



**NOCTURN
INDUSTRIES**
INNOVATIVE NIGHT VISION SOLUTIONS

ALPHA Mount Operators Manual



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If you have questions or need help with anything listed or not listed in the manual, please contact: cs@nocturnindustries.com

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*Denotes pending status

SAFETY WARNING:

Read and follow all instructions.

Do Not Disassemble the device. Disassembly can cause permanent damage to the device.

This device contains components made of natural rubber Latex which may cause potentially fatal allergic reactions. If you have an allergy to Latex it is important that you do not expose yourself to products that contain it

Warranty Information

All Housings from Nocturn Industries have a lifetime warranty no questions asked. Inquiries into the cause of damage may be subject to voluntary report for development and feedback reasons but are in no way under obligation to be answered. If your device is submitted for a warranty, it may be repaired or replaced at the

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Product Overview

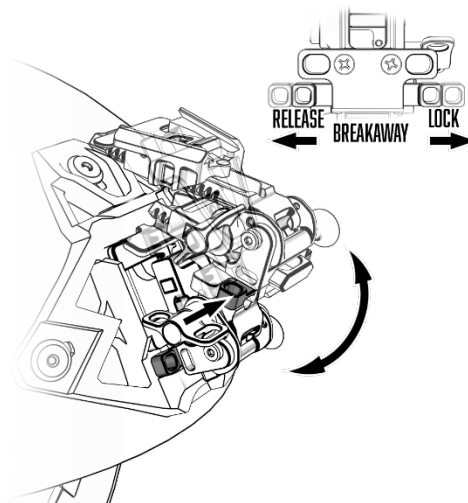
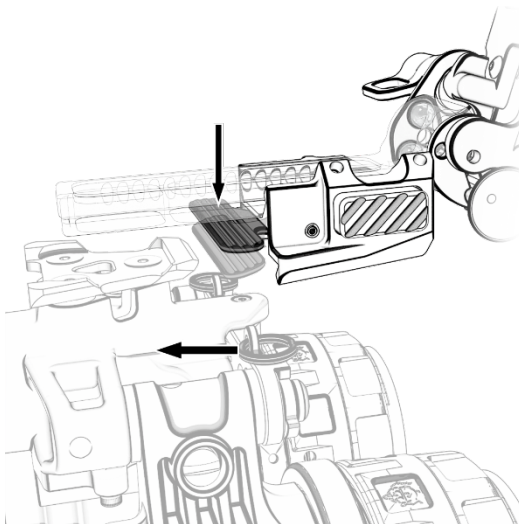
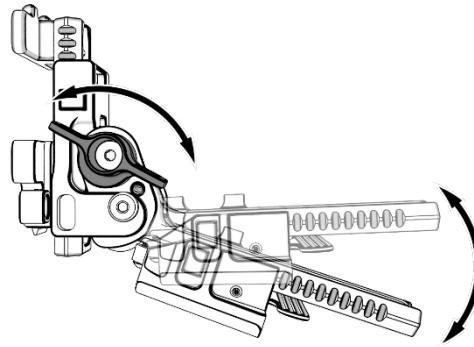
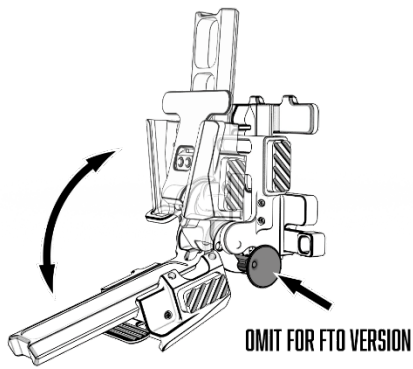
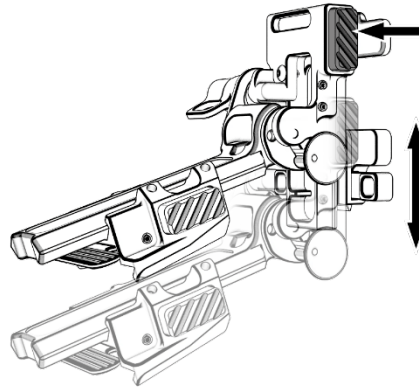
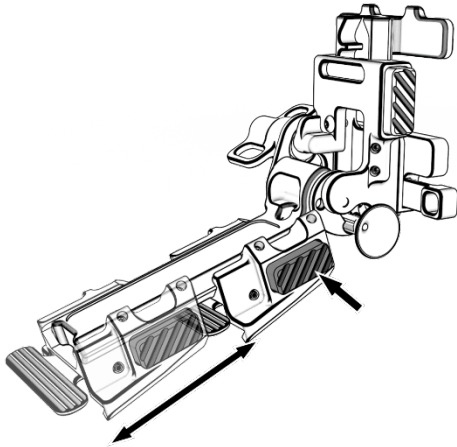
The ALPHA Mount (Adaptable Lightweight Powered Helmet Arm)

