

MRC-165

Amplified Speaker

Technical Datasheet

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Overview

This compact Amplified Speaker is compatible with ARC-210/RT-1747(C) and ARC-210/RT-1851 transceiver's audio interface connections.

The MRC-165 is operational from a wide range of DC input power (12 to 36 VDC). Weighing only 3.75 pounds, it is weather resistant and dustproof. For ease of use, all connections and controls are readily accessible. The MRC-165 also comes with a handset mount.

Features

- 12-36 variable DC input
- Embedded 5-watt receive audio amplifier
- Mic line audio amplifier
- Automatic muting when handset is keyed
- Volume control for speaker and handset
- Power and receiver audio active LED indicators
- Local handset fully functional regardless of power switch setting
- Adaptable to existing communications equipment
- Easy to install and operate
- Optional cables sets for remote operation, battery or alternate power

Technical Specifications

Part No.	MRC-165
NSN	5965-01-545-8562
DC Input	12-36 VDC
Power Indicator	Green LED NVG compatible
Receive Audio Annunciation	Yellow LED NVG compatible
Audio Input	1.6 V RMS (2.3 VP-P)
Audio Output	5 watts max
Audio Band Pass	300 Hz to 3000 Hz
Mic Audio Output	0.5 - 1.25 vrms
Total Harmonic Distortion	2% at 5 watts
Sound Pressure Level	90 DbA at 1 meter with 0.6 V RMS 1kHz
Speaker Mute	Automatic when PTT keyed
Power Switch	On/Off - handset operational w/ speaker off
Size L x W x H (inches)	5.75 x 4.75 x 3.7
Weight	3.75 lbs.
Operating Temperature	-30°C to +55°C
Storage Temperature	-70°C to +85°C
Operating Altitude	45,000 ft.
Storage Altitude	55,000 ft.
Humidity	100% relative

Applications

Using the adjustable bracket, the speaker mounts in various positions on vehicles, airplanes, boats and structures. Lightweight, it also can be carried in a rucksack.