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Complete User Manual at: [RCACommunicationsSystems.com](http://RCACommunicationsSystems.com)



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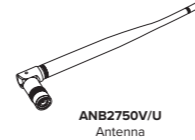


# RDR2750 Digital Base Station Radio

What's Included:



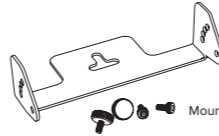
RDR2750 Base Station Radio



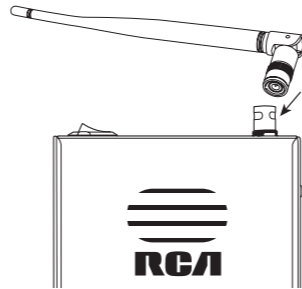
ANB2750V/U Antenna



PS2750 Power Supply



MB2750KIT Mounting Bracket Screw Kit



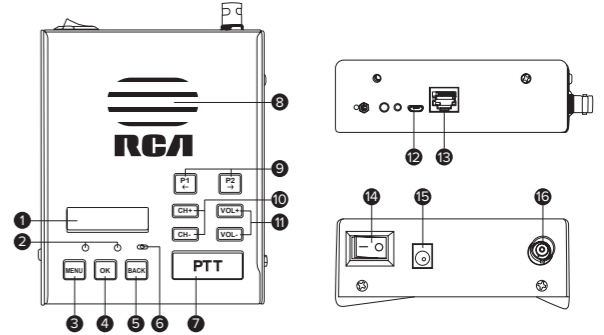
Attaching / Removing the Antenna:

1. With the base station turned off, set the antenna in the antenna connector and turn clockwise to secure it.
2. To remove the antenna, turn the base station off and turn the antenna counterclockwise.

Complete User Manual at: [RCACommunicationsSystems.com](http://RCACommunicationsSystems.com)

## QUICK START GUIDE

### RCA RDR2750 Base Station Overview



- |                       |                                  |                             |
|-----------------------|----------------------------------|-----------------------------|
| 1 LCD Display         | 7 Push-To-Talk Button            | 13 External Microphone Jack |
| 2 LED Indicators      | 8 Internal Speaker               | 14 Power On / Off Switch    |
| 3 Menu Button         | 9 P1 / P2 Buttons (Programmable) | 15 Power Supply Connector   |
| 4 Ok Button           | 10 Channel Up / Down Buttons     | 16 Antenna Connector        |
| 5 Back Button         | 11 Volume Up / Down Buttons      |                             |
| 6 Internal Microphone | 12 Programming Cable Port        |                             |

**Note:** The frequency band of your RDR2750 is marked on the radio label. If it is not visible, identify the frequency band according to the color code ring on the antenna: red indicates UHF 400-430 Mhz, orange indicates UHF 440-470 Mhz, purple indicates VHF 136-174 Mhz.

**Setting Up Your Base Station:****Connecting the Base Station to Power Outlet**

1. Plug the adapter's AC connector into the AC outlet socket. (see image A)
2. Plug the adapter's DC connector into the DC socket on the back of the base station. (see image B)

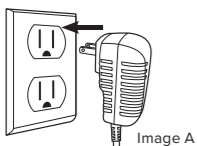


Image A



Image B

**Turn On/Off the Base Station**

The base station can be turned On/Off by using the power switch.

**Note:** There is no power up tone if the radio tones/alerts function is disabled. If your base station does not power up, check your connection to the power source. Make sure that power cord is properly attached. If your base station still does not power up, contact your RCA Communications Systems dealer.

**Adjusting the Volume**

To increase the volume, press the ( **VOL+** ) button. To decrease the volume, press the ( **VOL-** ) button.

**Programmable Buttons**

Your RCA Communications Systems Dealer can program the programmable buttons as shortcuts to radio functions or preset channels/groups depending on the duration of a button press:

**Short Press** - Press and release quickly.

**Long Press** - Press and hold for the programmed duration (between 1 seconds and 3.75 seconds).

The Programmable Functions are:		
All Alert Tones On/Off	One Touch Access 4	One Touch Access 1
Emergency On	One Touch Access 5	One Touch Access 2
Emergency Off	One Touch Access 6	One Touch Access 3
Nuisance Delete	Repeater/Talkaround	Encryption On/Off
High/Low Transmit Power	Scan On/Off	Lone Worker On/Off
Monitor On/Off	Tight/Normal Squelch	

**All Alert Tones On/Off** - Toggles all tones and alerts on or off

**Emergency On** - Initiates an emergency alarm or call.

**Emergency Off** - Cancels an emergency alarm or call.

**Nuisance Delete** - Temporarily removes an unwanted channel, except for the Selected Channel, from the scan list. The Selected Channel refers to the user's selected zone/channel combination from which scan is initiated.

