SUPER HOGSTER R THERMAL SIGHT (BE43045/ BE43045T)

Instruction manual

Product image

PRODUCT OVERVIEW

The Bering Optics SUPER HOGSTER 2.9–11.6x35 Thermal Weapon Sight is designed to appeal to consumers who desire more features and capabilities. The Superb Germanium optics paired with an advanced 12μm Vanadium Oxide (VOx) uncooled thermal core and proprietary electronics are the heart of this powerful LWIR spectral, all-environment system.

SUPER HOGSTER features an intuitive, user-friendly menu to customize settings to the shooter's needs without disengaging from the target, including BDC and Crosshair reticles along with White, Black, Red, and Colored image polarization.

There are a picture-in-picture and zeroing calibration memory functions, digital compass and inclinometer to further enhance the user experience. The sight is exceptionally lightweight, compact and .308 Cal. tested. It comes with a quick-release (QR) mount that makes the mounting on any type of rifle, equipped with the Picatinny rail, quick and easy. The sight compactness makes it suitable for use as a handheld imager for scouting purposes.

The scope is nitrogen-purged, water-resistant, dust- and shock-proof, and is action-ready in any environment or light conditions. SUPER HOGSTER is suitable for use in colder temperatures thanks to the unique built retaining its 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
- Picture-in-Picture function- 2X multiplied image on a top of the display
- Automatic shatter based thermal VOx core with Auto- or Manual calibration
- Switchable image polarity: White Hot / Black Hot / Red Hot / Colored Hot
- 8 reticle patterns including 3 BDC reticles
- 4 color options for each reticle pattern
- Manual control of the image sharpness and screen brightness
- Ability to save 4 profiles of zeroing calibration data
- Stradiametric Rangefinder function to estimate the distance to the targets of known size
- A precise lens focusing mechanism
- Option to power by rechargeable 3.7V accumulators
- 5V DC external power supply option via a Type C USB port
- Blind Pixel repair tool
- Standby mode
- Digital Compass
- Inclinometer
- Battery status indicator
- Nitrogen purged
- Video out
- 16Gb internal memory
- Built-in internal recording function in .mp4 (video) and .jpeg (CAMERAs) formats
- Wi-Fi capable- allows media recording to the mobile device (Super Hogster App is required)
- Equipped with a Quick-release (QR) mount (BE43045) or Quick-release (QR) tactical lockable mount (BE43045T)

KIT INCLUDES

SUPER HOGSTER VOx 384x288 12μm Thermal Sight
Video-out or external power supply Type C USB cable
QR Weapon Mount
Two Lithium CR123 batteries
Front lens protective cap
Eyepiece rubber eye guard
Soft Carrying Case
Lens Cleaning Cloth
Instructions manual

OPTIONAL ACCESSORIES

35mm Lens Focus Control Collar

SPECIFICATIONS

Optical Magnification, x	2.9
Digital Multiplication	2X or 4X
Objective Lens system	35mm F/1.1
Angular FOV at Optical Magnification (Horizontal x Vertical), degrees	H7.5° x V5.7°
Linear FOV at Optical Magnification @ 100yrds/90m (Horizontal x Vertical), yd/m	H13.1 / 11.7 x V10 / 9
Eye relief, mm	40mm
Focus range, yard	1 to infinity
Diopter Adjustment, D	-5; +5
Reticle W/E adjustment value at a distance of 100m, in/cm	0.67" / 1.71cm increment per pxl
Core resolution, pxl	384x288
Pixel pitch, μm	12
Start-up time, min., sec.	8
Thermal Sensitivity (NETD), mK	<40
Display type and resolution, pxl	LCOS 768x576
Detection Range, yd (Target size: Running Hog L16 & H19), approx., yd/m	1100 / 1000
Dimensions, in/mm	7.7"x2.83"x2.36" / 195x72x60
Weight without mount and batteries, but with eyepiece and lens cap, oz/g	17.14 / 486
Power supply	3V CR123 (two) or 3.7V rechargeable (two) or 5V DC (USB C-type)
Estimated battery life, hours	3.5 from two 3V CR123
Operating temperature, typical, °F	-14°F to +122°F
Water intrusion	IP67
Humidity, %	up to 96%