The A.L.P.H.A. Mount is a lightweight, adjustable arm designed for night vision devices. It allows the user to adjust the height, tilt, and distance of the device relative to their eyes. The mount features a breakaway bar that can be set to detach the mount from the helmet if a snag occurs, helping to prevent injury to the user and damage to the helmet or device.

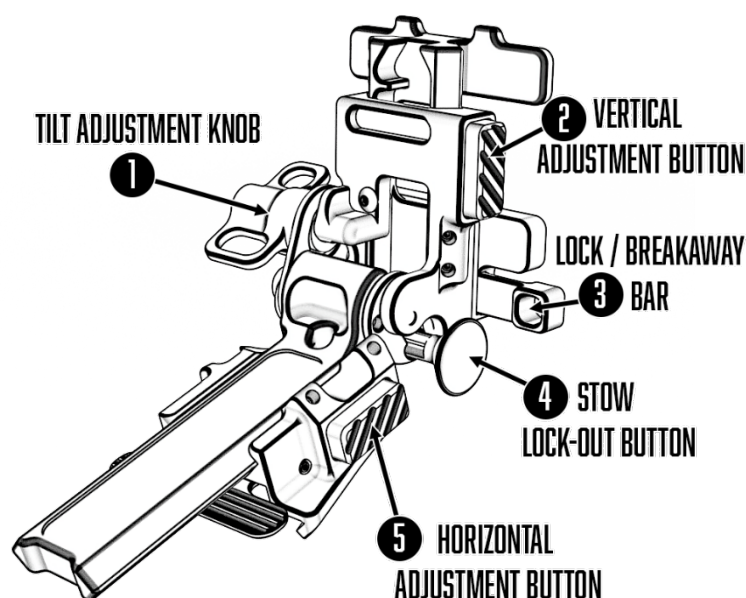
Rubber pads on the rear of the mount can be replaced as needed to achieve the desired tension for the shroud and helmet in use. A ball detent at the arm's pivot point reduces the wobble typically experienced when the mount is in the active position. The mount also includes provisions for supplying power through the unit, although this feature is not yet available.

The arm is available in different variants, each with a unique lowering mechanism: one uses a dedicated force-to-overcome system, while the other incorporates a button lock-out followed by force-to-overcome.

Quick Reference



Diagram



1. Tilt Adjustment Knob – The tilt adjustment knob on the ALPHA mount is a small dial located on the right side or top of the mount. It allows users to precisely tilt the night vision device up or down—typically within a 10–15° range—to align with their line of sight. This adjustment ensures optimal viewing comfort and clarity during operation.

2. Vertical Adjustment Button– The Vertical Adjustment button on the ALPHA mount allows the user to raise or lower the position of the night vision device to achieve optimal eye alignment. This ensures a comfortable and clear view through the eyepiece, reducing strain during extended use. Precise vertical positioning enhances both performance and user experience in low-light environments.

