

RDR2300 Series



RDR2330

RDR2390



Cost-Effective DMR Digital Radios

Guaranteed compatibility with all major radio brands.

Compact, versatile and cost-effective, the RDR2300 Series of radios is completely compatible with any other DMR Digital radio on the market. It operates in both digital and analog modes, delivering loud and clear communication. RDR2380 comes with a display and full keypad and with its versatility it can be used in a wide range of applications. Industries such as K12 Education, Colleges and Universities, Manufacturing, Security, Hotels and more. When safety and reliability is critical, the RDR2300 Series of radios is the best choice for your communication needs.

Features:

- ❑ **Exceptional Audio Quality, Improved Coverage** - The RDR2300 Series radios completely eliminate background noise and static from voice transmissions, delivering a crystal clear message compared to analog radios.
- ❑ **Analog + Digital Operation** - Capable to operate in both analog and digital modes the RDR2300 Series radios give you the option to upgrade to digital at your own pace.
- ❑ **Smallest Digital Radio on the Market** - Compact, lightweight design, making the RDR2300 Series radios are very comfortable and easy to use through a long work shift.
- ❑ **Power is Performance** - The RDR2300 Series radios are designed to conserve battery power reducing the power consumption by 40% compared to analog radios. This extends the radios operating time, enabling your employees to stay connected for up to 13 hours of regular usage. Eliminating the need to recharge during long shifts.
- ❑ **Emergency and Security** - In critical situations, the radio user can initiate an emergency alarm which overrides all activity on the channel.
- ❑ **Private and Group Call** - Allows users to talk privately with specific individuals or groups without broadcasting to everyone on the channel.
- ❑ **Signaling** - 2-Tone, 5-Tone, DTMF Encode/Decode and MDC1200 Encode: PTT ID (identifies outbound calls), Individual/Group Call (receive/place calls from specific individuals or groups), Call Alert (tone indicates new inbound call), and Alarm (sounds alarm or notifies system administrator of emergency).
- ❑ **Radio Stun/Kill/Revive** - Allows the radio administrator to disable radio if it is lost or stolen.
- ❑ **Programmable Top Emergency Button** - Alarm button sounds emergency signal. Button can be programmed to transmit voice and/or radio identity or other options.
- ❑ **Two Programmable Side Buttons** - Places your favourite features at your fingertips.
- ❑ **Voice Annunciation** - Announces channel number when channel is changed.
- ❑ **Industry Leading Warranty** - 3 Year Warranty.

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RDR2300 Series Specifications

GENERAL			
Frequency Bands	136 -174 MHz (VHF); 400 -470 MHz (UHF)		
Dimensions	4.5" x 1.3" x 2.1" 113mm x 54mm x 33.5mm		
Weight	9.5 ounces (270g) with 1700 mAh battery		
Battery	Li-ion 1700 mAh. Optional 2000 mAh		
Battery Life	Approx.14 hours, high transmit power 1700 mAh battery, 90:5:5 duty cycle		
Channels	32 / 1,000		
Frequency Stability	± 0.5 ppm (typical)		
Environmental Protection	IP54 Design		
Environmental Standards	MIL-STD-810 F	Method	Procedure
	Low Pressure	500.4	I, II
	High Temperature	501.4	I, II
	Low Temperature	502.4	I, II
	Temperature Shock	503.4	I
	Solar Radiation	505.4	I
	Rain Blowing/Drip	506.4	I, III
	Humidity	507.4	-
	Salt Fog	509.4	-
	Dust Blowing	510.4	I
	Vibration	514.5	I
	Shock	516.5	I, IV
	Operating Temperature	-4°F (-20°C) ~ 122°F (50°C)	
Emission Designators	Analog	8K02F3E, 9K52F3E, 10K0F3E, 11K0F3E	
	Digital	7K21FXD/FXW, 7K31FXD/FXW, 7K41FXD/FXW, 7K60FXD/FXW, 7K72FXD/FXW	

TRANSMITTER SPECIFICATION	
Power Output	1 W, 2 W, 4/5 W; 3 programmable levels
Audio Distortion	<3%
Audio Frequency Response	+1 dB to -3 dB @ 300 to 3000 Hz
Hum and Noise	45 dB / -40dB (25 kHz)
RECEIVER SPECIFICATION	
Analog Sensitivity	0.3SuV/ -116dBm(20 dB SINAD) 0.22uV/ -120dBm(Type)
Digital Sensitivity	0.3uV/-117.4dBm (BER 5%) 0.7uV/-110dBm (BER 1%)
Selectivity	60 dB (12.5kHz); 70 dB (20/25 kHz)
Intermodulation	70 dB
Audio Frequency Response	+1 dB to -3 dB @ 300 to 3000 Hz
Audio Output	1,000 mW @ 3% distortion
RADIO INCLUDES	
<ul style="list-style-type: none"> • 2-Tone, 5-Tone, DTMF & MDC1200 Signaling • Voice Recorder • Voice Annunciation • Emergency Alarm • Password Protection • AMBE3000™ Vocoder • Tone Styles • Remote Enable/Disable 	

Accessories



Multi-Unit Rapid-Rate Charger
CHU6 PKG



Stubby Antenna
ANH200U-3 – UHF
ANH200V-3 – VHF



Medium Duty, Remote Speaker Microphone
SM220-X03S



Heavy Duty, Remote Speaker Microphone
SM310-X03S



One Wire, In-Ear Surveillance Kit
SK11NE-X03S



Two Wire, In-Ear Surveillance Kit
SK21NE-X03S



One Wire, D-Loop Surveillance Kit
SK11DL-X03S



Heavy Duty, Behind The Head Headset
HS71NR



Heavy Duty, Over The Head Headset
HS61NR



Nylon Holsters
HN200FC/SC/FL/SL
HN300FC/SC/FL/SL



Leather Holsters
HL200FC/SC/FL/SL
HL300FC/SC/FL/SL



One Wire, Ear-Hook Surveillance Kit
SK11EH-X03S