**High/Low Transmit Power** - Toggles transmit power level between high and low.

**Monitor On/Off** - Monitors a selected channel for activity.

**One Touch Access** - Directly initiates a predefined Private or Group Call, a Call Alert or a Quick Text message.

**Scan On/Off** - Toggles scan on or off. Tight/Normal Squelch - Toggles squelch level between tight and normal squelch levels.

Privacy On/Off - Toggles privacy (basic voice encryption) on or off.

**Lone Worker On/Off** - Toggles Lone Worker feature On or Off, on per channel basis.

**Push-To-Talk (PTT) Button**

The PTT button on the side of the radio has two main functions:

- Press and hold down PTT button to initiate and call and talk. Release the PTT button to listen. The microphone is activated when the PTT button is pressed.
- If a call is in progress, the PTT button allows the radio to transmit to the other radios that are part of the call.

**Note:** If the Talk Permit Tone is enabled, wait until the short alert tone ends before talking.

During a call, if the Channel Free Indication feature is enabled on your radio (programmed by your RCA Communications Systems Dealer), you will hear a short alert tone the moment the target radio (the radio that is receiving your call) releases the PTT button, indicating the channel is free for you to respond. You will also hear the Channel Free Indication tone if your call is interrupted, for example when the radio receives an Emergency Call.

You can access various radio functions through one of the following ways: A short or long press of the relevant programmable buttons.

Or

1. To access the menu, press the **Menu** button. Press the appropriate **P1** or **P2** button to access the menu functions.

2. To select a function or enter a sub-menu, press the **OK** button.

3. To go back one menu level, or to return to the previous screen, press the **Back** button.

**Note:** Your radio automatically exits the menu after a period of inactivity and returns to your Home screen.

**Operational Status Indicators**

Your radio indicates its operational status through the following:

- Display Icons
- Call Icons
- Sent Item Icons
- LED Indicator
- Audio Tones

**LED indicator**

LED Indication	Radio Status
Blinking Red	Radio is scanning, receiving an emergency transmission or has failed the self-test upon powering up.
Solid Red	Radio is transmitting.
Blinking Green	Radio is powering up.
Solid Green	Radio is receiving or carrier is present/busy channel.
Rapidly Blinking Green	Radio is receiving a privacy-enabled call or data.

**Note:** When the LED is solid green, it indicates the radio detects activity over the air. Due to the nature of the digital protocol, this activity may or may not affect the radio's programmed channel.

**Audio Tones**

Alert tones provide you with audible indications of the radio's status or the radio's response to data received.

**Continuous Tone** - A monotone sound. Sounds continuously until termination.

**Periodic Tone** - Sounds periodically depending on the duration set by the radio.

**Repetitive Tone** - A single tone that repeats itself until it is terminated by the user.

**Momentary Tone** - Sounds only once for a short period of time defined by the radio.

**Display Icons**

The LCD display shows radio status, text entries, and menu entries. The following are icons that appear on the radio's display.

	<b>Received Signal Strength Indicator (RSSI)</b>	The number of bars displayed represents the radio signal strength and is only displayed while the radio is in receiving mode.
	<b>Monitor</b>	Selected channel is being monitored.
	<b>Power Level</b>	Radio is set at Low power. Radio is set at High power.
	<b>Tones Disable</b>	Radio tones are turned off.
	<b>Scan</b>	Scan feature is enabled.
	<b>Priority Scan</b>	Radio detects activity on channel/group designated as Priority 1 (if • is blinking) or Priority 2 (if • is steady)
	<b>Unread Message</b>	The Radio has unread message(s) in the inbox.
	<b>Inbox Full</b>	The radio's inbox is full.
	<b>Emergency</b>	Radio is in Emergency mode.
	<b>Encryption</b>	The Encryption feature is enabled.
	<b>Talkaround</b>	The radio is currently configured for direct radio to radio communication.
	<b>Private Call</b>	Indicates a Private Call in progress. In the Contacts list, it indicates a subscriber alias (name) or ID (number).
	<b>Group Call / All Call</b>	Indicates a Group Call or All Call in progress. In the Contacts list, it indicates a group alias (name) or ID (number).
	<b>Sent Successfully</b>	The text message is sent successfully.
	<b>Send Failed</b>	The text message cannot be sent.
	<b>In-Progress</b>	The text message to a group alias or ID is pending transmission.