Manuals+ — User Manuals Simplified.

rcn
Communications Systems

RDR4300 Handheld Radio

RCA RDR4300 Handheld Radio User Manual

Contents

RCA
Communications Systems

RCA RDR4300 Handheld Radio User Manual
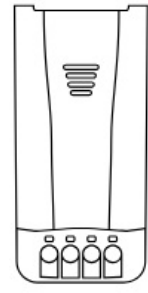
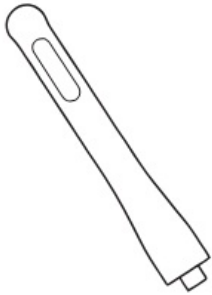**What's Included**

RDR4320
Handheld Radio
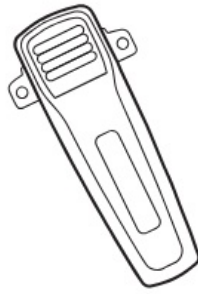
RDR4350
Handheld Radio

RDR4380
Handheld Radio

B4323LI
Li-Ion Battery
(2550 mAh)

Antenna
ANH4300U - UHF
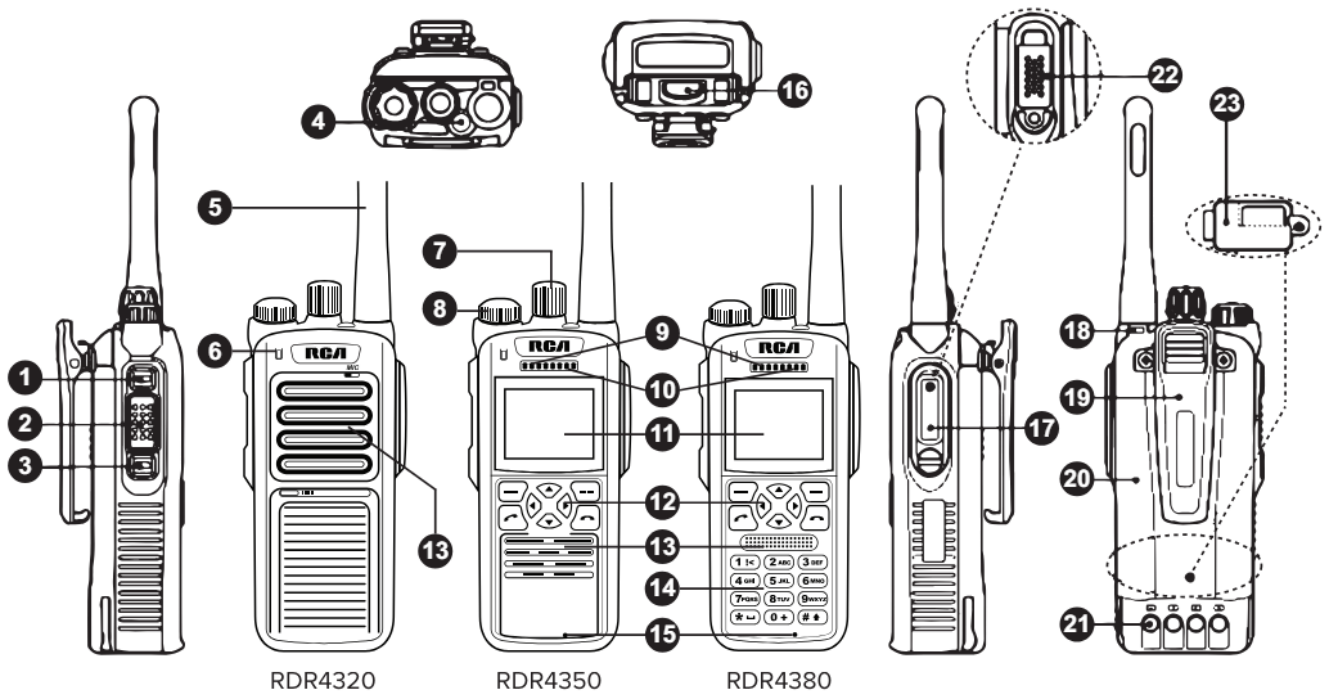**ANH4300V** - VHF

