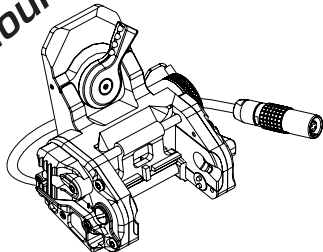

OPERATION AND MAINTENANCE
INSTRUCTIONS FOR THE

WILCOX[®]
DPAM[™]

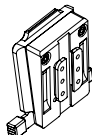
Dual-Powered Aviation Mount

"The Most Trusted Helmet Mount in the World"

Mount Up![®]

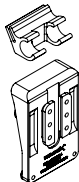


62101G02 - DPAM MOUNT RAIL BASE



(GROUND)

62113G01 - DPAM RAIL BASE ADAPTER



(FLIGHT)

**62104G04 - UNIVERSAL INTERFACE
PLATE / LEMO PIGTAIL STORAGE**



CAGE: 004F1

EAR Controlled: Commerce license may be required for export or re-export.

CONFIGURATION

DPAM MOUNT GROUND SYSTEM

The DPAM Mount Ground System (PN: 62100G04) (not shown) attaches to helmets fitted with currently fielded one- or three-hole patterns, including ANVIS 6/9, F4949, F5050, and GPNVG goggles.

The DPAM Rail Base (PN: 62101G02) affixes to standard shrouds through use of the DPAM Rail Base Adapter (PN: 62113G01).

DPAM MOUNT FLIGHT SYSTEM

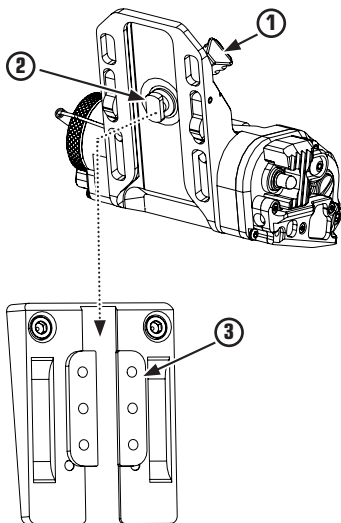
The DPAM Mount Flight System (PN: 62100G06) attaches to flight helmets fitted with currently fielded quick release or 4-hole pattern.

Please contact Wilcox Customer Service at +1-603-431-1331 or via the website at www.wilcoxind.com/contact for more information.

ATTACH RAIL BASE - ATTACH THE DPAM RAIL BASE

ILLUSTRATED
UNLOCKED

ATTACH RAIL BASE

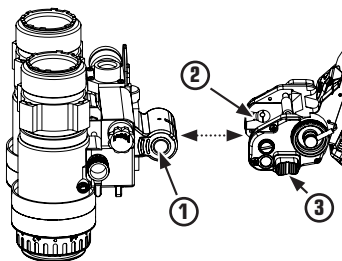


Turn the Rail Base Lock Lever **(1)** to the unlocked position (as shown) so that the Mounting Pin **(2)** is straight up and down.

Slide the Mounting Pin onto the mounting guide of the Interface Plate, making sure the Interface Plate Guides **(3)** align with the Rail Base channels.

Adjust the height of the Rail Base, then turn the Lock Lever to the locked position to lock.

ATTACH NVG - ATTACH AN NVG TO THE RAIL BASE



ATTACH NVG

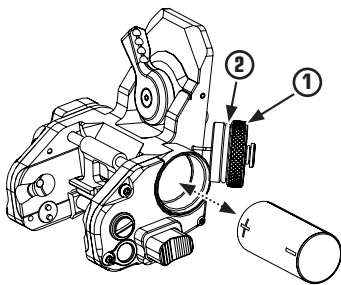
Position the NVG to 90°, then insert the Detents **(1)** into the Rail Base Mounting Grooves **(2)**. Push in until it clicks.

Gently pull to make sure the NVG is secure.

DETACH NVG

Hold the NVG, push the Flip Release Button **(3)**, pivot the NVG to 90°, then pull out the NVG.

REPLACE BATTERY - REPLACE THE BATTERY



Turn Battery Compartment Cover **(1)** CCW to open and remove the battery.

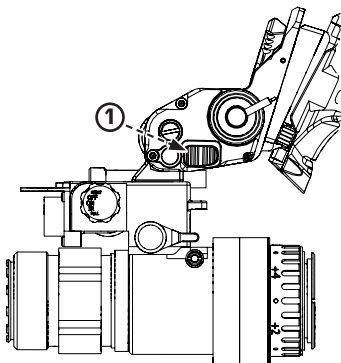
Make sure the Battery Cap O-ring **(2)** is clean. Wipe free of debris.

Insert the new CR123 Battery positive (+) side first.

Put the Battery Compartment Cover back on and turn CW until tight.

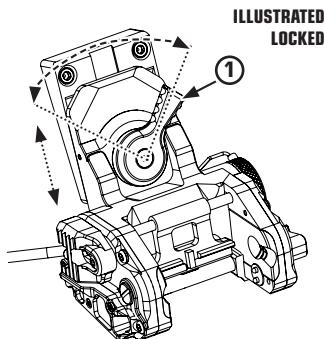
OPERATION

PIVOT - STOWING/DEPLOYING THE NVG



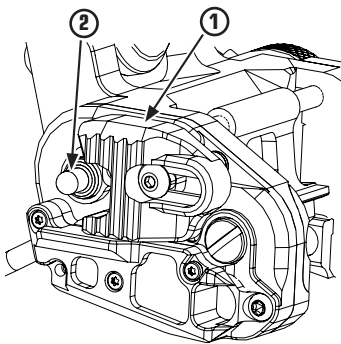
Push the Rail Base Flip Release Button **(1)**, then pivot the NVG to the stowed or deployed position and release the Button.

