

UHF Analog



Liberty™ Repeater

Total Radio Coverage at a Reasonable Cost.

- Rugged & Reliable
- Increases Range & Penetration
- Overcomes Deadspots & Obstacles



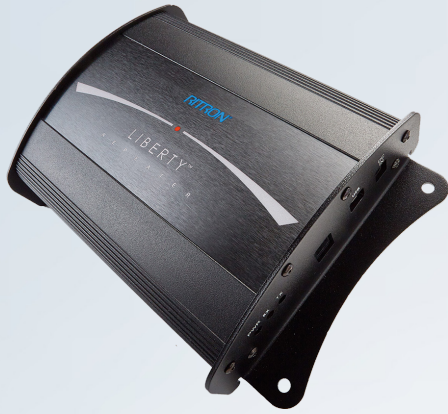
**2 OR 5
WATT**
Models Available

Ritron understands your requirements

Our repeater satisfies your on-site communication needs, and pocketbook, for enhanced RF range. With our repeater, we eliminate the requirement for high power, high cost repeaters.

Made in USA





- 2 Watt or 5 Watt Models
- Wide or Narrow Band
- 12VDC Back-up Capable
- 2 DCS Talk Groups or 1 CTCSS Talk Group
- Includes Built-in Duplexer and Power Supply
- Models Available in NXDN or DMR Digital



RAM-1545
Antenna

Wireless Products & Accessories

Ritron compliments your 2-Way radio communications!

VHF/UHF 2-Way Base Station / Wireless Intercom: Great 24/7, 2-way radio monitoring for service desks, office administration, and security. The stationary desktop or wall mount radio is compatible with virtually any VHF or UHF radio. Operates on 110 VAC or 12 VDC, so no batteries are required. *Always ready ... always there ... always on!* *Available in NXDN and DMR Digital



Ritron Callbox

Instant communication right where it's needed! *Installs quickly and easily without costly trenching, monthly charges, or air-time fees.* Provides long-range (miles, not feet) communication between radio-equipped personnel and the callbox. Enjoy system access from even the most remote locations. *Available in NXDN and DMR Digital



LoudMouth® Wireless PA System:

Ideal anywhere a hard-wired PA is impossible or too expensive to install. Allows personnel to use a portable 2-way radio, base station, or mobile radio to deliver "live" voice messages directly to the PA speaker from up to 2 miles away. Pairs perfectly with the Liberty Repeater™ for added range. *Available in NXDN and DMR Digital



VHF/UHF Portable Radios: Experience instant communication at the push of a button. Our radios are designed with your needs in mind - rugged, reliable, and lightweight - ensuring you stay connected, even in the toughest environments. With our radios, you can trust that your voice will reach the right people, exactly when you need it most. *Analog and DMR Capable



General	WIDE BAND 25 kHz	NARROW BAND 12.5 kHz
Models: 2 Watt 5 Watt	RLR-460-W RLR-465-W	RLR-460 RLR-465-N
FCC ID: IC:	AIERIT15-460 1084 A-RLR-460	AIERIT15-460 1084 A-RLR-460
FCC Parts: Dimensions:	90, 95A 2.125"H X 8.0" W X 5.75" D	90, 95A 2.125"H X 8.0" W X 5.75" D
Weight	3.5 lbs.	3.5 lbs
Emission Designators:	14K8F3E	11K1F3E
Operating Frequency Range:	450-470 MHz	450-470 MHz
Frequency Separation:	TX/RX: 5.0 MHz	TX/RX: 5.0 MHz
RF Channels:	(1) TX/RX Channel	(1) TX/RX Channel
Synthesized Steps:	12.5 kHz	12.5 kHz
Tone/Code Signalling: Power	1 CTCSS, Talk Group or 2 DCS(Digital-Coded Squelch) Talk Groups	12 VDC nominal @ 1A 12 VDC nominal @ 1.5A
Requirements: (2 Watt): (5 Watt):	12 VDC nominal @ 1A 12 VDC nominal @ 1.5A	1/2 Watt into 8 Ohms
Local Audio Output:	1/2 Watt into 8 Ohms	0 to 8 seconds, programmable
Hang-Time Timer:	0 to 8 seconds, programmable	0 to 8 seconds, programmable
Squelch Tail Eliminator Timer:	0 to 8 seconds, programmable	10 to 30 minutes, programmable
Time-out Timer:	0 to 30 minutes, programmable	"N" Type
RF Connector:	"N" Type	P-5 (2.1 mm X 5.51mm X 9.5mm)
DC Power Connector:	P-5 (2.1mm X 5.51mm X 9.5 mm)	50 Ohms
Antenna Impedance:	50 Ohms	RJ-12
Test Speaker Microphone:	RJ-12	
TRANSMITTER		
RF Output @ Antenna Port	5/2 Watt	5/2 Watt
Frequency Stability:	+/- 1.5 PPM (-30°C to +50°C)	+/- 1.5 PPM (-30°C to +50°C) Direct FM
Modulation:	Direct FM	0 to +/- 2.5 kHz, adjustable
Deviation:	0 to +/- 5 kHz, adjustable	< -20 dBm
Spurious & Harmonics:	< -20 dB	10 to 2500 Hz (+/- 3 dB)
Audio Response:	10 to 2500 Hz(+/- 3 dB)	-45 dB
FM Hum & Noise:	-50 dB	100/25%
Duty Cycle:	100/25%	
RECEIVER		
Receiving System:	Fixed Tuned, Dual Conversion Superheterodyne	Fixed Tuned, Dual Conversion Superheterodyne
IF System:	43.65 MHz/450 kHz	43.65 MHz/450 kHz
Local Oscillator:	Low Side Injection	Low Side Injection
Sensitivity (12 dB SINAD):	0.28 uV through duplexer	0.28 uV through duplexer
Selectivity (EIA):	- 75 dB @ +/- 25 kHz	-65 dB @ +/- 12.5 kHz
Spurious Rejection (EIA):	- 75 dB	-75 dB
Image Rejection (EIA):	- 80 dB	-80 dB
Intermodulation Rejection (EIA):	- 70 dB	-70 dB
Frequency Stability:	+/- 1.5 PPM (-30°C to +50°C)	+/- 1.5 PPM (-30°C to +50°C)
Noise Squelch Sensitivity:	8-18 dB SINAD, adjustable - factory set to open @ 12 dB	8-18 dB SINAD, adjustable - factory set to open @ 12 dB
Audio Frequency:	10 Hz to 3 kHz	10 Hz to 3 kHz



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Your Ritron
Dealer: