

# Amplified Speaker MRC-165



## 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

## 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 is also comes with a handset mount.

## 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.

## One Source, Many Solutions

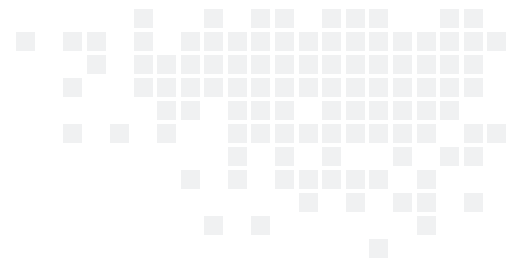
The MRC-165 is one example of the broad capabilities of Ultralife Communications Systems to provide products, systems and 'concept to reality' engineering solutions to the military and defense industries. Ultralife offers a wide range of products from batteries, RF amplifiers, chargers, power adapters, speakers, cables/connectors, equipment mounts and case equipment. As a worldwide leader in power solutions and accessories, Ultralife customers benefit from a company that is one source for many solutions.

When customers have totally new or unique requirements or need adaptations to meet mission critical program requirements, our design and engineering teams can provide extensive services ranging from mechanical, electrical, software and testing. Based on your defined needs, we provide total solutions including costing, prototyping, testing and manufacturing.

Ultralife Communications comprises three brands: McDowell Research, AMTI and RedBlack Communications.

# Amplified Speaker

## MRC-165



### 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/Of - handset operational w/speaker off
Size	5.75"L x 4.75"W x 3.7"H
Weight	3.75 lbs.
Operating temperature	-30° to +55° C
Storage temperature	-70° to +85° C
Operating altitude	45,000 ft.
Storage altitude	55,000 ft.
Humidity	100% relative