



PROFESSIONAL DIGITAL RADIO PRODUCTS SERIES



RDR2325 UHF / VHF





WORKS WITH YOUR CURRENT DMR RADIOS!



Cost-Effective DMR Digital Portable Two-Way Radio

Compact, versatile and cost-effective, the RDR2325 / RDR2385 radios are completely compatible with any other DMR Digital radio on the market. They operate in both digital and analog modes, delivering clear and loud communication. RDR2385 comes with a display and full keypad and with it's 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 RDR2325 / RDR2385 radios are the best choice for your communication needs.

RDR2325 / RDR2385 FEATURES

EXCEPTIONAL AUDIO QUALITY – The RDR2325 / RDR2385 radios completely eliminate background noise and static from voice transmissions, delivering a crystal clear message compared to analog radios.

ANALOG + DIGITAL OPERATION – Capable of operating in both analog and digital modes, the RDR2325/RDR2385 radios are Digital DMR Tier II, and offer Digital DMR based Prodigi Plus™ Trunking.



Compact, lightweight design, making the RDR2325 / RDR2385 very comfortable and easy to use through a long work shift.

POWER IS PERFORMANCE - The RDR2325 /

RDR2385 radios are designed to conserve battery power reducing the power consumption by 40% compared to analog radios. This extends the radio's operating time, enabling your employees to stay connected for up to 13 hours of regular usage. It eliminates 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.

VOICE ANNUNCIATION – Announces channel number when channel is changed.

INDUSTRY LEADING WARRANTY – Backed by a Three (3) Year Warranty.









RDR2325

RDR2385

- (1) 2 Programmable Side Buttons Place your favorite features at your fingertips.
- 2) PTT Button Push To Talk Button.
- **3 6" Antenna** Provides best radio coverage.
- **32** / **1000** Channels Plenty of choices for specific assignments.
- **5** Programmable Top Emergency Button
 Activates emergency signal or can be programmed to make it easy to use your favorite feature.
- **6** On/Off and Analog/Digital Audio Clear, crisp audio that's 50% louder than Motorola's HT750.
- (7) Two Prong Right Angle Connector Compatible with Motorola CP200/CP200d accessories.
- (8) Display 16 character, dot matrix. (RDR2385 only)
- (9) Keypad/Menue Keys 12 alpha/numeric/3 menu keys. (RDR2385 only)



RDR2325 / RDR2385 SPECIFICATIONS

GENERAL				
Frequency Bands	VHF: 136-174MHz, UHF: 400-470MHz			
Dimensions	4.5" x 1.3" x 2.1"/ 113mm x 54mm x 33.5mm			
Weight	9.5 ounces (270g) with 2000 mAh battery			
Battery	Supplied 7.4V 200 14.8 Wh		00mAh Lithium Ion Battery:	
	Upgrade 7.4V 2400mAh Lithium-lon Battery: 17.76 Wh			
Channels	32 (RDR2325) / 1,000 (RDR2385)			
Frequency Stability	± 0.5 ppm (typical)			
Display	102 x 64 pixels (RDR2385 only)			
Switching Bandwidth	Full band			
Modulation	Pre-emphasized FM, C4FM			
Environmental Protection	IP65 (Water Resistant/Dust Proof)			
Environmental	MIL-S1	TD-810 F	Method	Procedure
Standards	Low Pressure (Altitude), Storage		500.4	ı
	Low Pressure (Altitude), Operational		500.4	II
	High Temp, Storage		501.4	I
	High Temp, Operating		501.4	II
	Low Temp, Storage		502.4	I
	Low Temp, Operating		502.4	II
	Thermal Shock		503.4	I
	Solar Radiation		505.4	I(A2)
	Relative Humidity		507.4	
	Dust		510.4	I
	Sand		510.4	II
	General Vibration: Truck/trailer/tracked - restrained cargo		514.5	I Cat 24
	General Vibration: Minimum Integrity		514.5	I Cat 24
	Shock - Transit Drop		516.5	IV
Operating Temperature	-22°F (-30°C) - 140°F (60°C)			
Storage Temperature	(-40°C)^+80°C / (-40°F)^+176°			
Emission	Analog 8K02F3E, 9K52F3E, 10K0F3E, 11K0F3E			
Emission Designators	Digital		XW, 7K31FXD FXD/FXW, 7K	/FXW, 7K41FXD/ 72FXD/FXW

AHONS				
TRANSMITTER SPECI	IFICATION			
Power Output	0.5 - 5 W, 3 programmable levels			
Audio Distortion	<3% at 1 kHz, 60% deviation			
Channel Spacing	Analog 12.5KHz/25KHz			
	Digital 12.5KHz			
Conducted, Radiated Spurious Emission	-36dBm@<1GHz, -30dBm@>1GHz			
Adjacent Channel Power	-60dB@12.SKHz			
Audio Response	+1 dB to -3 dB			
FM Modulation Mode	12.SKHz : 11KOF3E			
4FSK Digital Mode	12.5KHz (data only): 7K60FXD 12.5KHz (data+ voice): 7K60FXE			
FSK Error	≤3%			
Modulation Maximum Deviation	2.5KHz@12.5KHz			
Idle Slot Power	-57dBm			
Audio Distortion	3% (Type)			
Digital Protocol	ETSI TS 102 361-1, -2, -3			
Vocoder Type	AMBE3000™			
Hum and Noise	>40 dB (12.5 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%)			
Adjacent Channel Selectivity	TIA603C: 65dB@12.SKHz ETSI: 60d8@12.SKHz			
Co-Channel Rejection	-8dB@12.5kHz			
Spurious Response Rejection	TIA603C : 75dB ETSI : 70dB			
Conducted Spurious Emission	- 57dBm@ < I GHz , - 47dBm @> IGHz			
Audio Output	1W			
Blocking	>95 dB at +/- 1 MHz			













ACCESSORIES



Light Duty Speaker Mic SM220-X03S



Heavy Duty Speaker Mic SM310-X03S



One-Wire Surveillance Kit In-Ear Style SK12NE-X03S



Two-Wire Surveillance Kit In-Ear Style SK22NE-X03S



Light Duty Behind the Head Headset HS12V-X03S



High Noise Headset Over the Head & **Behind the Head** HS65NR-X03S, HS75NR-X03S



Nylon & Leather Holsters HN200FC/SC/FL/SL HN300FC/SC/FL/SL HL200FC/SC/FL/SL HL300FC/SC/FL/SL



BC2300 Screw In Belt Clip



ANH200U/V-3 ANH200U/V-6



2000mAH Lithium-Ion **Battery** B2020LI



Single Unit Charger CH2001 PKG



Multi-Unit Rapid-Rate Charger CHU6 PKG - RDR2300 cup



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For Sales, Warranty and Customer Support please contact: