up-down) direction to move the cursor.
- After selecting the blind pixel, press POWER (3) and CALIBRATION (5) buttons at the same time to correct the blind pixels. Long press POWER (3) and CALIBRATION (5) buttons again in the same position to cancel the calibrated blind pixel.
- Repeat the above steps to select and correct additional blind pixels.
- To exit the BLIND PIXEL CALIBRATION, long press the MENU button (4).

NOTE: The procedure shall be performed with the Objective Lens Cap closed.

BUTTONS FUNCTIONALITY QUICK REFERENCE CHART

BUTTON	FUNCTIONALITY IN NORMAL OPERATION, IMAGE ADJUSTMENT MENU and GEOMETRICAL RANGEFINDER MODES		FUNCTIONS IN ADVANCED MENU MODE	
	Quick Press	Long Press	Quick Press	Long Press
POWER (3)	Normal Operation Mode: <ul style="list-style-type: none"> • To adjust digital multiplication. Available options are 1X, 2X, 3X, 4X. The selection is displayed in the upper left corner of the screen. • To exit standby mode • To switch between „/“ and „X“ options in the shutdown sub-menu Image Adjustment Menu Mode: <p>To scroll the menu symbols:</p> <ul style="list-style-type: none"> • To switch image polarity • To switch magnification • To switch reticle colors Stadiametric Rangefinder mode: <p>To widen the distance between markers, pixel per click</p>	<p>To open the shutdown sub-menu</p>  <p>To widen the distance between markers, rapid movement</p>	<ul style="list-style-type: none"> • To scroll upward • In zeroing sub-menu, to adjust Windage to the Left, pixel per click • To adjust Elevation Up, pixel per click 	<ul style="list-style-type: none"> • To adjust Windage to the Left, rapid movement 10 pixels per shift • To adjust Elevation Up, rapid movement 10 pixels per shift • To move rapidly in the pixel repair mode
MENU (4)	Normal Operation Mode: <ul style="list-style-type: none"> • To exit the standby mode • To engage Image Adjustment Menu Mode • To scroll between Image Adjustment Menu Mode options: image polarity and sharpness, digital multiplication and brightness, reticle patterns and reticle colors. 	<ul style="list-style-type: none"> • To exit Image Adjustment Menu Mode • To open Advanced Menu settings • To exit Stadiametric Rangefinder mode 	<ul style="list-style-type: none"> • To make selection • To open sub-menu • To exit sub-menu 	<ul style="list-style-type: none"> • To exit from the Advanced Menu Settings
MENU+POWER		To engage standby mode		
MENU + CALIBRATION		To open Stadiametric Rangefinder	To freeze the image during Zeroing process in order to move reticle in to point of impact	
CALIBRATION (5)	Normal Operation Mode: <ul style="list-style-type: none"> • To exit standby mode • To switch between „/“ and „X“ options in the shutdown sub-menu • To manually calibrate the shutter Image Adjustment Menu Mode: <p>To scroll between the menu symbols:</p> <ul style="list-style-type: none"> • To switch image sharpness • To switch image brightness • To switch reticle pattern Stadiametric Rangefinder mode <p>To shorten the distance between the markers, pixel/click</p>	<p>To calibrate the background (Lens cover must be closed)</p>  <p>To shorten the distance between markers, rapid movement</p>	<ul style="list-style-type: none"> • To scroll downward • In zeroing sub-menu, to adjust Windage to the Right, pixel per click • To adjust Elevation Down, pixel per click 	<ul style="list-style-type: none"> • In zeroing sub-menu, to adjust Windage to the Right, rapid movement 10 pixels per shift • In zeroing sub-menu, to adjust Elevation Down, rapid movement 10 pixels per shift • To move rapidly in the pixel repair mode to the Right and Down
POWER + CALIBRATION				<ul style="list-style-type: none"> • To calibrate the blind pixel • To fix calibrated pixel

