

ROANWELL CORPORATION

# RAVEN

## SERIES HEADSET



**T**he Raven series of headsets are designed to provide reliable communication and hearing protection in the most rugged and demanding conditions.

The Raven headset's Active Noise Reduction eliminates unwanted background noise, whilst the passive attenuation protects the user's hearing and allows for clear communications.

The Raven headset's Talk-Through capabilities allow the user to turn on situational awareness and hear external noises without removing their headset. The Talk-Through functionality is also designed to protect the user's hearing against impulse noises by limiting the sound level of the talk through to 110dB.

The headset is designed to fit under Mitch/ACH – Advance Combat Helmets, and comes with a lightweight, ergonomic, chest mounted switchbox, which includes user interface functionality to enable the ANR and Talk Through functions as well as control the communication functions.

### FEATURES INCLUDE:

- Active Noise Reduction (ANR) with an NRR rating of 25dB(A)
- Situational Awareness Talk Through functionality
- Talkthrough circuitry is limited to 110dB to protect the user from painful impulse noises
- Lightweight and Ergonomically Designed Switchbox with multi position, Rotatable Clothing Clip
- Respiratory Microphone connection under seal on switchbox
- Toggle switch with three positions: Talk through, Off, and ANR
- 60 Hour Talk Through performance on a single AA battery
- IP67 water sealed variant available
- Electromagnetically shielded to meet the requirements of MIL-STD-461, RS103
- Environmentally tested and qualified to MIL-STD-810 temperature, impact, humidity, fungal resistance, salt fog and other requirements.
- All Roanwell products are designed and manufactured in the USA
- Available in configurations for various vehicle intercom systems including VIC3

*Roanwell can customize products to suit any customer's needs, please enquire about custom variants on Roanwell's website*



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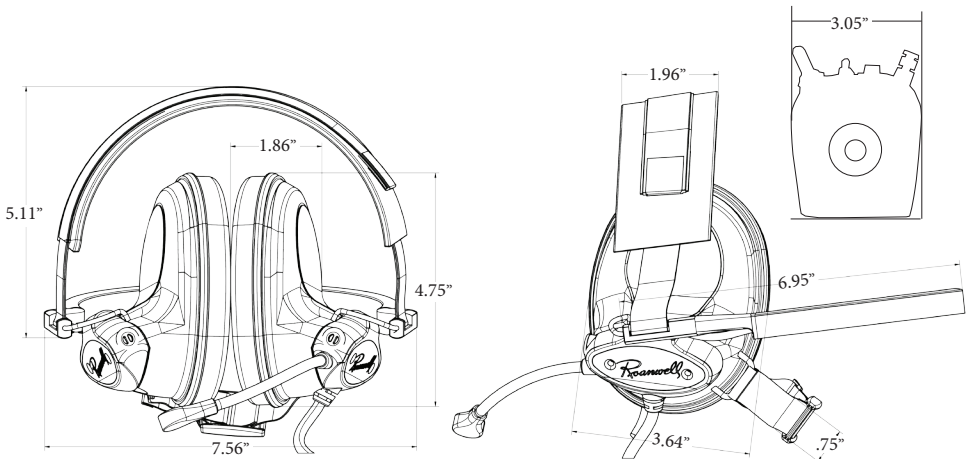
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Email: [sales@roanwellcorp.com](mailto:sales@roanwellcorp.com) | [www.roanwellcorp.com](http://www.roanwellcorp.com) | © Roanwell Corporation 2016. All Rights Reserved  
Roanwell is a woman and veteran owned, Hubzone, small business

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## HEADSET AND SWITCHBOX DIMENSIONS



## ATTENUATION TABLE

Frequency (Hz)	125	250	500	1000	2000	4000	8000	NRR
Passive (dB)	18	16	14	20	41	38	38	25
ANR (dB)	24	20	14	19	41	34	38	25

## PRODUCT SPECIFICATIONS

**NSN: 5995-99-666-5770**

Operational Temperatures

Storage Temperatures

Unit Weight:

**Microphone:**

**Earphone:**

**Connector:**

**Environmental Test Qualifications:**

MIL-STD-810: Temperature – Operational: Method 501.5, Proc I and II

Temperature – Storage: Method 502.5, Proc I and II

Humidity: Method 507.5, Proc II Aggravated

Fungal Resistance: Method 508.6

Salt Fog: Method 509.5

MIL-STD-461: Method 5.20

Ingress Protection: IP67

Impact/Drop: 2m onto Concrete 10 times with no damage.

-40°F to 124°F (-40°C to 51°C)

-70°F to 160°F (-57°C to 71°C)

Total: 590g, switchbox weight 190g

150  $\Omega$  Noise Cancelling Dynamic, < 5% distortion

300  $\Omega$  Dynamic, < 5% distortion

Overmolded AP-107

*All specifications are customizable  
per customer's specifications*

Specifications are subject to change without notice and shall not form part of any contract. They are issued for guidance purposes only.



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