



# TRICOM

## RESEARCH, INC.

### TCR-SPK-02 Dual Net Speaker

The Tricom Research Amplified Dual Net Speaker is a compact, rugged and light weight tactical communications speaker designed to operate in the most rigorous environments the modern day war fighter is operating in, from fixed base station communications to tactical vehicle communications installations.

A standard D-SUB 15 pin male connector is provided for easier vehicular and portable systems integration.

**Part # 11000-00771**



## FEATURES

- Embedded 5-watt audio amplifier
- Recessed connectors, controls and indicators for a compact low profile
- Automatic muting when handset is keyed
- Volume Controls: Speaker and Handset
- Power and receive audio LED indicators for each net
- Wide Range DC Input Power
- Easy to install and operate
- Compatible with existing communication equipment
- Local handset fully functional regardless of power switch setting
- Optional cable sets are available for remote operation, battery operation or alternate power source connections



## GENERAL SPECIFICATIONS

DC Input	12-32 VDC
Audio Input	1.6 V RMS
Audio Output	5 Watts Maximum
Audio Frequency Response	300 to 3000 Hz
Sound Pressure Level	90 dBa @ 1 meter @ 0.6V rms/1 Khz
Distortion	< 2% at Full Power
Speaker TX Mute	Automatic with PTT
Volume Controls	Speaker and Handset adjustable via front panel
Indicators	Power (green) Net A, Net B (Green when active no receive audio, yellow when active with receive audio, red when muted with receive audio, off when muted with no receive audio)
Radio Connector	Souriau 851-07A106P50
Power Connector	Amphenol PT07A-8-2P
Dual Net Interface	DE-15
Handset Connector	GC 683S (standard NATO 6 pin audio connector compatible with dual net handsets)
Environmental	Designed to meet MIL-STD-810F
Electrical	Designed to meet MIL-STD-461E
Dimensions	4.125" H x 3" W x 2.4" D (including connectors)
Weight	2 Lbs
Optional Cables	77500-00442 – 6' audio cable (speaker TO RADIO port to radio handset port for single net operation) 77500-00443 – 6' DC power cable (speaker POWER port to unterminated positive and negative leads for 12-32 VDC power operation) 77500-00577 – 6' audio cable (speaker DSUB15 to TCR-HHR-02 speaker DSUB15 for dual net operation, includes DC power for speaker) 77500-00579 – 6' audio cable (speaker DSUB15 to 2 radio handset connectors for dual net operation, includes unterminated 6' power cable)
Optional accessories	79000-00503 – Dual net handset