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. Disassembling the device 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 deice 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.*
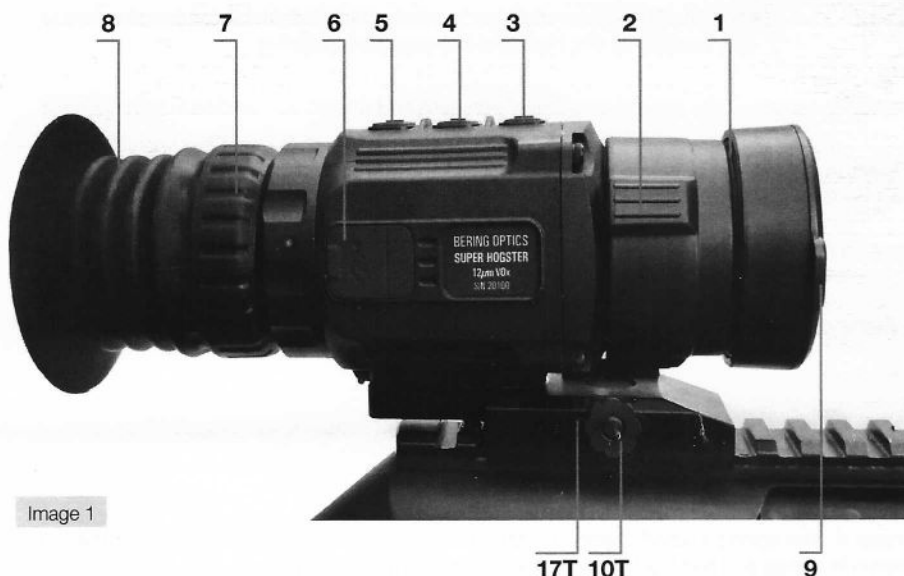
PARTS IDENTIFICATION AND OPERATING CONTROLS

Image 1

1. Objective Lens
2. Objective Lens Focus Ring
3. Power ON/OFF button
4. Menu ("M") button
5. Calibration/Photo/Video button
6. USB C-type Interface port (lift the flap)
7. Eye Piece Diopter Adjustment Ring
8. Rubber Eye Guard
9. Objective Lens Protective Cap
10T. Lever Post Retaining Wheel
11. Battery Compartment Lid
12. Battery Compartment Cover Thumb Screw
13T. Tactical QR mount Picatinny mount
14T. Tactical QR mount Sliding Lock
15T. Tactical QR mount Throw Lever
17T. Lever Post Retaining Wheel Stopper