ZEROING

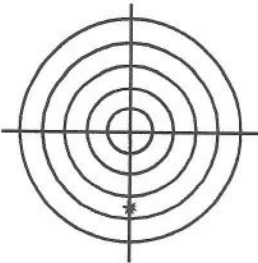
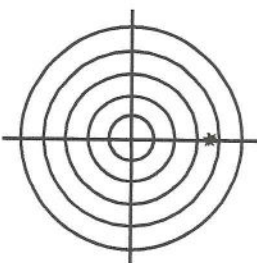
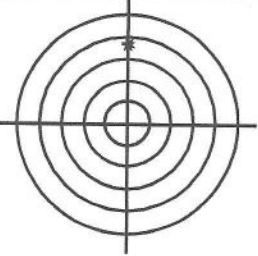
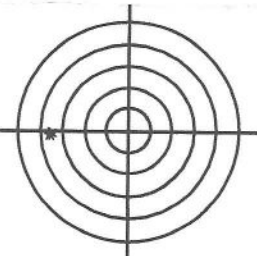
- Zero your scope first at a distance of about 100yards (approx. 90 meters). Sighting in of the scope should be done at operating temperatures and Magnification set at 1.0x (the setting shall be displayed at x1 on the screen).
- Place the rifle on the firing station using sand bags or a special sighting rack to avoid the shooter related inaccuracy. Make sure that the scope is securely mounted on the rifle and is not loose or tilted horizontally or vertically with the respect of the viewed reticle.
- Take 3 or 4 control shots aiming at the same hit point of the target. Examine the target to determine if the aiming point coincides with the group of points of impact. If it does not, perform the WE adjustments.
- Engage Advanced Menu mode, select W/E adjustment sub-menu option and perform necessary adjustments to align the reticle with the respect to the points of impact viewed through the scope
- Check the accuracy of your adjustments by firing another 3 or 4 control shots. Make the adjustments based on the shot grouping.

NOTE: In order to properly zero the thermal device, the target should be heated or have a source of heat behind it. Do not perform zeroing with digital multiplication set at x2, x3, x4.

- To engage the freeze option of the Zeroing sub menu, press the **M** (4) and **C** (5) buttons at the same time for 3 seconds. The image "freezes" and the icon "snowflake" ❄ appears in the upper-left corner of the screen.

NOTE: After the image "freezes", there is no need to keep your rifle on a target.

- To move the reticle toward the point of impact press **P** (3) and **C** (5) buttons. Quick press the **M** (4) button to switch between horizontal (right-left) and vertical (up-down) direction to move the reticle. There will be values of adjustment and adjustment orientation indicators displayed on the screen. When long press **P** (3) or **C** (5) buttons, the reticle moves to the corresponding direction at 10 pixels per shift. The movement distances will be indicated by the cursor on the scales, located on the top and on the left.
- To exit the Zeroing sub-menu, long press the **M** (4) button. After exiting the Advanced menu, the image returns to normal operation.
- Check the accuracy of your adjustments by firing another 3 or 4 control shots. Make the adjustments based on the shot grouping.

Shot groups	Direction of adjustment	Shot groups	Direction of adjustment
	Move the screen down along the "Y" axis		Move the screen right along the "X" axis
	Move the screen up along the "Y" axis		Move the screen left along the "X" axis

If the point of impact cannot be seen on the screen, then measure the horizontal and vertical distances between the center of the target and the point of impact. Then press the **P** (3) or **C** (5) buttons to move the reticle to the measured horizontal and vertical distances. Press the **M** (4) button to change the reticle moving direction.

To save and exit the Zeroing sub menu, long press the **M** (4) button.

NOTE: In the Zeroing sub-menu interface, there is a white dot that represents the original position of the reticle before the W/E adjustment.

IMPORTANT information

For the HOGSTER R 25mm Lens (BE43025), the digit of scale plate changes by 1.34" (3.4cm displayed on the screen) per one-pixel movement.

For the HOGSTER R 35mm Lens (BE43035), the digit of scale plate changes by 0.94" (2.4cm displayed on the screen) per one-pixel movement.

