

# Radio Agnostic SATCOM On-the-Move-System

## MIK-21-75



## Features

- Complete SOTM solution for HMMWV applications
- Provides secure broadband (UHF, LOS, and SOTM)
- Compact design saves space
- Integrates audio, radio power, and power distribution
- Radio agnostic, works with most radios in the 30-512 MHz frequency
- Includes adaptable mounts pre-wired for quick connectivity
- Accepts wide range of DC input voltages
- Includes amplified speaker, 75-watt amplifier
- Only 60 lbs. (excluding radio)

## Overview

There is no system more compact, complete and affordable that integrates amplified audio, radio power and power distribution. Originally designed for the AN/PRC-117F and AN/PSC-5 Series Tranceivers, the MIK-21-75 is actually radio agnostic, meaning it works with any of the manpack radios currently available.

The system easily integrates into most military vehicles. Installation is made easier because the MIK-21-75 features adaptable mounts and is pre-wired for quick connectivity.

A SATCOM antenna mounting bracket is also included for easy mounting into the vehicle. The system operates with a wide range of DC input voltages and includes a 75-watt amplifier.

The system integrates amplified audio (MRC-67A Amplified Speaker), radio power and power distribution.

## Applications

The MIK-21-75 is a complete vehicle systems solution designed for conducting secure broadband (UHF, LOS and SOTM) including satellite communications. It is designed specifically for adaptation and installation in High Mobility Wheeled Vehicles (HMMWV). Being radio agnostic, it is compatible with radios in the 30-512 MHz frequency range. The system kit does not include the transceiver.

## One Source, Many Solutions

The MIK-21-75 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 two brands: McDowell Research and AMTI.

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## MIK-21-75

### Technical Specifications:

<b>Part No.</b>	MIK-21-75
<b>Size</b>	26.5" L x 22.5" W x 14.75" H
<b>Weight</b>	60 lbs. (without radio)
<b>Operating temperature</b>	-30° to +55° C
<b>Storage temperature</b>	-50° to +65° C
<b>Operating altitude</b>	27,000 ft.
<b>Storage altitude</b>	55,000 ft.
<b>Humidity</b>	95% relative
<b>Antenna</b>	Optional at additional cost
<b>Amplifier</b>	75-watt
<b>Amplified speaker</b>	MRC-67A
<b>Supported battery types</b>	MRC-490 (V1) Rechargeable sealed lead acid battery in MRC-99-01
<b>Power supply/adapter</b>	MRC-99-01
<b>Accessories included</b>	Universal RMT-2 radio mount Amplifier