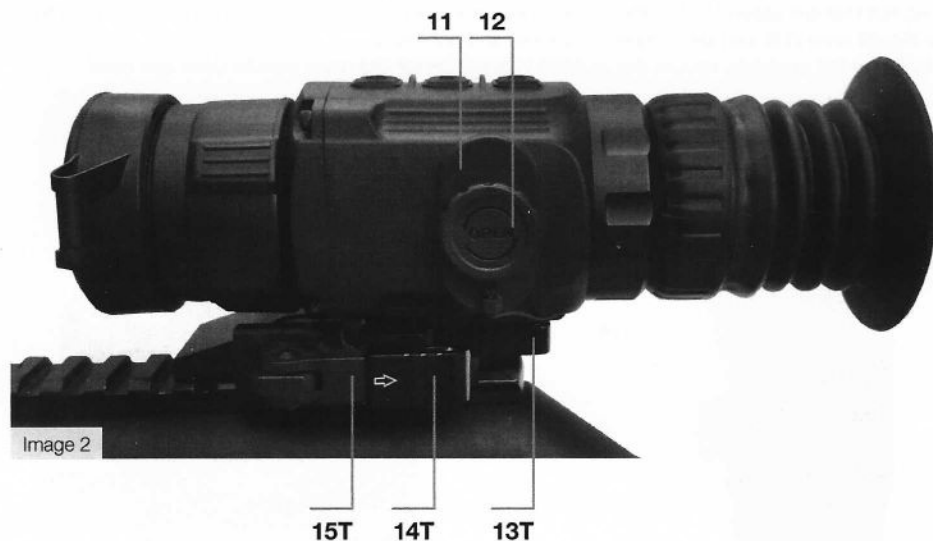Image 2

BATTERY INSTALLATION

• Open the Battery Compartment Lid (11) by twisting the Battery Compartment Thumb Screw (12) counter clockwise (there is a directional arrow located on the lid). The Battery Compartment Lid will pop up.
• Inspect the battery compartment for any debris, 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.

NOTE: *The battery compartment lid has two latches. When close the lid by pressing it down, there shall be two audible clicks. The properly closed lid shall have no gaps, no rubber O-ring shall be visible; it shall be fully sealed. Inspect the battery compartment lid when experiencing an unexplained powering off. If there is a gap, then the lid is not closed properly allowing batteries to push it up. Follow these instructions and properly close the battery compartment lid.*

• 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. Be prepared to change batteries.
ATTENTION: To use rechargeable batteries, select 3.7V battery type in the ADVANVED SETIINGS MENU. Please refer to ADVANCED MENU SETTINGS section for instructions.
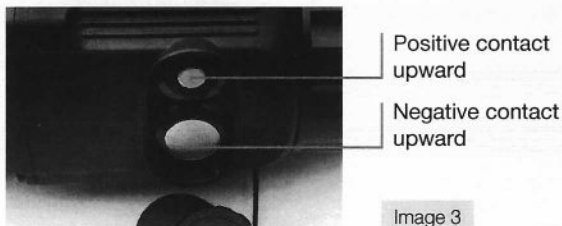
Positive contact upward

Negative contact upward

Image 3

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

CAUTION: The use of rechargeable 3.7V accumulators, as shown in Image 3, contents 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.

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.

MOUNTING

STANDARD QUICK-RELEASE MOUNT (BE43045)

• Pull the lever (15) to the open position, see Image 4. The spring-loaded clamp (18) should be extended. Test fit the mount on the rail and attempt to close the lever in the position shown in Image 5. If too tight or loose, remove and adjust accordingly.
• To adjust the width between the mount base (13) and the clamp (18), open the lever, manually squeeze the mount clamp towards the closed position. The lever post with a retaining nut (16) will extend out of the mount. Rotate the screw clockwise or counter-clockwise to adjust; repeat the test fit procedure until the mount lever (15) can be completely closed but not loose.
• Once the QR mount (13) has been set up to fit the rail properly, mount the SUPER HOGSTER for the most comfortable eye relief.
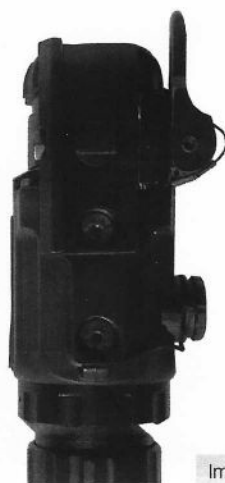