BC4300
Belt Clip

PS4301
Power Supply

CH4301
Desktop Rapid
Charger

Product Overview

RDR4320

RDR4350

RDR4380

1. P1 Key (hotkey)
2. PTT Key (transmit key)
3. P2 Key (hotkey)
4. Emergency Call Key
5. Antenna

6. LED Indicator

7. Channel Knob

8. Radio On-Off/ Volume Knob

9. Earpiece (RDR4350/RDR4380 only)

10. Simplex Microphone (RDR4350/ RDR4380 only)

11. LCD Display (RDR4350/RDR4380 only)

12. Function Keypad (RDR4350/RDR4380 only)

13. Speaker

14. Numeric Keypad (RDR4350/RDR4380 only)

15. Duplex Microphone (RDR4350/ RDR4380 only)

16. Battery Latch

17. Accessory Jack Cover

18. Strap hole

19. Belt Clip

20. Battery

21. Battery Pole Piece

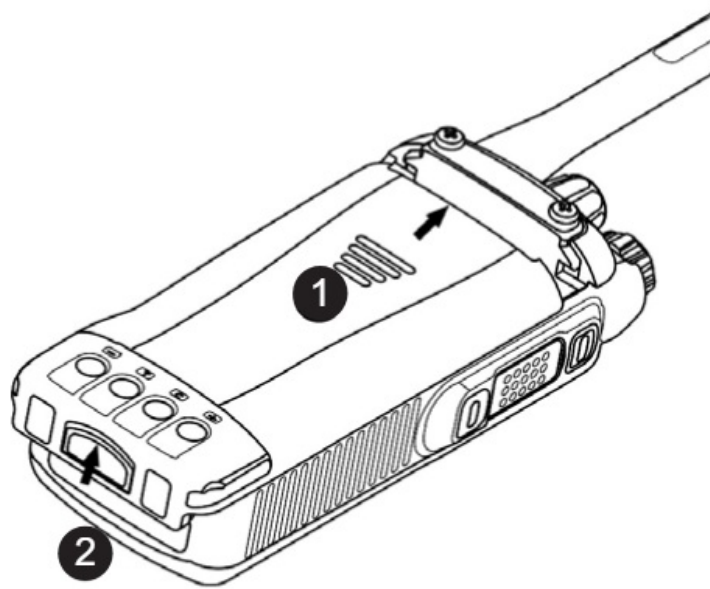22. Accessory Jack

23. Micro SD Encryption Card Cover

Attaching the Antenna
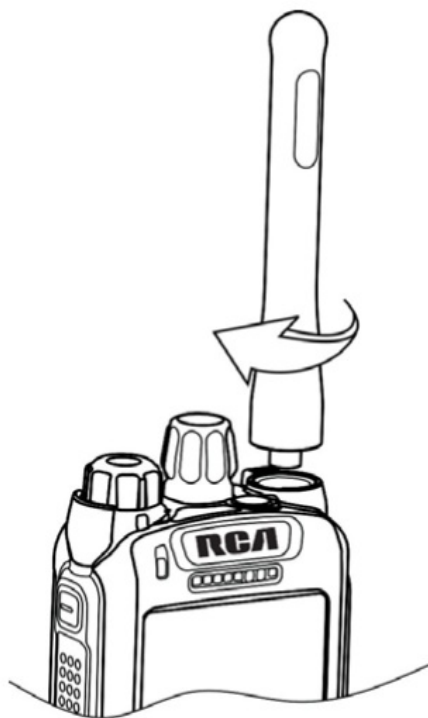
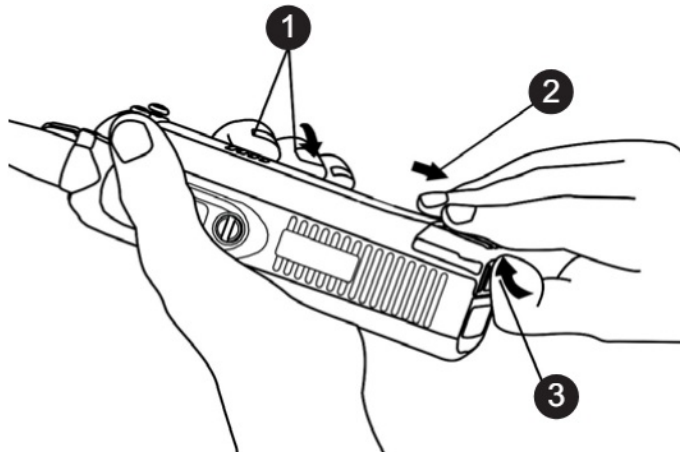1. Turn the antenna clockwise to attach it.

