

Features

OVERVIEW: The MiHub RMR radio Super collector is a high powered long range device that receives signals both from nodes and collectors then forward them to either the local or hosted data server.

OPERATION: The MiHub RMR is a super collector that stores and communicates the data collected from end point and standard collectors. The unique high power output and high speed communication is ideal for managing large scale communication networks, extending transmission distances and system capacity. The MiHub RMR can expand a localized radio network to a countrywide system due to the equipment's extensive connectivity, modular design and smart programming. The MiHub RMR is expandable taking the system design today while preparing for the growth of the future with the ability to operate on either VHF or UHF channels simultaneously in addition to being full 2 way communication.

PERFORMANCE: The MiHub RMR is completely modular allowing a trained technician to easily service the device at any point in time. This cellular design allows for multiple cellular carriers in addition to staying up to date with the latest cellular communication protocols.

The MiHub RMR retransmits the signals each time a node is installed providing the technician doing the installation to get a real time verification at the time of install that the radio is in the network.



Key Features

- High quality robust design for outdoor installation
- Automatic protocol detection
- Capable of up to eight channels combined
- Unlimited message buffer
- Easy installation
- Efficient laptop or PC programming
- Excellent lightning protection
- AC mains protection
- Optional in 19" rack mount configuration

TECHNICAL SPECIFICATIONS

General

AC Power Input	85 - 264 VAC, 45-65 Hz
AC Current Consumption	Average 1 @ 220 VAC; 2 110 VAC
Backup Battery	12 VDC, 2x7 AH Sealed Lead Acid
Operating Temperature	-22°F to 140°F (-30°C to 60°C)
Storage Temperature	-40°F to 158°F (-40°C to 70°C)

RF Transmitter

Frequency	VHF 154 - 174 MHz UHF 450-470 MHz
Modulation	FM, FSK
Power Output	Programmable up to 10 Watt
Frequency Setting	Synthesized
Frequency Stability	± 2.5 ppm
Deviation	2.2KHz for 12.5KHz bands
Operating DC Voltage	10.5 - 14.5 VDC

Digital Encoding / Decoding

Protocols	Multiprotocol Mega-Net & Lars II Kpac
No. of Channels	Modular, up to 8 channels
TX Format	Asynchronous Data, Packet Throughput 9600 @ 12.5 KHz
Time-out Timer	Automatic
Test Message	Manual or auto, single message
AC Fail / Restore	Automatically produced message
Direct Alarm Inputs	8, Less than 3Kohms = closed, more than 40kohms = open or 12VDC = open, OVDC = closed
Parameters Selection	PC dedicated S.W. via RS232 / USB port (GUP™) and GUI

Physical Dimensions

Size	15.5 × 24 × 6
Weight	35lbs (without backup batteries)