Lever shown in OPEN position

Image 4

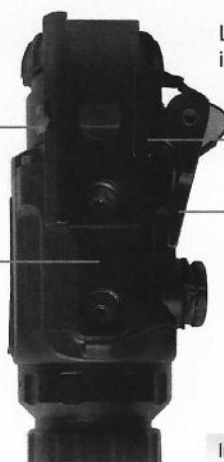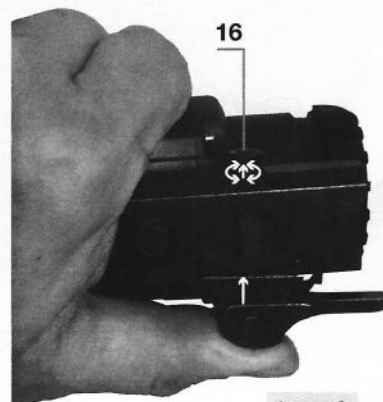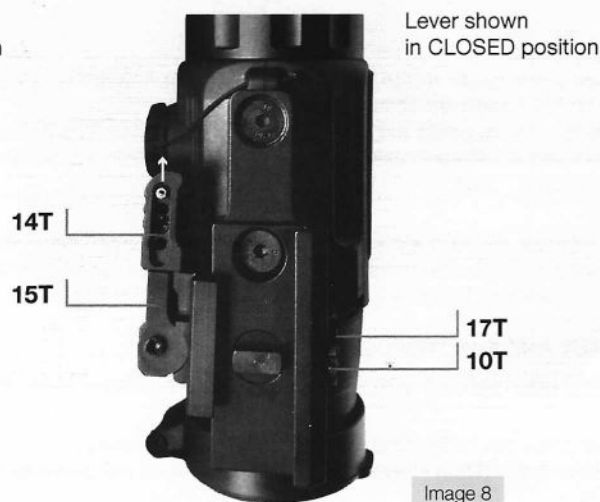Lever shown in CLOSED position

16
18
15
13

Image 5

16

Image 6

TACTICAL LOCKABLE QUICK RELEASE MOUNT (BE43045T)

• To open the Tactical QR Sliding Lock (14T), pull it in the direction of the arrow that is placed on the lock. Then pull the Tactical QR Throw Lever (15T) to the open position, see Image 7. The spring-loaded clamp (18T) should be extended. Test fit the mount on the rail and attempt to close the lever in the position shown in Image 8. If too tight or loose, remove and adjust accordingly.
• To adjust the width between the mount base (13T) and the clamp (18T), open the Tactical QR mount Throw Lever (15T), manually push and hold the Lever Post Retaining Wheel Stopper (17T) and rotate the Lever Post Retaining Wheel (10T) clockwise or counter-clockwise to adjust; repeat the test fit procedure until the Tactical QR mount Throw Lever (15T) can be completely closed, but not loose.
• To close the Tactical QR Sliding Lock (14T) slide it back in the original position, it in the direction, that is opposite of the arrow that is placed on the lock.
• Once the Tactical QR mount (13T) has been set up to fit the rail properly, mount the SUPER HOGSTER for the most comfortable eye relief.

NOTE *If mounting on a "heavy-recoil" rifle, for safety purposes, allow at least .5" or more additional eye relief.*

Lever shown
in OPEN position

Lever shown
in CLOSED position

14T

15T

17T

18T

13T

10T

Image 7

Image 8

CAUTION Improper installation of after-market mounting hardware can lead to permanent damage and/or affect the sight ability to hold zero. Damages to the sight housing that resulted from the original mount removal or from the new mount installation are not covered by the Bering Optics warranty as well as zeroing issues that might stem from that after-market mount.

OPERATION

TO TURN ON/OFF

• Install the batteries per the BATTERY INSTALATION instructions. Open the objective lens protective cap (9).
• To turn ON, press and hold the POWER button (3) for about 3 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 (Image 9) appears on the display. Select "√" using the POWER button (3) or the CALIBRATION button (5), then short press the "M" button (4) to power off the sight. To exit the shutdown menu, select "X" using the POWER button (3) or the CALIBRATION button (5), then quick press the "M" button (4) to confirm the selectin and exit.

Image 9

• Use the USB C-type cable (19) 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, follow the above described procedure or, alternatively, simply unplug the USB cable from the scope USB C-type port (6). Image 10 shows SUPER HOGSTER connected to the external power supply using the USB cable (19).

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.

19

6

Image 10

FOCUSING

• To adjust the eye piece focus, rotate the Eye Piece Diopter Adjustment Ring (7) of the Eye Piece until the pictograms and reticle displayed on the screen are 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 different distances, it is sufficient to only adjust the Objective Lens Focus Ring (2).

STANDBY MODE

• To engage the standby mode, quick press POWER button (3). The screen will turn off.
• To exit the standby mode, quick press either POWER BUTTON (3), OR MENU button (4) or CALIBRATION BUTTON (5). The scope will turn back ON, bypassing the start up screen with the logo.

