



TRI-AHES-1

Amplified High Efficiency Speaker



Description

The Amplified High Efficient Speaker **TRI-AHES -1** Amplified Speaker is a compact, ruggedized light weight tactical audio speaker system designed to operate in the most rigorous environments and can withstand the harshest environments worldwide.

The **TRI-AHES -1** Amplified Speaker will monitor a single transceiver and or encryption unit. Using the standard transceiver audio interface connector the **TRI-AHES -1** Amplified Speaker is virtually compatible with any communications. The **TRI-AHES -1** reduces size and weight requirements while providing assured audio.

Quick Specs

- 13.75 inches smaller than existing speakers
- 3.1 lbs
- 91 dBa Sound Pressure level @ 1 meter & 0.6Vrms/1Khz
- Compatible with Standard 5 or 6 pin audio connector

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Contract information 301.793.0477

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The TRI-AHES-1

Specifications

Compatibility	AN/PRC 117G, AN/PRC-158, RF-7800M-MP, RF-7800-MP, RF-7800-RC, AN/PRC-152, MBITR, JEM and any Radio with a standard 5 or 6 pin audio connector	Speaker Environmental Test	Water proof/sand proof/dust proof. Total Immersion for 96 hours without deterioration of sound quality.
Input Voltage	DC power input: 9 to 36 VDC to include 12VDC, 24VDC, 28VDC, standard military batteries, vehicle power, aircraft DC power	Efficiency	high efficiency audio amplifier reduces the DC power consumption by up to 65%
Audio Input	1.6 V RMS nominal	Automatic Level Control (ALC)	Built in ALC insures constant audio level at the speaker regardless to the level of the received audio from the radio.
Rated Audio Output	15 Watts RMS	Volume Controls	Speaker and Handset adjustable via front chassis. With automatic speaker TX Mute during PTT. Handset/Headset is fully functional with or without DC power
Audio Frequency Response	195 to 7000 Hz	Indicators	Power and RX Audio (green). Two Night Vision Goggle (NVG) compatible indicator lights.
Sound Pressure Level	91 dBa @ 1 meter @ 0.6V rms/1 Khz	Weight	3.1Lbs
Distortion	Continuous short circuit over-voltage, over temperature protection auto reset	Speaker Operating Temp	-40°C to +71°C
BUZZES AND RATTLES	No buzzes or rattles w/swept Sine Wave at rated power	Size Full Config	4.75H x 4.75W x 2.48D
Protection	Protected against DC power reverse polarity, voltage spike/voltage surge to 600V per MIL-STD1275, over-current, short circuit and over-temperature.	Optional Accessories	TRI-AS-DC-1, 10 Feet shielded power cable TRI-AS-AU-1, 10 Feet shielded speaker cable with 329/U connector

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Designed, engineered and manufactured in the United States

www.rf.trilliumrsch.com