

INTRODUCTION

ABOUT YOUR VPU

The Voice Projection Unit (VPU) is an optional accessory for Ops-Core tactical half masks with microphones that clearly projects the wearer's voice at three selectable loudness levels.

VPU COMPONENTS:



RESPIRATOR PREPARATION

If a lock nut is not already installed on the mask, or a light orange filter gasket is present, follow the steps below to prepare the respirator for VPU installation. This procedure can be followed with or without straps installed.

- 1** Remove and discard the existing nut, metal washer and LIGHT ORANGE filter gasket from the respirator. Clean any dirt and debris that accumulated under the washer with a damp, lint-free cloth and allow to air dry.



NOTE: When cleaning, do not use solvents or any other harsh chemicals per the respirator's user manual.

- 2** First, install the new DARK RED / THICK filter gasket. Then, keeping the microphone in place, install the new rubber washer around the threaded external microphone connector so that washer is flat against the respirator.



- 3** Thread the new metal lock nut onto the external microphone connection. Be careful to avoid cross-threading the microphone connection. If locknut does not look square when threading, immediately stop and start again.



- 4** Once resistance is felt while finger-tightening the locknut, use a 16mm wrench to turn one half rotation further until the flat of the lock nut is horizontal as shown.



NOTE: Keep flats on locknut and the two round electronic connectors horizontal as shown.

VPU INSTALLATION

Follow the steps below to install the VPU onto the respirator.

- 1** Position the slide arm in the "unlocked" position as shown.



- 2** Attach the VPU to the respirator, making sure to align the pins on the VPU with the pin receivers on the microphone as shown.

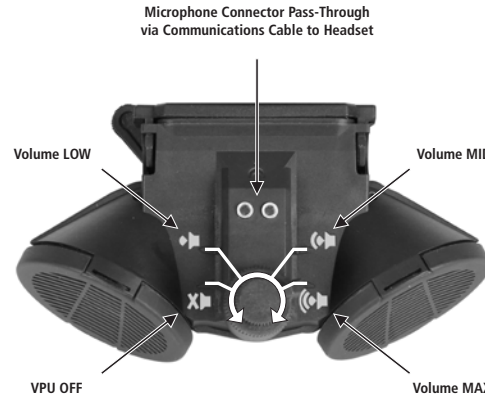


- 3** Move the slide arm to the "locked" position once the VPU is installed.



VPU OPERATION

The diagram below shows the different positions of the VPU's On/Off/Volume settings as well as the microphone connector pass-through location.



USING WITH COMMS

Connect the VPU to your comms headset using your respirator's communications cable as shown below.

Connect the communications cable to the Microphone Connector Pass-Through



The VPU will audibly project all speech. To use a radio without projection, rotate the On/Off/Volume Switch to the off position.

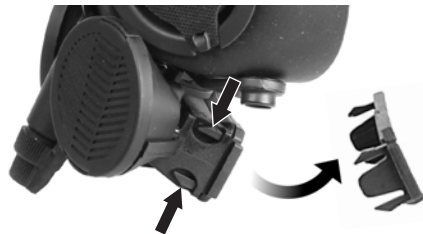


NOTE: When using the AMP headset, it is possible to make comms with both a VPU mic and AMP boom mic. If a degradation in comms quality is noticed, it is recommended to remove the boom mic when using the VPU.

BATTERY REPLACEMENT

Follow the steps below to replace the battery.

1 Pinch the battery cover tabs on both sides of the battery cover to remove.



2 Replace with a CR123 battery as shown and reattach the battery cover.



MAINTENANCE & CARE

Be sure to inspect and clean the VPU before and after each use:

- Inspect the VPU for any signs of damage or breakage and replace the unit if necessary.
- Plan to replace the batteries after 24 hours of continuous use.
- Clean the VPU with a soft brush to remove any heavy dust or dirt particles.
- Use lint-free cloth, damp with mild soap and water to remove any remaining debris.
- Air dry before installation onto a respirator.
- Ensure that the filter gasket is replaced with the updated dark red / thick version before use and that it is replaced if any sign of wear is seen.

FOR QUESTIONS OR SERVICE:

Ops-Core Customer Service
+1 888.894.1755
groundcs@gentexcorp.com

WARRANTY

GENTEX CORPORATION LIMITED WARRANTY

Unless an individual product is covered by a separately issued warranty, Gentex warrants that all helmet components, accessories, peripherals, and parts will be free from defects in material or workmanship under normal use and service for a period one (1) year from the date of delivery. All repair covered by this warranty shall be performed at Gentex's factory, or other such warranty repair facilities of Gentex as designated by Gentex unless Gentex specifically directs that repair services be performed at another location. Any defect corrected and found to be within this scope of the warranty will be repaired by Gentex and all charges for labor and material will be borne by Gentex. If it is determined that either no fault exists in Gentex, or the damage to be repaired was caused by negligence of the user, its agents, employees or customers, you agree to pay all charges associated with each such repair. No statement, recommendation or assistance made or offered by Gentex through its representatives to the user, its agents, employees, or customers in connection with the purpose or intended use of any Gentex's product shall be or constitute a waiver by Gentex of any of the provisions of this warranty or change Gentex's liability under this warranty.

EXCEPT WHERE PROHIBITED BY LAW, THE WARRANTY DESCRIBED ABOVE CONSTITUTES THE SOLE WARRANTY MADE BY GENTEX EITHER EXPRESSED OR IMPLIED. THERE ARE NO OTHER WARRANTIES EXPRESSED OR IMPLIED THAT EXTEND BEYOND THE FACE HEREOF, HEREIN, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL GENTEX BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES EVEN IF ADVISED OF SUCH DAMAGES, AND THE USER, ITS AGENTS, EMPLOYEES, OR CUSTOMERS REMEDIES SHALL BE LIMITED TO SOLELY TO THE REPAIR OR REPLACEMENT OF NONCONFORMING UNITS OR PARTS, WHICH AMOUNT SHALL NOT EXCEED THE TOTAL PURCHASE PRICE OF THE PRODUCT UNDER WARRANTY.

Any tampering, misuse or negligence in handling or use of the product renders the warranty void. Further, the warranty is void if, at any time, the user, its agents, employees or customers attempts to make any internal changes to any of the components of a product; if at any time the power supplied to any part of the product exceeds the rated tolerance; if any external device attached by the user, its agents, employees or customers creates conditions exceeding the tolerance of the product; or if any time the serial number plate is removed or defaced. OPERATION OF THE PRODUCTS THAT RENDERS THIS WARRANTY VOID WILL BE DEFINED TO INCLUDE ALL OF THE POSSIBILITIES DESCRIBED IN THIS SECTION, TOGETHER WITH ANY PRACTICE THAT RESULTS IN CONDITIONS EXCEEDING THE DESIGN TOLERANCE OF THE PRODUCTS.



VPU VOICE PROJECTION UNIT

QUICK REFERENCE GUIDE



For Ops-Core® Tactical Respirators Equipped with a Microphone

This product is covered by one or more patents.
For more information visit www.gentexcorp.com/patents



www.ops-core.com

1004074-00 REV.D

© 2025 Gentex Corporation. Ops-Core and the Ops-Core logo are registered trademarks of Gentex Corporation or its affiliates.