BUTTONS LAYOUT AND FUNCTIONALITY

The SUPER 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 Pressed properly, the buttons will give a tactile feedback, which feels like a click.*
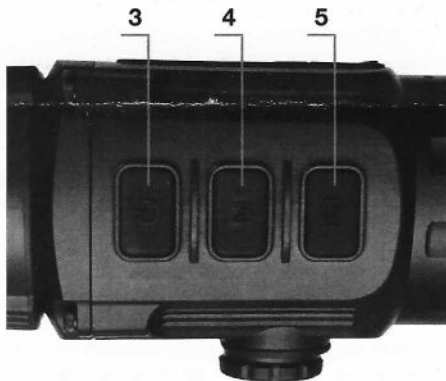

Image 11

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

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

CALIBRATION/PHOTO/VIDEO button (5): button with a pictogram of a camera

IMAGE ADJUSTMENT MENU

• Quick press the MENU button (4) to enter the IMAGE ADUSTMENT MENU mode. This menu allows to adjust image magnification, brightness, polarity, sharpness, to select reticle pattern and its color.
• Quick press the MENU button (4) to cycle through the menu options and exit the menu. The menu options will cycle in the following order, listing adjustment options on the top and bottom of the screen, correspondingly: digital image multiplication and image brightness, polarity and image sharpness, reticle color and reticle patterns, where there are 8 reticle patterns available for selection.
• 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 option, located on the bottom of the screen, and to make a selection. The selection will be highlighted in blue.

IMAGE ADJUSTMENT MENU ICON CHART

Icon	Description
☀	White Hot Polarity Mode
☾	Black Hot Polarity Mode
🔥	Red Hot Polarity Mode
▮▮	Colored Hot Polarity Mode
x1 / x2 / x3 / x4	Image Multiplication settings ranging from native to x4
☀ ☀ ☀ ☀	Display brightness ranging from dimmest to brightest
▲ ▲ ▲ ▲	Image sharpness settings; select the most visually suitable for the given viewing conditions

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.
• Select the last menu icon on page one of the ADVANCED MENU and quick press the MENU button (4) to open the second page of

ADVANCED MENU OPTIONS CHART

Ultra-clear mode ON/OFF
Select ON to enhance the image contrast. The option is suitable for a cloudy, rainy or foggy condition

Wi-Fi
Select ON to turn Wi-Fi on

Auto NUC ON/OFF option
To refresh manually, quick press the "M" MENU (3) and "C" (CALIBRATION) (5) buttons; there will be an audible click sound made by the shutter. When operating the shutter in manual mode, it is recommended to refresh the image from time to time and especially when the image is getting noisy or non-uniformed.

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

Digital compass
Select ON to display the digital compass on the top of the screen

Inclinometer
Select ON to engage the Inclinometer

Battery Type 3V / 3.7V
Select 3V to use with 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.

Select to open Page 2 of the ADVANCED MENU SETTINGS

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

Compass calibration option.
Select ON to calibrate the compass. Please refer to the COMPASS CALIBRATION section for additional instructions

System info

Factory Reset
To restore the factory settings, select "√" and short press the "M" button (4) to proceed with the reset. The device will reload to complete the task. To exit the reset sub-menu, short press the "C" button (5) or POWER button (3), select "X" then short press the "M" button (4).

Select to return to Page 1 of the ADVANCED MENU SETTINGS

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.

Time and date icon.
IMPORTANT: The time is not set in ADVANCED MENU but synced using the Wi-Fi connection. Please refer to SETTING TIME section for instructions

BLIND PIXEL CALIBRATION

• Engage Pixel Correction menu by turning it ON in the second part of 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, long press POWER (3) and CAMERA (5) buttons at the same time to correct the blind pixels. Long press POWER (3) and CAMERA (5) buttons again in the same position to cancel the calibrated blind pixel.
• Repeat the above steps to select and correct additional blind pixels. The number of the calibrated defective pixels is displayed at the bottom of the screen.
• To exit the BLIND PIXEL CALIBRATION, long press the MENU button (4).