UP/DOWN - ADJUSTMENT OF THE NVG



Turn the Rail Base Lock Lever **(1)** to the unlocked position to allow vertical adjustment up and down. Turn the Lock Lever to the locked position (as shown) to lock.

SELECT POWER - SELECT INTERNAL OR EXTERNAL POWER



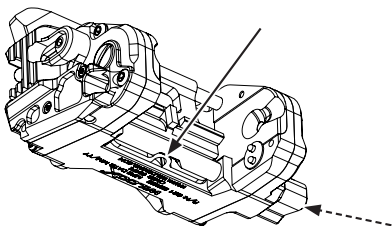
Move the Rail Base Guard **(1)** forward to change the power source. Move the Power Switch **(2)** up to select the internal battery or down to select external power. Move the Guard back to secure.

CARE AND MAINTENANCE

Clean the DPAM system by flushing away dirt with fresh water and/or wiping down the assemblies with a clean, damp cloth. If used in a saltwater environment, flushing with fresh water and drying after use is recommended. If used extensively in a saltwater environment, lightly lubricate stainless steel parts as needed. Make sure the LEMO® Connector is dried completely before use.

Horizontal adjustment and release mechanisms that are not kept free from debris may bind, and the assembly may not lock the Rail Base into the up or down position. Lubricate lightly as needed.

Periodically, and after any cleaning with an air hose, apply a small amount of non-hydroscopic grease to the Rail Base's NVG Flip Release Bar Notch and push the NVG Release Button several times to lubricate.



PREFLIGHT TEST - PERFORM LOW BATTERY INDICATOR TEST

The following pre-flight procedure is used to determine if the Low Battery Indicator is properly functioning on the Rail Base. A proper test is performed when the Low Battery Sensor in the Battery Pack illuminates the Low Battery Indicator on the Rail Base.

- Step 1.)** Connect the Rail Base to the optional Remote Low Profile Battery Pack using the LEMO Connector.
- Step 2.)** Place the Rail Base Power Source Selection Switch to the external battery pack position.
- Step 3.)** Place two (2) fresh AA Batteries in one side of the Remote Low Profile Battery Pack, leaving the opposite site empty.
- Step 4.)** Place the Selection Switch to the side with the batteries.
- Step 5.)** Check voltage and polarity at the goggle interface contacts.
- Step 6.)** Move the Selection Switch on the Remote Low Profile Battery Pack to the no battery side and check the LED Indicator Light.

PREFLIGHT TEST (CONTINUED)

Step 7.) With the Remote Low Profile Battery Pack still having power from the battery side and low/no voltage in the empty side, check that the LED Indicator Light illuminates.

APE TEST - RECOMMENDED AFE TEST FOR THE REMOTE LOW PROFILE BATTERY PACK

This procedure utilizes Government/FAA Certified Equipment to test the operation of the Remote Low Profile Battery Pack. This process utilizes the Portable Digital NVD Test Kit (ANV-126A) and Inline Volt Test Adapter (ANV-126-047).

- Step 1.)** Remove battery trays from the optional Remote Low Profile Battery Pack.
- Step 2.)** Insert the ANV-126-047 battery pack adapter into the Remote Low Profile Battery Pack.
- Step 3.)** Set the Selection Switch on the Remote Low Profile Battery Pack to the side containing ANV-126-047 adapter.
- Step 4.)** Connect the Remote Low Profile Battery Pack to the NVG Mount to be tested, then place the Rail Base Power Source Selection Switch to the external Battery Pack position.
- Step 5.)** Connect the NVG power adapter from the ANV-126A to the NVG Mount and the ANV-126A goggle battery test port.

AFE TEST (CONTINUED)

- Step 6.)** Set the ANV-126A to “Battery Test”.
- Step 7.)** Set the adjustment slide on the ANV-126-047 fully to the right.
- Step 8.)** Turn on the ANV-126-047, and slowly move the adjustment slide from right to left.
- Step 9.)** Note the voltage indicated on the ANV-126A when the Rail Base’s Low Battery Indicator activates.

GENERAL SAFETY WARNINGS

▲ WARNING ▲

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

- **If the Battery Compartment becomes hot to touch and there is a hissing sound (i.e., battery venting) or the smell of irritating sulfur dioxide gas, IMMEDIATELY turn off the equipment. Wait until battery has cooled before removing it, then replace with a fresh battery.**
- **DO NOT heat, puncture, disassemble, test for capacity, short circuit, attempt to recharge, or otherwise tamper with battery.**
- **Many batteries have a safety vent to prevent explosion. When batteries vent gas, there will be a gas smell, one's eyes may become irritated, and/or there may be the sound of gas escaping. When safety vents have operated, batteries are fairly safe from bursting but will be hot and must be handled with care.**
- **DO NOT use batteries that look bulged or have burst. Turn these batteries in to the Property Disposal Office. Contact the Unit Safety Officer for help with bulged or burst batteries.**
- **DO NOT use water to extinguish lithium battery fire if a shock hazard exists due to high voltage electrical equipment in the immediate vicinity (i.e., greater than 30 Volts alternating current (AC) or direct current (DC)).**

GENERAL SAFETY WARNINGS (CONTINUED)

■ ***CAUTION*** ■

Failure to follow the NVG Attach/Detach procedures correctly may result in damage to the NVG and Rail Base.

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, accompanied by purchasing information, a letter including sender's name, address, daytime phone number, date of manufacture, lot number, and a description of the problem or work 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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