NOTE: After zeroing is finished, the W/E coordinates will be set for all reticle patterns and saved in the profile for x1 magnification.

STORAGE AND MAINTENANCE

- Store and carry the device in the closed bag with the protective objective lens cap on.
- Avoid impacts, moisture and sharp changes of temperature. The optics should be protected against dust, snow, rain and direct sun rays.
- Store the device in dry conditioned premises without battery away from sources of heat, such as heating appliances or central heating.
- Do not store the device at temperatures lower than 10°C (50°F) or higher than 60°C (140°F).
- Remove batteries during extended periods of non-operation to avoid battery leakage.
- Clean optical surfaces with clean lens cloth.
- Wipe the device housing with lightly dampened clean lint-free cloth.

PREVENTIVE MAINTENANCE CHECKS

OPTICS: Always clean the optics with a suitable optical cleaning cloth. Do not use detergents or excessive moisture to clean any part of the Device.

BATTERY / BATTERY COMPARTMENT: Remove the batteries when storing the device for a long period of time.

MOISTURE: The device is waterproof, however; no warranties or guarantees apply to a device that has been submerged in water.

SALT WATER: If the unit is exposed to salt water, wipe it off with a clean damp cloth and dry thoroughly.

CAUTION: The device is a precision electro-optical instrument and must be handled carefully. Do not scratch the external lens surfaces or touch them with your fingers.

#	Interval	Location (Item to Check/Service)	Procedure	Not Fully Mission Capable if:
1.	Before/After	Optical Surfaces	Inspect lens for dirt, fingerprint residue, chips, or cracks. If necessary, clean and dry lens with water and lens tissue.	Scratches or chips hinder the vision when the device turned on, or if cracks are present.
2.	Before/After	External Surfaces	Inspect for cracks or damage. Scratches and gouges are OK if operation is not affected.	Cracked or damaged.
3.	Before/After	Battery Cap, Compartment	Check to make sure battery cap is present and in working condition. Remove battery and inspect for corrosion, moisture or cracks. Ensure o-ring is present and is not dry or cracked. Battery Cap retainer is present and clear of damage.	Cap is missing, corroded or damaged. O-ring is missing or cracked. Battery Cap retainer is missing or damaged.
4.	Before/After	Operating Buttons	Ensure the button functionality.	One or more buttons are non-operational. The button is missing or broken.
5.	Before/After	Viewed Image	Inspect display for operational defects.	Flashing or shading is observed.

TROUBLESHOOTING PROCEDURES

MULFUNCTION	TEST OR INSPECTION	CORRECTIVE ACTION
Device fails to activate	a) Not holding the POWER ON button for sufficient time to start up the device. b) Dead or weak batteries. c) Check for defective, missing or improperly installed batteries. d) Battery cap is loose, no contact.	a) Press and hold POWER ON button for at least 5 seconds. b) Replace batteries. c) Reinstall batteries. d) Check the battery compartment lid.
No visible image	a) Objective lens cap has not been removed. b) Weak batteries.	a) Remove cap. b) Replace batteries.
Device shuts down after being "ON"	a) Weak batteries.	a) Replace batteries.
Device froze off- does not react to any control buttons or power "ON/OFF" switch		a) Remove batteries from the battery compartment. Reinstall batteries to resume operation. b) Contact Bering Optics for service.
Image dimmer than usual	a) Weak batteries.	a) Replace the batteries.
Blurry image	a) Check focus. b) No image correction for a long time.	a) Adjust focus adjustment knob. b) Manually calibrate the shutter by pressing the Calibration button. c) Manually calibrate the shutter by pressing the Calibration button.
Poor image quality	a) Check focus. b) Check for fogging or dirt on lenses. c) No image correction for a long time.	a) Refocus. b) If image quality is still poor, contact Bering Optics for service.
Dark Screen	a) Check screen BRIGHTNESS settings.	a) Adjust the screen Brightness if needed.