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

COMPASS CALIBRATION

• Long press the MENU button (4) to engage the ADVANCED MENU.
• Scroll to the compass calibration option and quick press the MENU button (3). Once the ADVACED MENU options appear on the screen, rotate the device in three axial directions in 30 seconds according to the shown direction to complete the calibration.

RANGEFINDER MODE

• The device is equipped with the built in Stradiametric Rangefinder that allows estimating distances to the object of known size. The given reference targets are: a human figure (1.7m / 5.6 ft size target), a hog (0.9m / 2.9 ft size target) and a hare (0.2m / 0.65 ft size target).
• To engage the Rangefinder Mode, press and hold simultaneously the POWER (3) AND MENU (4) buttons for about 3 seconds.
• To adjust the distance between the markers, short press (moves incrementally) or long press (moves rapidly) the Power button (3) to widen and use "C" (CALIBRATION) button (5) to shorten the distance.
• To turn the Rangefinder Mode OFF, press and hold the "M" (MENU) button (4).

PHOTO AND VIDEO RECORDING

• Quick press the CAMERA button (5) to take a photo. The viewed image will freeze for a moment and a camera icon will pop in the upper right-hand corner of the screen momentarily.
• Long press the CAMERA button (5) to start video recording. The video recording timer will appear in the upper right-hand corner of the screen. Long press the CAMERA button to stop the recording.
NOTE: Quick pressing the CAMERA button (5) while the video recording is running will take a quick snap photo.
• The recorded photos and videos are stored in the internal memory of the device. View and download the recorded media on a personal computer by connecting the device via a USB C-type cable. To view on the mobile device, connect Hogster using Wi-Fi to your mobile device (App required). Please refer to the WI-FI AND APP OPERATION section for additional instructions.

NOTE *The video will not be saved if the scope was abruptly powered off and the video recording was not stopped using the CAMERA button.*

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 the its native magnification of 2.9x (the setting shall be displayed at x1 on the screen).
• Select option from the ADVANCED MENU and select one of 4 rifle profile selection that can be preset in prior to making W/E adjustments. Press Menu button (4) to scroll between G1, G2, G3, G4 and to make a selection. The selection will be highlighted.
• 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 lose 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 W/E adjustments.
• Press and hold the MENU button (3) to engage the ADVANCED MENU. Select ⊕ W/E adjustment sub-menu option and perform necessary adjustments to align the reticle with the respect to the points of impact viewed though 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 move the reticle toward the point of impact press the POWER Button (3) and CALIBRATION button (5). 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 the POWER (3) or CALIBRATION (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 MENU button (4). After exiting the ADVANCED MENU SETTINGS, 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 reticle down along the "Y" axis		Move the reticle right along the "X" axis
	Move the reticle up along the "Y" axis		Move the reticle left along the "X" axis
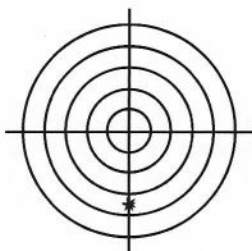
• If the point of impact cannot be seen in the scope field of view, then measure the horizontal and vertical distances between the center of the target and the point of impact. Then press the POWER (3) or CALIBRATION (5) buttons to move the reticle to the measured horizontal and vertical distances. Press the MENU (4) button to change the reticle moving direction.
• To save and exit the Zeroing sub menu, long press the MENU (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
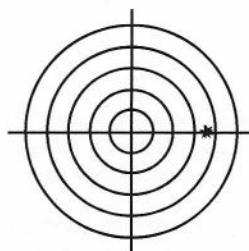
For the SUPER HOGSTER 35mm Lens (BE43045/ BE43045T), the digital value of scale plate changes by 0.673"@110 yds (1.71cm increment per pxl @100m, displayed on the screen) per each one-pixel movement of reticle.

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

TO TURN RETICLE ON/OFF

To turn ON/OFF the reticle, press and hold the POWER (3) and CAMERA (5) buttons simultaneously and quick press the MENU button (4) four times to turn OFF the reticle. Press buttons in the same sequence to turn the reticle ON.
When the reticle is turned OFF, all the menu options related to the reticle will be hidden, including the setting of the reticle color and pattern (in shortcut menu), zeroing defective pixels correction in the ADVANVED SETIINGS menu.