   Note: To remove the antenna, rotate it counterclockwise.

Attaching the Battery
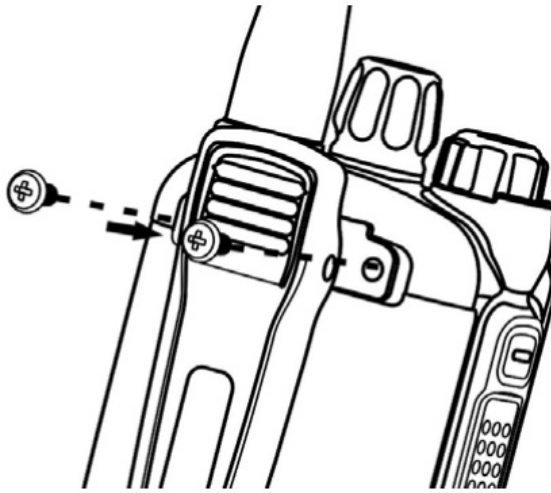
1. While lying flat, put the battery into the radio as shown, and horizontally push to the top along the aluminium slot.
2. As shown, up the battery latch forward until a click is heard.

Removing the Battery

1. As shown, hold the radio like this.
2. As shown, push up the batter and latch with another hand.
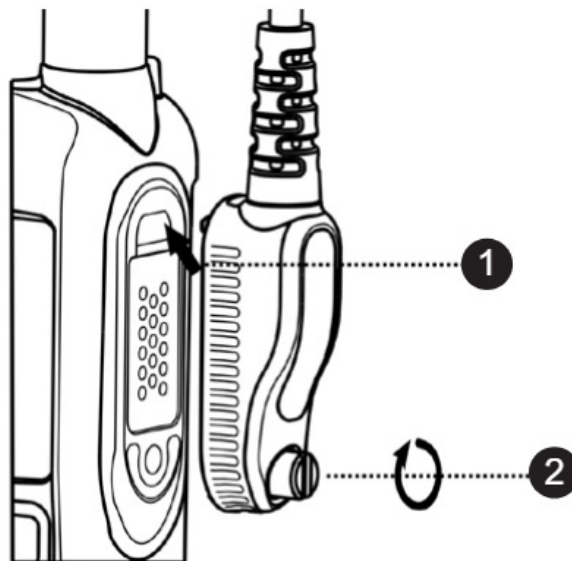3. Slide the battery in the arrow direction shown.

Attaching the Belt Clip

1. Rotate the screws counterclockwise to remove them.
2. Align the screw holes on the belt clip with those on the radio's body, and then tighten the screws clockwise.

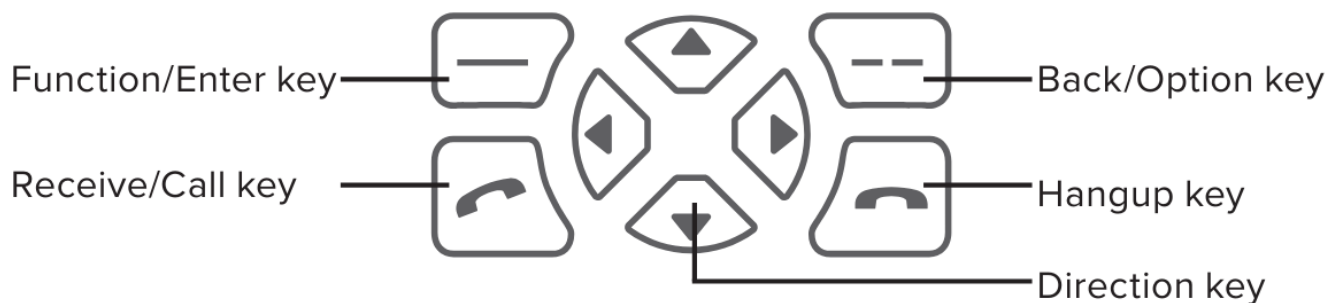   **Note:** To remove the belt clip, loosen the screws.

