



**RCA**  
Communications Systems



# **BR250 SERIES**

## **BR250 UHF**

## **BR250 VHF**

**Durable & Compact**  
**Professional Two-Way Radios**

## WORKS WITH YOUR CURRENT RADIOS!

RCA's BR250 provides reliable communication at a price that can't be beat. The BR250 is a powerful commercial radio that can cover multiple floors in a multistory building and/or long distances in open areas.

The BR250 uses a lightweight lithium battery that will last over 12 hours on a single charge and it has 16 separate channels so you can assign channels to specific departments or groups. Noisy environments are no problem due to large 800mW speaker and it's XSound™ enhanced audio technology.

The BR250 meets the Military Specs (MIL-STD-810C/D/E/F) for durability, shock, extreme temperatures, vibration, dust, moisture and comes standard with a 3 year platinum warranty.

## BR250 FEATURES

**GUARANTEED Compatibility** with your existing two-way radios, regardless of the brand and model.

**4W UHF or 5W VHF** delivering reliable communications range that can cover multiple floors in a multistory building and/or long distances in open areas.

**16 Channels** giving you the option to designate channels to specific departments or groups.

**Lightweight, High Capacity Battery** 2000mAh that will last over 12 hours on a single charge.

**Durable and Reliable** the BR250 meets Military Specs (MIL-STD-810C/D/E/F) for durability, shock, extreme temperatures, vibration, dust, and moisture.

**Compact and Lightweight Size** makes it easy to use and comfortable to carry around all day.

**X-Sound™ Enhanced Audio** delivering crisp and loud voice transmissions even in noisy environments.

**Advanced Digital Coded Squelch** prevents unwanted conversations on the same frequency.

**Repeater Mode** allows for the radio to be used in conjunction with repeaters for extending the communication coverage area.

**Channel Scanning** feature allowing the radio to continuously scan pre-selected channels for activity. When activity is detected, the radio automatically stops on the channel so you can hear and respond to the transmission.



**Channel Monitor** enables users to monitor channel activity.

**Busy Channel Lockout** prevents users from transmitting on a channel with an ongoing transmission until the current transmission has been completed.

**Voice Operated Transmit (VOX)** enables a hands-free radio operation when using optional VOX capable audio accessories.

**Battery Save Mode** automatically reduces battery consumption when there is no radio activity for an extended period of time.

**3 Year Platinum Warranty** – Industry leading, hassle free warranty.



## BR250 SPECIFICATIONS

GENERAL SPECIFICATIONS	
<b>Frequency Range (UHF / VHF)</b>	UHF: 400-420 MHz, 440-470 MHz, 450-470 MHz, 470-490 MHz VHF: 136-174 MHz
<b>Channel Capacity</b>	16
<b>Channel Spacing</b>	25/12.5 KHz
<b>Operating Voltage</b>	7.5V
<b>Battery</b>	2000mAh Lithium-Ion
<b>Battery Life (5-5-90 Duty Cycle)</b>	Up to 12 hours
<b>Frequency Stability</b>	±2.5ppm
<b>Operating Temperature</b>	-20°C~+50°C
<b>Size: HxWxD (with battery, without antenna)</b>	4.9" x 2.2" x 1.3" 117mm x 54mm x 31mm
<b>Weight (with antenna &amp; battery)</b>	11.5 oz (326 g)
<b>RF Power Output (UHF / VHF)</b>	UHF: 4W/2W / VHF: 5W/2W
<b>Modulation</b>	F3E
<b>Spurious and Harmonics</b>	-36dBm < 1GHz / -30dBm > 1GHz
<b>FM Noise</b>	45/34dB
<b>Audio Distortion</b>	≤5%
<b>Sensitivity</b>	0.25/0.28μV
<b>Selectivity</b>	70/60dB
<b>Intermodulation</b>	≥60dB
<b>Spurious Response Rejection</b>	≥70dB
<b>S/N</b>	45/40dB
<b>Rated Audio Power Output</b>	800mW
<b>Rated Audio Distortion</b>	≤5%

Specifications are tested according to TIA / EIA-603 and subject to change without notice due to continuous development.



For more information, visit [www.RCACommunicationsSystems.com](http://www.RCACommunicationsSystems.com)



# RCA ACCESSORIES & OPTIONS



**Stubby Antenna**  
ANH250U-3 – UHF  
ANH250V-3 – VHF



**Multi-Unit  
Rapid-Rate Charger**  
CH250R6



**Medium Duty,  
Remote Speaker  
Microphone**  
SM220-X03S



**Heavy Duty, Remote  
Speaker Microphone**  
SM310-X03S



**Two Wire, In-Ear  
Surveillance Kit**  
SK22NE-X03S



**One Wire, Ear-Hook  
Surveillance Kit**  
SK11EH-X03S



**Lightweight  
Over-the-Head Headset  
with In-line PTT**  
HS21V-X03S



**Heavy Duty,  
Over-the-Head  
Headset**  
HS61NR-X03S



**Heavy Duty,  
Behind-the-Head  
Headset**  
HS71NR-X03S



**Nylon Holster  
(Fixed or Swivel Clip)**  
HN250FC/SC/FL/SL



**Leather Holster  
(Fixed or Swivel Clip)**  
HL250FC/SC/FL/SL



**Waterproof Bag**  
HNWATPROOF

For details on these and other RCA accessories, visit [www.RCACommunicationsSystems.com](http://www.RCACommunicationsSystems.com).



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[www.RCACommunicationsSystems.com](http://www.RCACommunicationsSystems.com)

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