

CVPU™

VOICE PROJECTION UNIT

Avon Protection’s CVPU Voice Projection Unit, integrates seamlessly with all Avon Protection 50/53/54 series respirators enabling the operator’s voice to be amplified without compromising protection, extending clear, intelligible speech to nearby personnel while maintaining full communications range and operational effectiveness in dynamic combat environments.

Digital Voice Processing (DVP) enhances voice clarity and supresses external sounds in high noise, ensuring intelligible communication and improved situational awareness during critical operations.

SPECIFICATIONS

Part Number	Description
608498	CVPU (with 50 series and 53/54 series brackets included)
608194	50 Series Bracket (spare)
608195	53/54 Series Bracket (spare)
Physical Characteristics	
Weight (including backplate and batteries)	181g (53/54 series) 185g (50 series)
Color	Black
Size	123 x 70 x 56 mm

50 SERIES



53/54 SERIES



FEATURES, BENEFITS & PERFORMANCE

- Eliminates the need for an internal microphone by detecting speech vibrations directly from the user, ensuring clear voice transmission while maintaining mask integrity and reducing interference from external noise.
- Configurable backplates ensures connection to any Avon 50/53/54 series respirator.
- Designed to meet the requirements of NFPA 1986 Speech Transmission Index (STI) performance.
- Connects to all Avon Tactical Mask Communications (TMC) equipment.
- 2 x AAA batteries provide >24 hours battery life. TMC radio communication remains functional when battery has extremely low charge.
- Dual mode operation offers concurrent voice amplification and radio communication and a stealth mode which allows for the VPU to be silenced whilst maintaining radio communications.
- Operational temperature range:
-32°C to 49°C (-25°F to 120°F), 5 to 100 % humidity.
- Recommended storage temperature range:
20°C +/- 10°C (68°F +/- 18°F) <85% relative humidity.

High performing communications unit which has been designed to meet the latest certification standards:

Designed to meet the requirements of:
EMC Directive 2014/30/EU
IP 68
intrinsically safe rated per UL-913 Class I-III, Division 1, Group A-G, T4