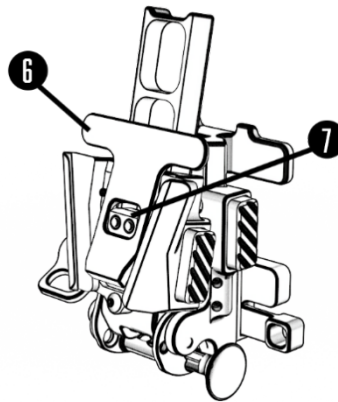
3. Lock / Breakaway Bar – The Lock / Breakaway Bar on the ALPHA mount allows the user to attach the mount to the helmet by pushing it to the right. The middle position on the bar enables the Breakaway function on the mount. Allowing the mount to disengage from the shroud on the helmet if enough force is applied. This makes it so the mount or user does not suffer damage or injury if a snag were to occur.

4. Stow Lock-Out Button – The Stow Lock-Out Button allows users to move the mount arm either down into the active position or up into the stow position. There are two variants of this feature. In the first, the mount does not have a button; instead, the arm is articulated using a force-to-overcome mechanism—meaning the user simply applies force in the desired direction to move the arm. In the second

version, a button must be depressed before applying force to articulate the arm. Both versions use a force-to-overcome system, but the button-equipped variant includes a lock-out feature to prevent accidental movement.

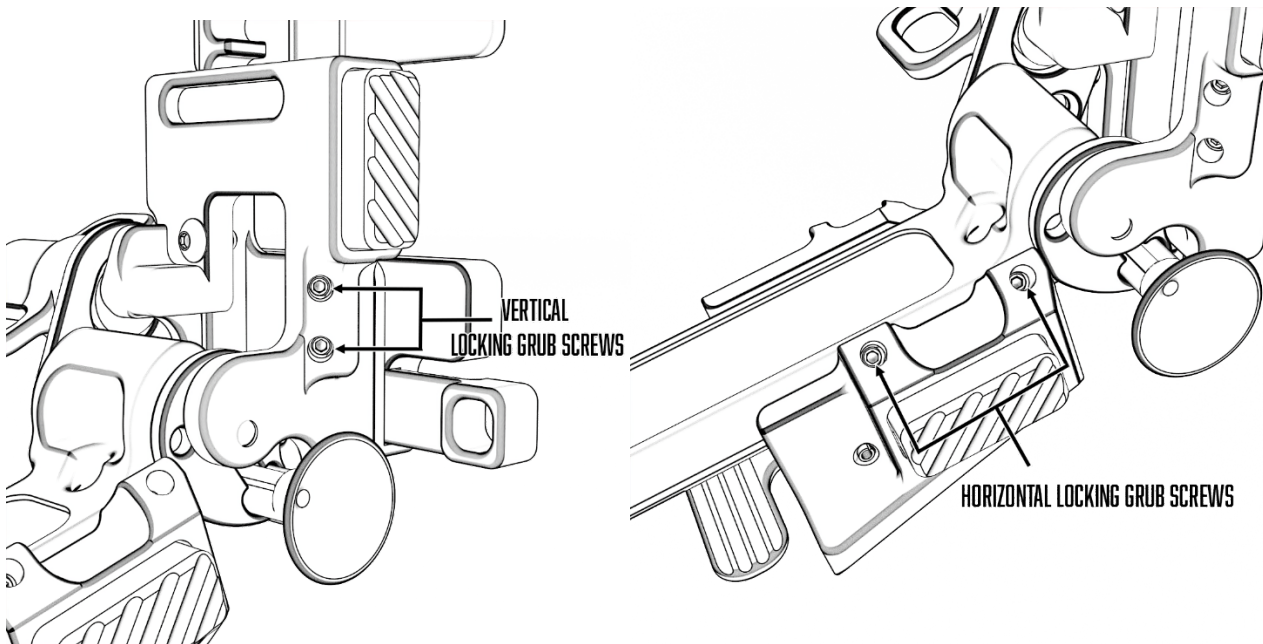
5. **Horizontal Adjustment Button** – The Horizontal Adjustment Button on the ALPHA mount allows the user to move the device forward or backward to achieve proper eye relief. This ensures the eyepiece is at a comfortable and effective viewing distance from the user's eye. Proper distance adjustment enhances image clarity and overall viewing comfort during extended use.