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:** • To activate standby mode • To adjust digital multiplication. 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	To open the shutdown sub-menu	• To scroll upward • In zeroing sub-menu, to adjust Windage to the Left, pixel per click • To adjust Elevation Up, a pixel per click	• To adjust Windage to the Left, rapid movement • To adjust Elevation Up, rapid movement • To move rapidly in the pixel repair mode to the Left and Up
	Image Adjustment Menu Mode: To cycle through the image menu options, located on the top of the screen (to change image polarity, digital multiplication, reticle colors)			
	Stadiametric Rangefinder mode: To widen the distance between markers, a pixel per click	To widen the distance between markers, rapid movement		
MENU (4)	**Normal Operation Mode:** • To exit the standby mode • To engage Image Adjustment Menu Mode • To cycle through Image Adjustment Menu Mode options: digital image multiplication and image brightness, polarity and image sharpness, reticle color and reticle patterns	• To exit Image Adjustment Menu Mode • To open Advanced Menu settings • To exit Stadiametric Rangefinder mode	• To make selection • To open sub-menu • To exit sub-menu	• To exit from the Advanced Menu Settings
MENU+POWER		• To engage Stadiametric Rangefinder • To exit Stadiametric Rangefinder		
MENU + CAMERA	• Shutter manual correction	• Background correction	To freeze the image during Zeroing process in order to move reticle in to bullet hole position	

CALIBRATION / PHOTO / VIDEO (5)				
Normal Operation Mode:				
	• To take a photo • To exit standby mode • To switch between "√" and "X" options in the shutdown sub-menu • To manually calibrate the shutter	• To make video recording • To calibrate the background (Lens cover must be closed)	• To scroll downward • In zeroing sub-menu, to adjust Windage to the Right, a pixel per click • To adjust Elevation Down, a pixel per click	• In zeroing sub-menu, to adjust Windage to the Right, rapid movement • In zeroing sub-menu, to adjust Elevation Down, rapid movement • To move rapidly in the pixel repair mode to the Right and Down
Image Adjustment Menu Mode:				
	To cycle through the image menu options, located on the bottom of the screen (to change image brightness, image sharpness, reticle pattern)			
Stadiametric Rangefinder mode				
	To shorten the distance the markers, a pixel/click	To shorten the distance between markers, rapid movement		
POWER + CAMERA				• To calibrate the blind pixel • To fix calibrated pixel

