



**RCA**  
Communications Systems

**prodigi<sup>®</sup> SERIES**  
PROFESSIONAL DIGITAL RADIO PRODUCTS



**RDR2750 UHF / VHF**  
Digital Radio Base Station



**The Intelligent Choice for  
Digital Two-Way Communication**



**VERSATILE & AFFORDABLE!**

**prodigi**<sup>®</sup>  
PROFESSIONAL DIGITAL RADIO PRODUCTS

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. The RDR2750 is a versatile compact base station, designed to sit on a desk or mount to a wall, allowing for usage in a wide range of business applications. Industries such as manufacturing, warehousing, security, hotels and schools all benefit from its basic push to talk functionality and advanced emergency features.

## RDR2750 FEATURES

**Durable and Versatile Design** The RCA RDR2750 is a commercial-grade two-way radio base station with durable metal housing, designed to sit on an office desk or be mounted to a wall or other flat surface. The base station comes equipped with a 16 character display, navigation buttons, programmable function buttons, built-in PTT or options for external desktop mic, palm mic, speaker mic or a headset.

**Simple, Reliable Communication** The RCA RDR2750 base station 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 to focus on growing your business.

**Cross-Band Compatibility** Designed strictly according to the Digital DMR ETSI Standard TS 102 361-1,-2,-3, the RDR2750 is compatible with all RCA two-way radios as well as all other major brands.

**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 RDR2750 base station 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.

**Advanced Features at Your Fingertips** 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.

**Clear and Loud Audio** Designed with X-Sound+ HD™ for exceptional voice quality, the RDR2750 digital base station's large internal speaker provides 2.5 Watts of loud and clear audio.

**Industry Leading Warranty** The RDR2750 base station radio is backed by an industry leading, hassle-free, Two (2) Year Warranty.



**SELECTALK™**  
PRIVATE AND GROUP CALLING

**2 YEAR**  
**WARRANTY**  
PROTECTION PROGRAM

**DMR**  
DIGITAL MOBILE RADIO ASSOCIATION

**ENHANCED**  
**EMERGENCY**  
& **SAFETY**  
**FEATURES**

**X-SOUND+HD**  
Enhanced Audio Clarity™



## RDR2750 SPECIFICATIONS

### Features & Options

- Loud Internal Speaker
- 2 Programmable Keys
- Navigation Keys
- LED Indication
- 16-Character Alphanumeric Display
- RSSI Indicator
- CTCSS/DCS Encode/Decode
- DTMF Encode / Decode
- Scan
- Mixed Mode (Analog / Digital) Scan
- Priority Scan
- Channel Activity Monitor
- Alert Tones On/Off
- RPT / Talkaround
- Detachable 90° BNC Antenna
- Desktop or Palm Mic Option\*
- Speaker Mic or Headset Option\*
- Desktop and Wall Mount Options
- Swivel Desktop Bracket
- IP54 Rating
- Designed to meet MIL-STD 810 C,D,E,F,G

### Digital Mode Specific Features

- Contact List for Up to 1,000 Records
- All Call, Group Call, Private Call
- Manual Private Call Dial
- PTT ID Encode/Decode
- Basic Encryption
- Advanced Encryption Option\*
- Radio Check
- Radio Enable / Disable
- Remote Radio Monitor
- Emergency Alert
- Lone Worker Alert
- Direct Mode Operation (DMO)
- Pre-Saved (Quick)Text Messaging
- One Touch Access

\* Optional Features/Accessories

GENERAL SPECIFICATIONS	
<b>Model</b>	RDR2750
<b>Channel Numbers</b>	1000
<b>Channel Spacing</b>	Digital: 12.5KHz / Analog: 12.5KHz / 25KHz
<b>Working Voltage</b>	DC 12V
<b>Frequency</b>	UHF: 400-470Mhz
<b>Weight</b>	620gr. / 1.35lbs (mounting bracket included)
<b>Size: HxWxD (inches)</b>	44.2x104x142.3 (mm.) / 1.75x4.1x5.6 (in.)
<b>Power</b>	100-240V to 12V Power Supply
RECEIVER	
<b>Analog Sensitivity</b>	0.22 $\mu$ V / -120dBm (12dB SINAD)
<b>Digital Sensitivity</b>	0.3uV/-117.4dBm (BER 5%)
<b>Intermodulation</b>	60dB
<b>Adjacent Channel Selectivity</b>	60dB@12.5KHz
<b>Co-Channel Rejection</b>	12dB@12.5KHz
<b>Spurious Response Rejection</b>	70dB
<b>Receive Spurious Radiation</b>	-57dBm@<1GHZ -47dBm@>1GHZ
<b>Block</b>	84dB
<b>Rated Audio Power</b>	2.5W @ 8 Ohms (Internal) / 1.25W @16 Ohms
<b>Rated Audio Distortion</b>	$\leq$ 3%
TRANSMITTER	
<b>Frequency Stability</b>	$\pm$ 1.0 ppm
<b>Transmit Power</b>	High: 5W / Low: 2W
<b>FM Noise</b>	40dB@12.5KHz
<b>Intermodulation</b>	60dB
<b>Transmit Spurious Radiation</b>	-36dBm@<1GHZ, -30dBm@>1GHZ
<b>Adjacent Channel Power</b>	-60dB@12.5KHz
<b>Modulation Limit</b>	2.5KHz@12.5KHz
<b>Idle Slot Power</b>	-57dBm
<b>Audio Response</b>	+1dB~-3dB
<b>Rated Audio Distortion</b>	$\leq$ 3%
<b>FSK Error</b>	$\leq$ 3%
<b>Emission Designator</b>	<b>Analog</b> 12.5KHz: 11K0F3E; 25KHz: 16K0F3E; <b>4FSK Digital</b> 12.5KHz: 7K60F1D; 7K60F1E;
ENVIRONMENTAL SPECIFICATIONS	
<b>Operation temperature/ Storage temperature</b>	(-20°C) $\sim$ +50°C / (-4°F) $\sim$ +122°F / (-40°C) $\sim$ +80°C / (-40°F) $\sim$ +176°F
<b>Designed to meet Environmental Test Standard for Temperature, Fall, Vibration</b>	MIL-STD-810 C; D; E; F; G
<b>IP Rating</b>	IP54 Dust and Water Resistant

# ACCESSORIES & OPTIONS



**Mobile Microphone**  
MM301HD



**Heavy Duty Speaker Mic**  
SM310-X03S



**Medium Duty Speaker Mic**  
SM220-X03S



**Light Duty Behind the Head Headset**  
HS12-X03S



**High Noise Over the Head Headset**  
HS65NR-X03S



**High Noise Behind the Head Headset**  
HS75NR-X03S



**Desktop Microphone**  
DM350HD



**Mounting Bracket**  
MB2750SCK



**Antenna**  
ANB2750 V/U



**Universal Mobile Antenna Mount**  
G8PI



**Mobile Antenna**  
QW450



**Mobile Antenna**  
QW150

## Authorized Dealer:

Advanced Radio Systems  
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Doral, FL. 33172

305-884-1795 [www.MyRadioMall.com](http://www.MyRadioMall.com)



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