Folded Diagram



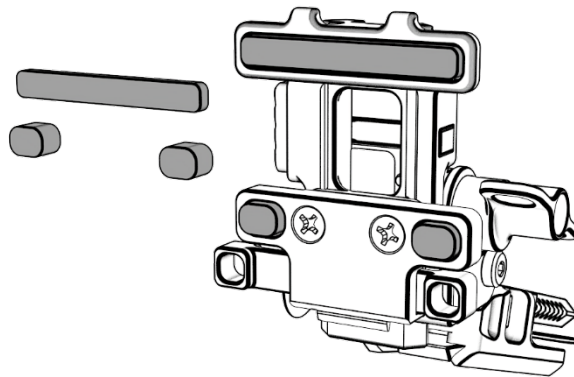
6. **Dovetail Release Lever** – The Dovetail Release lever allows the user to quickly and easily remove the device from the ALPHA mount. Push the lever down towards the night vision device and slide the device off the dovetail mount. The surface is textured and enlarged to give ample grip and area to articulate the lever.
7. **Power Pins** – The power pins located on the underside of the dovetail mounting surface are designed to allow future powering of the device through the mount itself. This feature is still in development, and at present, the pins are not installed on the mount.

Locking Grub Screws



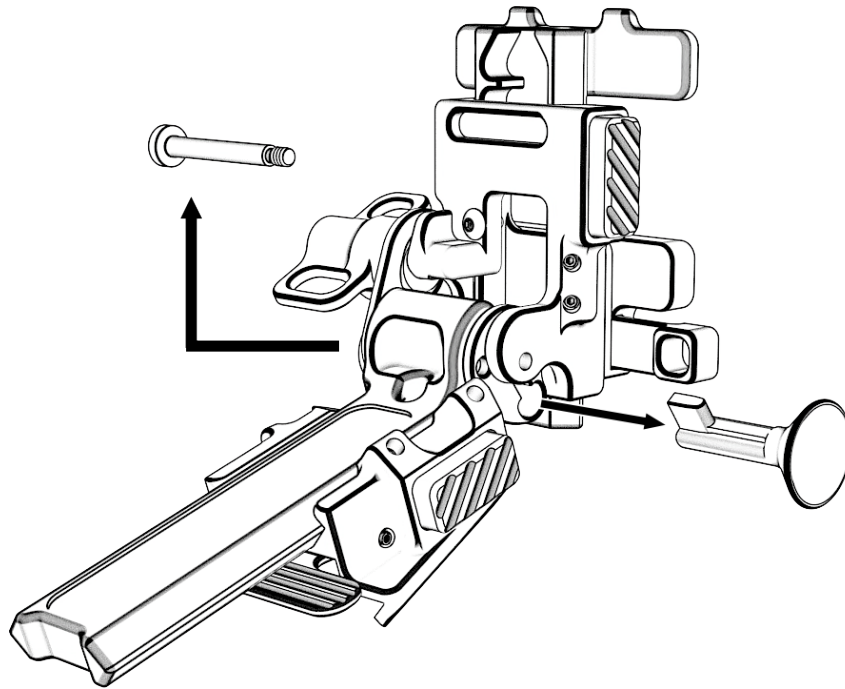
The grub screws located on the vertical and horizontal sleds of the ALPHA mount can be tightened to reduce play or wobble that may develop in the sleds over time. They can also be used to lock a sled in position. If the grub screws are tightened to lock the sled, do not attempt to move it using the side buttons, as this may cause damage to the mount. The grub screws can be adjusted using a 4 mm hex bit.

Pad Replacement



The pads on the rear of the ALPHA mount can be changed out to provide a snug fit to the shroud on the user's helmet. Each pad can be removed or placed as needed depending upon fitment of shroud and helmet.

Push Button to Force-to-Overcome only Guide



The push-button lock on the side of the ALPHA mount can be removed, allowing the arm to lock out using Force to Overcome only. Please use the QR code below to view the video instruction guide for this process.



Notes

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.