Battery compartment is difficult to open.	a) Visually inspect for the presence of an o-ring. b) Check for a damaged battery cap.	a) If O-ring is missing, contact manufacturer for assistance. b) If damaged, return to manufacturer.
Device does not shut OFF		a) Remove batteries from the battery compartment. Reinstall batteries to resume operation. b) Return device to manufacturer if the situation persist.
No analog video output	a) No video out. b) Damaged cable.	a) Make sure the analog video out option is turned "ON" in the ADVANCED MENU SETTINGS. b) Replace data cable.

BERING OPTICS WARRANTY POLICY

Your Bering Optics product is warranted free of defects in workmanship and materials. In the event of a defect under this warranty, we will, repair or replace the product. For night vision products, the image intensifier tube that enables night vision capability is warranted to be free from defects for a period of 1 year for Gen 1, Green Phosphor Gen 2 night vision systems, 2 years for White Phosphor Gen 2+ and ECHO, 3 years for Gen 3, as are other light emitting devices such as IR Illuminators, red dots, and telescopic sight. Additional warranty can be purchased for Gen 3 night vision and thermal systems at a cost of \$95/year up to maximum of 5 years. Prodigy Series Thermal imaging systems are warranted for 1 year with all other thermal systems for 4 years. Light bulbs and batteries are not applicable to this warranty. This warranty does not cover damages caused by misuse or improper handling. Also, this warranty is null and void if modification or maintenance is provided by a third party not authorized by Bering Optics.

Any product returned under this warranty or for repair must be accompanied by the following items:

- Return Authorization Number (RA#) — to obtain RA#, email to info@beringoptics.com. Write RA# on the top of the shipping box.
- A brief letter explaining the problem
- Defective product
- Copy of the original receipt showing when and where the product was purchased
- Contact person's name, address and a daytime phone number.

The product shall be sent in the sturdy package to prevent damage in transit with postage prepaid per the shipping instructions received with the Return Authorization Number (RA#)

STATEMENT OF LIABILITY

Bering Optics will not be liable for any claims, actions, suits, proceeding, costs, expenses, damages or liabilities arising from the use of this product. Operation and use of the product are the sole responsibility of the user. The provision of products sold and services performed by manufacturer to the user shall not be interpreted, construed, or regarded, either expressly or implied, as being for the benefit of creating any obligation toward any third party of legal entity outside manufacturer and the user. The remedies of the purchaser set forth herein are exclusive and the total liability of manufacturer shall not exceed the purchase price of the unit. The user is solely responsible to comply with local and national laws regarding use of this product. In no event shall manufacturer be liable for consequential, incidental, special or other damages.

Bering Optics reserves the right to make alterations or modifications in its products at any time, which in its opinion may improve the performance and efficiency of the product. It shall not be obligated to make such alterations or modifications to products already in service.

EXPORT DISCLAIMER

Export of some the Bering Optics products is strictly prohibited without a valid export license issued by the U.S. Department of State, in accordance with International Traffic in Arms Regulations (ITAR) (22 C.F.R. 120-130) or a valid export license issued by the U.S. Department of Commerce, in accordance with the Export Administration Regulations (EAR) (15 C.F.R. 730-774). U.S. law prohibits the sale, transfer, or export of items to certain restricted parties, destinations, and embargoed countries, as identified on lists maintained by the U.S. Department of State, the U.S. Department of Commerce, and the U.S. Department of Treasury.

It is unlawful and strictly prohibited to export, or attempt to export or otherwise transfer or sell any hardware or technical data or furnish any service to any foreign person, whether abroad or in the United States, for which a license or written approval of the U.S. Government is required, without first obtaining the required license or written approval from the Department of the U.S. Government, having jurisdiction. Diversion contrary to U.S. law is prohibited. It is the responsibility of the Customer to be aware of these lists, which can be found at the U.S. Government websites. By proceeding with any transaction, the Customer certifies that the Customer will not engage in any unauthorized transaction involving the export of the Bering Optics products to any restricted parties or destinations.