

Notes:

Complete User Manual at: RCACommunicationsSystems.com



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RDR2750 Digital Base Station Radio

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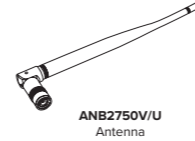
QUICK START GUIDE

RCA RDR2750 Base Station Overview

What's Included:



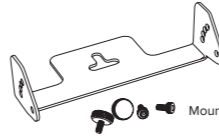
RDR2750 Base Station Radio



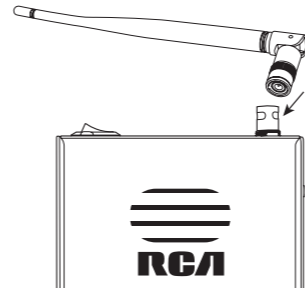
ANB2750V/U Antenna



PS2750 Power Supply

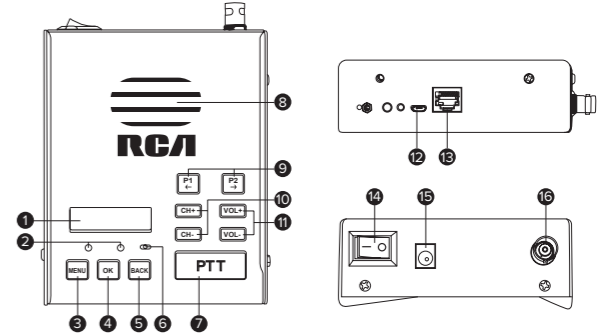


MB2750KIT Mounting Bracket Screw Kit



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.



- | | | |
|-----------------------|----------------------------------|-----------------------------|
| 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)

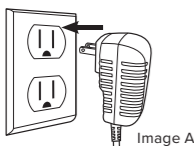


Image A



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.

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

RF Exposure / Compliance Information



FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

ISED Compliance statement

This device complies with ISED license-exempt RSS standard(s). Operation is subject to the following two conditions:

1. this device may not cause interference, and
2. this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. l'appareil ne doit pas produire de brouillage, et
2. l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en

WARNING: Under ISED regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by ISED. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication. The transmitter antenna gain shall not exceed 2.5 dBi.

FRENCH: Conformément à la réglementation d'ISED, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par ISED. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

Please refer to the following websites for more information on what RF energy exposure is and how to control your exposure to assure compliance with established RF exposure limits. <http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf01904.html> http://www.ic.gc.ca/eic/site/ceb-bhst.nsf/eng/h_tt00080.html

Important Safety Information

Attention: This radio is restricted to Occupational use only. Before using the radio, read the RF Energy Exposures and Product Safety Guide for Land Mobile Two-Way Radios which contains important operating instructions for safe usage and RF energy awareness and control for Compliance with applicable standards and Regulations.

RF Energy Exposure Awareness and Control Information and Operational Instructions for Occupational Use

NOTICE: This radio is intended for use in occupational/controlled conditions where users have full knowledge of their exposure and can exercise control over their exposure to meet the occupational limits in FCC and International standards. This radio device is NOT authorized for general population consumer use.

RF Exposure Compliance and Control Guidelines and Operating Instructions

To control your exposure and ensure compliance with the occupational/controlled environment exposure limits always adhere to the following procedures.

Guidelines:

- Do not remove the RF Exposure Label from the device.
- User awareness instructions should accompany device when transferred to other users.
- Do not use this device if the operational requirements described herein are not met.

Operating Instructions:

- This equipment complies with FCC / ISED radiation exposure limits set forth for a controlled environment. This equipment should be installed and operated with minimum distance 25cm between the antenna and your body.
- This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- Transmit no more than the rated duty factor of 50% of the time. To transmit (talk), push the Push-To-Talk (PTT) button. To receive calls, release the PTT button. Transmitting 50% of the time, or less, is important because this radio generates measurable RF energy exposure only when transmitting (in terms of measuring for standards compliance).
- DO NOT hold the antenna when the radio is transmitting.
- DO NOT use any radio that has a damaged antenna. If a damaged antenna comes into contact with your skin, a minor burn can result.

To ensure continued compliance with applicable RF exposure limits, use only RCA Communications Systems approved, supplied or replacement antennas, and accessories. For a list of RCA approved accessories please refer to your user manual or visit www.rccommunicationssystem.com.

EXPOSURE RF compliance et Lignes de contrôle et Instructions opérationnelles

Pour contrôler votre exposition et assurer la conformité avec le milieu ambiant, il est toujours nécessaire de suivre les procédures suivies.

Taliban:

- On ne peut pas enlever le Label RF de ce dispositif.
- L'utilisateur doit utiliser le dispositif de référence pour les autres utilisateurs.
- Il ne faut pas utiliser cet appareil pour les besoins opérationnels.

Description des opérations:

- L'appareil est conforme aux limites d'exposition aux rayonnements spécifiées par la FCC/ ISED pour les environnements contrôlé. La distance entre le radiateur et le corps doit être d'au moins 25 cm lors de l'installation et du fonctionnement de l'appareil.
- Cet émetteur ne doit pas coexister ou fonctionner conjointement avec toute autre antenne ou émetteur.
- La transmission ne dépasse pas 50% de la valeur nominale. Pour téléphoner (appel), appuyez sur le bouton "Push – To– Talk" (PTT). Pour recevoir un appel, libère le bouton du PTT. La réduction de 50 % du temps, ou moins, est importante, étant donné que cette radio a été exposée à la seule fois que la radioactivité de la radioactivité a été utilisée en tant que mesure de conformité.
- NE TENEZ PAS l'antenne entre vos doigts pendant que la radio émet.
- N'UTILISEZ PAS une radio portative, quelle qu'elle soit, dont l'antenne est endommagée. Si une antenne endommagée entre en contact avec votre peau, il peut en résulter une brûlure légère.

Pour assurer la conformité continue avec les limites d'exposition aux RF applicables, utilisez uniquement les antennes, et les accessoires de remplacement ou fournis et approuvés par RCA Communications Systems. Pour obtenir une liste des accessoires approuvés par Motorola Solutions, veuillez consulter votre manuel ou visitez le site www.rccommunicationssystem.com.