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 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.

RCACommunicationsSystems.com
# RDR2300 Series Specifications

## GENERAL

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Bands</td>
<td>136 - 174 MHz (VHF); 400 - 470 MHz (UHF)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>4.5&quot; x 1.3&quot; x 2.1&quot;/113mm x 54mm x 33.5mm</td>
</tr>
<tr>
<td>Weight</td>
<td>9.5 ounces (270g) with 1700 mAh battery</td>
</tr>
<tr>
<td>Battery</td>
<td>Li-ion 1700 mAh. Optional 2000 mAh</td>
</tr>
<tr>
<td>Battery Life</td>
<td>Approx. 14 hours, high transmit power 1700 mAh battery, 90:5:5 duty cycle</td>
</tr>
<tr>
<td>Channels</td>
<td>32 / 1,000</td>
</tr>
<tr>
<td>Frequency Stability</td>
<td>± 0.5 ppm (typical)</td>
</tr>
<tr>
<td>Environmental Protection</td>
<td>IP65 (Water Resistant/Dust Proof)</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-4°F (~-20°C) ~ 122°F (50°C)</td>
</tr>
</tbody>
</table>

## TRANSMITTER SPECIFICATION

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Output</td>
<td>1 W, 2 W, 4/5 W; 3 programmable levels</td>
</tr>
<tr>
<td>Audio Distortion</td>
<td>&lt;3%</td>
</tr>
<tr>
<td>Audio Frequency Response</td>
<td>+1 dB to -3 dB @ 300 to 3000 Hz</td>
</tr>
<tr>
<td>Hum and Noise</td>
<td>45 dB / -40 dB (25 kHz)</td>
</tr>
</tbody>
</table>

## RECEIVER SPECIFICATION

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analog Sensitivity</td>
<td>0.35 uV/-116 dBm (20 dB SINAD)</td>
</tr>
<tr>
<td>Digital Sensitivity</td>
<td>0.3 uV/-117.4 dBm (BER 5%)</td>
</tr>
<tr>
<td>Selectivity</td>
<td>60 dB (12.5 kHz); 70 dB (20/25 kHz)</td>
</tr>
<tr>
<td>Intermodulation</td>
<td>70 dB</td>
</tr>
<tr>
<td>Audio Frequency Response</td>
<td>+1 dB to -3 dB @ 300 to 3000 Hz</td>
</tr>
<tr>
<td>Audio Output</td>
<td>1,000 mW @ 3% distortion</td>
</tr>
</tbody>
</table>

## RADIO INCLUDES

- 2-Tone, 5-Tone, DTMF & MDC1200 Signaling • Voice Recorder
- Voice Annunciation • Emergency Alarm • Password Protection
- AMBE3000™ Vocoder • Tone Styles • Remote Enable/Disable

##アクセサリーズ

- **Multi-Unit Rapid-Rate Charger**
  - CHU6 PKG
- **Medium Duty, Remote Speaker Microphone**
  - SM220-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
- **One Wire, Ear-Hook Surveillance Kit**
  - SK11EH-X03S
- **Nylon Holsters**
  - HN200FC/SC/FL/SL
  - HN300FC/SC/FL/SL
- **Leather Holsters**
  - HL200FC/SC/FL/SL
  - HL300FC/SC/FL/SL
- **Stubby Antenna**
  - ANH200U-3 – UHF
  - ANH200V-3 – VHF
- **Heavy Duty, Remote Speaker Microphone**
  - SM310-X03S
- **Heavy Duty, Behind The Head Headset**
  - HS71NR
- **Heavy Duty, Over The Head Headset**
  - HS61NR

Authorized Worldwide Distributor:
Discount Two-Way Radio
555 W. Victoria St., Rancho Dominguez, CA 90220
Toll Free: (800) 895-5122 | Fax: (877) 291-9565
Email: info@dtwr.com
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