The Intelligent Choice for Digital Two-Way Communication

RDR2500 UHF / VHF
RDR2550 UHF / VHF
RDR2600 UHF / VHF

DIGITAL MOBILE RADIO ASSOCIATION
The RCA PRODIGI™ Radio Series is compatible with other DMR Digital radios on the market. Operational in both digital and analog modes, the PRODIGI™ Series delivers crystal clear, dependable communication. RDR2500, RDR2550 and RDR2600 are designed to be used in a wide range of applications. Industries such as manufacturing, warehousing, construction, security, hotels and schools all benefit from its basic push to talk functionality and advanced emergency features.

RDR2500 / RDR2550 / RDR2600 Features

Simple and Reliable Digital Two-Way Communication The RDR2000 series is the newest addition to the PRODIGI™ line of Professional DMR Digital Radios. Simple and cost-effective, the RCA digital radios are designed to connect your workforce efficiently and provide you with reliable communication allowing you focus on growing your business.

Cross-Band Compatibility Designed strictly according to the Digital DMR ETSI Standard TS 102 361-1,-2,-3, the RDR2000 Series portable radios are compatible with all RCA two-way radios as well as all other major brands, including digital equipment, such as the Motorola MotoTrbo™ and Vertex eVerge™ series two-way radios and repeaters.

Upgrade To Digital At Your Own Speed Analog and Digital operation will give you the flexibility to upgrade to Digital at your own speed, without sacrificing safety and keeping your business operations running smoothly during the transition period.

Reliability, Safety, and Productivity First The RDR2000 series provides a reliable, cost-effective communication solution with a simple, user-friendly operation that will help your employees connect, collaborate and coordinate in real time to get their job done safely and more efficiently.

Full Shift Performance Designed to be power efficient. When working in digital mode, the battery power consumption is lowered up to 40%, providing longer operating time which ensures that your employees will stay connected beyond a full working shift. The standard 1800mAh Lithium Ion battery provides up to 10 hours of operation in Analog mode and up to 14 hours of operation in Digital mode.

True Operational Versatility The RDR2000 series radios come in three different models, the standard no display RDR2500 unit; the upgraded RDR2550 equipped with 16 character display and industry leading 7 programmable function buttons and the advanced RDR2600 unit equipped with 16 character display and full keypad. Different departments, work crews, managers and employees can choose to use the best model for their needs, taking advantage of advanced features such as Caller ID, Group and Private Call, Radio Check, Radio Enable/Disable, Emergency and Lone Worker Alerts, Text Messaging and many more.

Crystal Clear Audio Quality, Improved Coverage Designed with X-Sound+ HD™ for exceptional voice quality. The RDR2000 series radios provide loud 1 Watt of power audio, at the same time eliminating background noise and static from the voice transmissions and delivering crystal clear voice message which results in a better, improved radio coverage.

Industry Leading Warranty The RDR2000 series radios are backed by an industry leading, hassle-free, Three (3) Year Warranty.
RDR2500 / RDR2550 / RDR2600 SPECIFICATIONS

### Features & Options
- 4 Programmable Keys (RDR2500 / RDR2600)
- 9 Programmable Keys (RDR2550)
- Limited Keypad (RDR2500)
- Full Keypad (RDR2600)
- 16-Character Alphanumeric Display (RDR2600)
- LED Indicator
- Voice Channel Announce (RDR2500)
- RSSI Indicator (RDR2550 / RDR2600)
- DTMF PAGING (RDR2600)
- Battery Level Indicator
- CTCSS/DCS Encode/Decode
- DTMF Encode
- DTMF Encode / Decode (RDR2550 / RDR2600)
- VOX - Voice Activated Transmission
- Scan
- Channel Activity Monitor
- Voice Channel Announce (RDR2500)
- Alert Tones On/Off
- RPT / Talkaround
- Meets IP Standard IP54
- Meets MIL-STD 810 C,D,E,F,G

### Digital Mode Specific Features
- Contact List for Up to 1,000 Records (RDR2550 / RDR2600)
- All Call, Group Call, Private Call (RDR2550 / RDR2600)
- Manual Private Call Dial (RDR2600)
- PTT ID Encode (RDR2500)
- PTT ID Encode/Decode (RDR2550 / RDR2600)
- Privacy Voice Encryption
- Radio Check
- Radio Kill / Active
- Remote Radio Monitor
- Emergency Alert
- Lone Worker Alert
- Pre-Saved (Quick)Text Messaging
- Free Text Messaging (RDR2600)
- Mixed Mode (Analog / Digital) Scan
- Priority Scan
- One Touch Access
- Keypad Lock (RDR2600)

### GENERAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>RDR2500™ / RDR2550™ / RDR2600™</th>
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<tbody>
<tr>
<td>Channel Numbers</td>
<td>32 / 1000 / 1000</td>
</tr>
<tr>
<td>Channel Spacing</td>
<td>Digital: 12.5KHz / Analog: 12.5KHz/25KHz</td>
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<tr>
<td>Working Voltage</td>
<td>DC 7.4V</td>
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<tr>
<td>Frequency</td>
<td>VHF: 136-174MHz / UHF: 400-470MHz / UHF: 450-512MHz</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>(-20°C)<del>+50°C / (-4°F)</del>+122°F</td>
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<tr>
<td>Storage Temperature</td>
<td>(-40°C)<del>+80°C / (-40°F)</del>+176°F</td>
</tr>
<tr>
<td>Weight</td>
<td>318g / 0.7 lb. (with battery B2618LI)</td>
</tr>
<tr>
<td>Size: HxWxD (inches)</td>
<td>5.3” x 2.3” x 1.3” (without antenna)</td>
</tr>
<tr>
<td>Waterproof Level</td>
<td>IP54 Dust and Water Resistant</td>
</tr>
<tr>
<td>Battery</td>
<td>Supplied 7.4V 1800mAh Lithium-Ion Battery; 13.32 Wh</td>
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<tr>
<td>Upgrade</td>
<td>7.4V 2300mAh Lithium-Ion Battery; 17.02 Wh</td>
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### RECEIVER

- Frequency Stability ± 1.0 ppm
- Analog Sensitivity 0.22µV / -120dBm (12dB SINAD)
- Digital Sensitivity 0.2uV/-121dBm (BER 5%)
- Intermodulation 60dB
- Adjacent Channel Selectivity 65dB@12.5KHz
- Co-Channel Rejection 12dB@12.5KHz
- Spurious Response Rejection 70dB
- Receive Spurious Radiation -57dBm@<1GHz, -47dBm@>1GHz
- Block 84dB
- Rated Audio Power 1W @16 Ohms
- Rated Audio Distortion ≤3%

### TRANSMITTER

- Transmit Power 5W
- FM Noise -40dB@12.5KHz
- Intermodulation 60dB
- Transmit Spurious Radiation -36dBm@<1GHz, -30dBm@>1GHz
- Adjacent Channel Power -60dB@12.5KHz
- Modulation Limit 2.5KHz@12.5KHz
- Idle Slot Power -57dBm
- Audio Response +1dB---(-3)dB
- Rated Audio Distortion ≤3%
- FSK Error ≤3%
- Emission Designator (Analog) 16K0F3E / 11K0F3E

### 4FSK Digital Modulation
- 12.5KHz Data: 7K60F1D & 7K60FXD
- 12.5KHz Voice: 7K60F1E & 7K60FXE
- Combination of 12.5 KHz Voice and Data: 7K60F1W

For more information, visit www.RCACommunicationsSystems.com
ACCESSORIES & OPTIONS

Medium Duty Speaker Mic
SM220-X03S

Heavy Duty Speaker Mic
SM310-X03S
(Bluetooth option available)

One-Wire Surveillance Kit
D-Loop Style
SK11DL-X03S

One-Wire Surveillance Kit
Ear Hook Style
SK11EH-X03S
(Bluetooth option available)

One-Wire Surveillance Kit
In-Ear Style
SK11NE-X03S
(Bluetooth option available)

Two-Wire Surveillance Kit
In-Ear Style
SK21NE-X03S
(Bluetooth option available)

Light Duty Behind the Head Headset
HS11V-X03S

Heavy Duty Behind the Head Headset
HS61NR-X03S, HS71NR-X03S
(Bluetooth option available)

Nylon Holsters
For RDR2500 / RDR2550 / RDR2600

Leather Holsters
For RDR2500 / RDR2550 / RDR2600

Battery Upgrade
B2623LI
Lithium-Ion
7.4V 2300mAh 17.02 Wh

6 Bank Charger
CHU6

For more information, visit
www.RCACommunicationsSystems.com
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