CONNECTING TO WI-FI

Super Hogster is equipped with Wi-Fi. The Wi-Fi Application enables live streaming the view through the device, take photos and record videos. Download the Bering Optics Super Hogster App from Google Play Store to your mobile device to use this function.
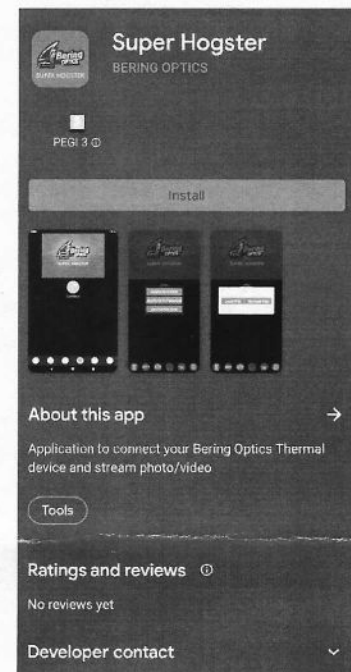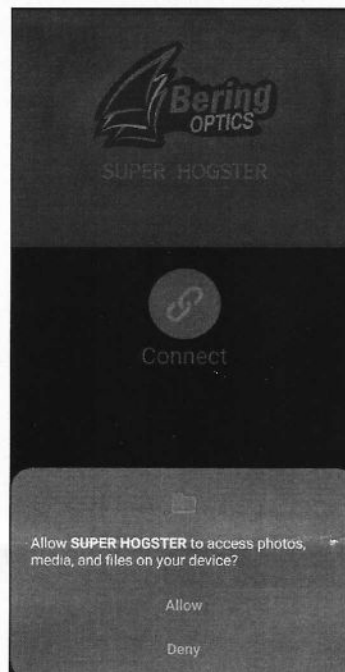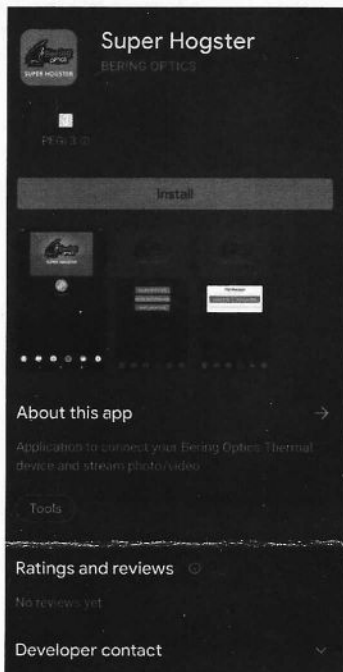
• Long press the MENU button (2) to engage the ADVANCED MENU.
• Scroll to the Wi-Fi menu option and quick press the MENU button (3) to turn the Wi-Fi ON. SUPER HOGSTER shall now be visible to other devices equipped with Wi-Fi.
• Open the Super Hogster App on your mobile device.
• Press Connect button. The paired thermal device will appear in the next "Device Connect" screen.
Select "HOGSTER_XXXXX-XXXXXX" device. There will be a password required when connecting for the first time. Enter 12345678.
The "HOGSTER" device shall now display as "Connected" on the Wi-Fi "Device Connect " screen of the mobile device.
NOTE: If there is no Hogster device appears in the "Device Connect" screen, the Super Hogster is not connected to your mobile device. Repeat the above outlined steps.
• Open again the Super Hogster App; the live stream shall now be on. The consequent connections will not require a password unless the "Forget" option is selected for the given "HOGSTER" device.
• To change the "Device Connect" password, go to Settings menu option in the Super Hogster App, which is the last icon with the wheel pictogram, and select "Modify Wi-Fi Password".

SETTING TIME

• To set time on Super Hogster, go to Settings menu option in the Super Hogster App, and select "synchronize time". Once done, there will be "synchronize time success!" message displayed briefly.

NAVIGATING THE SUPER HOGSTER APP

• Quickly tap on the screen to view the menu options.
• To take photos, press an icon with a camera pictogram.
• To record videos, press an icon with a video camcorder pictogram. In the video recording mode, the video timer in red will appear. There is an icon with a pause sign to pause the recording.
• To view the recorded images and videos, press an icon with the folder pictogram, which is positioned second from the left in the menu option strip.
• IMPORTANT: The media recorded using the Hogster App will be stored in the location designated "Local File", which is the mobile device, used for the recording using the App.
• Media stored in the Hogster internal memory can be viewed and managed on the mobile device by selecting the "Remote File" location. The files will appear organized in folders.
• To view media, select the desired file location: "Local File" or "Remote File". To view a photo or play a video, simply quick press on the file icon.

Press to start/stop video recording
Settings
Press to take photos
Press to view recorded photos and videos
Press to pause the video recording

File Manager
Local File   Remote File

IMC_002743_079.jpg
Delete
Delete All
DownLoad
Download All
share
Cancel

• To open the folder or file sub-menu, press and hold the media file icon. The file managing options include "Delete", "Delete All", "Download", "Download All", "share", "Cancel". For files that are already stored on the mobile device, "Local File": location, "Download" and "Download All" options will be grayed out.

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 damped 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) Inspect the battery compartment lid b) Weak batteries.	a). Refer to the BATTERY INSTALLATON instructions and close the lid properly. There shall be no gaps, no O-ring visible; it shall be fully sealed. If the battery compartment lid malfunctions: latches jammed, not moving (no clicks when close), rubber O-ring is missing, contact Bering Optics for service b). 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 expressively 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.

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