

www.rcacommunicationssystems.com products@rcacommunicationssystems.com (877) 822-2915

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RDR42x0 Professional **Digital Two-Way Radios**

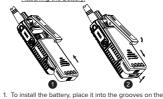


Attaching the Antenna:



Screw the antenna into the connector at the top of the radio by holding the bottom of the antenna and turn it clockwise until secure.

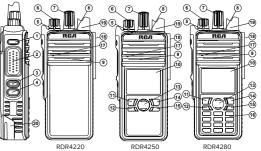
Attaching the Battery



- radio chassis. If the radio belt clip is installed, press the clip to raise it and slide the battery into position. Slide battery into place, you will hear the latch click and the battery is installed. (See 1)
- 2. To remove the battery from the radio, press the battery latch located on the bottom of the radio, and then slide the battery down about 5mm to release the latch. (See 2)

Note: If the battery is not securely locked, remove it and reattach it.

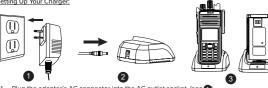
Complete User Manual at: RCACommunicationsSystems.com



- Side Button 1 (Programmable)
- Push-To-Talk Button (PTT)
- Side Button 2 (Programmable)
- Side Button 3 (Programmable)
- LED Indicator
- 6 On/Off/ Volume Knob
- 7 Channel Knob
- 8 Top Button (Programmable)
- 9 Speaker
- 10 Display (RDR4250 / RDR4280)

- OK / Menu Button
- 12 Front Button P1 (Programmable)
- 13 2-Way Navigation Button
- 14 Return / Home Button
- 15 Front Button P2 (Programmable)
- Microphone
- Accessory Connector
- Antenna
- 20 Battery

Setting Up Your Charger:



- Plug the adapter's AC connector into the AC outlet socket. (see
- 2. Plug the adapter's DC connector into the DC socket on the back of the charger, (see 2)
- 3. Place the radio with the battery attached, or the battery alone, in the charger. (see 3)

Attaching audio accessory

NOTE: Please loosen the screw prior

to removing the audio accessory.

- 4. Make sure the battery contact is touching the charging terminals. The charging process begins when the red LED light illuminates.
- 5. The green LED light will illuminate approximately two hours later, indicating the battery is fully charged.

Attaching/Removing Belt Clip:



Use the 2 screws (M2.5x8.0) supplied with Open the cover of the connector for external speaker/MIC, and then insert the plug of the the radio and insert these screws through the holes in the radio clip and into the holes in the external speaker or microphone onto the connector socket of the radio. When screwing aluminum case. If you want to remove the clip the accessory plug, make sure it is properly from the radio, just unscrew them, and remove aligned (straight) to ensure the right connection the clip. You can put the screws back into the to the connector of the radio. radio to make sure you do not lose them.

ATTENTION:

- Remove battery for easy installation
- · Do not use power tools, only screwdriver

Function Keypad (RDR4250/RDR4280 model)



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Programmable Kevs

[P1] key, [P2] key, [P3] key, and Top Button, can be set as function or menu shortcut keys by your RCA dealer. The function keypad is to help navigate the on-screen menu of RDR4250 or RDR4280.

Basic Operations

Turning on/off radio

Rotate the Radio On-Off/Volume knob clockwise / counter-clockwise until a click is heard to turn on/ off the radio.

Adjust the volume

After turning the radio on, rotate the Radio On-Off/Volume knob clockwise to increase the volume or counter-clockwise to decrease the volume.

Selecting a channel

Locate the channel number on the Channel Knob rotate it to select the desired channel. While rotating the knob, there is an automated channel number Voice prompt.

Mode Switch

Through Channel Selector knob, Each channel of the radio can be set as analog channel or digital channel by the dealer. The user can set them up through CPS software.

Group Call

Talk group can be set by the dealer in advance and the operation methods are the same under DMO mode and TMO mode.

Transmitting a group call

- Select the desired talk group through Channel Knob.
- 2. Hold down [PTT] key to transmit a group call.

· Receiving and replying a group call

You can receive the group call without any key operation. If reply is needed, please hold down [PTT] key after the speech of the other side and then speak to microphone.

Care and Cleaning

To quarantee optimal performance as well as a long service life of your radio, please follow the tips below.

Radio Care

Keep the radio far away from substances that can corrode the electronic circuit.

Do not hold the radio by its antenna or headset cable directly to prevent damage to its normal use. Attach the accessory lack cover when the radio is not in use.

Radio Cleaning

Clean up the dust and fine particles on the radio surface and charging piece with a clean and dry lintfree cloth or a brush regularly.

Use neutral cleanser and a non-woven fabric to clean the keys, control knobs and front case after longtime use. Do not use chemical preparations such as stain removers, alcohol, sprays or oil preparations. so as to avoid surface case damage. Make sure that the radio is completely dry before use.

NOTE: Turn off the radio and remove the battery before cleaning.

Battery indicator

Battery Usage Status	Audio Indication (RDR4220 model)	Display Indication (RDR4250/RDR4280)	
Power ≤ 100%	4 Beeps	IIII	
Power ≥ 80%	3 Beeps	iii)	
Power ≥ 40%	2 Beeps		
Power ≤ 40%	1 Beep		
Power ≤ 10%	Low Battery Beep Warning		

Charger LED indicator

LED Indica	ition	Charging Status
LED Flash	es Red Slowly	Standby (no load)
LED Glows	Red	Charging
LED Glows	Green	Fully Charged
LED Flash	es Red Rapidly	Error

Radio LED indicator

LED Indication	Radio Status	
Blinking Red	Radio is at low battery indication	
Solid Orange	Powering up	
Solid Green	Radio is receiving, or detecting activity over the air	
Solid Red	Radio is transmitting	
Blinking Orange	Radio is scanning, or in selective call, or emergency state	

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.

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Display Icons

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

Ψ×	No Signal	The number of bars displayed represents the radio signal strength and is only displayed while the radio is in receiving mode.
ዊ ዊ ዊ ዊብ	Received Signal Strength Indicator (RSSI)	The number of bars displayed represents the radio signal strength. Four bars indicate the strongest signal. This icon is only displayed while receiving.
	Battery	The number of bars (0 - 4) shown indicates the charge remaining in the battery.
*	Accessory Link	The Accessory Link feature is enabled but there is no remote Accessory Link device connected.
*	Accessory Link Connected	The Accessory Link feature is enabled. The icon stays lit when one or more remote Accessory Link devices are connected.
•	Scanning	Scan land on Scan feature is enabled.
ď	Encryption Enable	The Privacy feature is enabled.
2	GPS Available	The GPS feature is enabled. The icon stays lit when a position fix is available.
J	GPS Not Available / Out of Range	The GPS feature is enabled. The icon stays lit when a position fix is available.
₹ 0	Accessories Connected	Accessory Connected
L/H	Power Level	Radio is set at Low/High power.
DM	Direct Mode	Talk around mode.
RM	Repeater Mode	Repeater mode
\boxtimes	Unread Message	Unread Message
(9	Missed Call	Missed Call
\otimes	VOX Enable	VOX Enable
◄))	Speaker Open	Speaker Open