Attaching audio accessory/programming cable

1. Open the accessory jack cover. As shown, align the plug with the accessory jack, then connect it.
2. As shown, tighten the screw clockwise on the plug.

   Note: To remove accessories, loosen the screw counterclockwise

Function Keypad (RDR4350 / RDR4380 models)

Function/Enter key — [key image] Back/Option key
Receive/Call key — [key image] Hangup key
Direction key

Programmable Keys

[P1] key, [P2] key, four direction keys, [key image] key, can be set as a function or menu shortcut keys by your RCA dealer. The default state of [P1] and [P2] shortcuts are for high-low power switching. You only need to press the corresponding shortcut key to quickly access the needed menu or function.

Charging the Battery
Charging Operation Steps
Use only the charger and battery specified by RCA Communications Systems. Charger LED can indicate the changing progress.
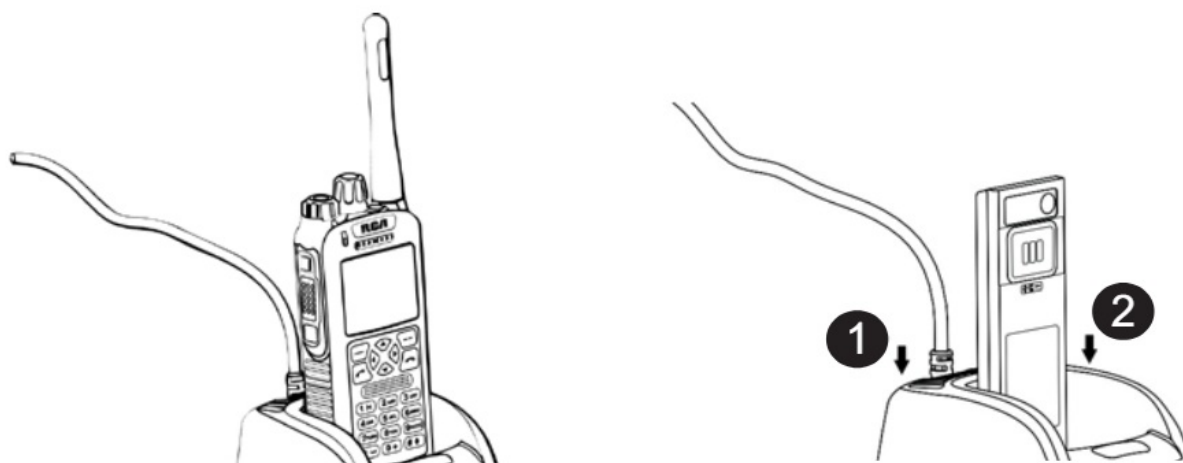
1. As shown, Connect the power adapter to the AC power socket and the jack at the back of the charger.
2. As shown, insert the battery or radio with the battery in the charger, and make sure there is good contact between the battery and charging terminals.
3. The charging process starts when the LED glows red.
4. LED glows green to indicate that charging is complete.

   NOTE: The standard 2250mAh battery charging normally takes about 4 hours, for optimal battery performance. Initial charging for a new battery should take up to 5 hours.

Basic Operations

Turning on/off the 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

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

Mode Switch

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

Call

Group Call

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

Transmitting a group call

1. Select the desired talk group through Channel Knob.

2. Hold down the [PTT] key to transmit a group call.

Receiving and replying to a group call

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

Care and Cleaning

To guarantee optimal performance as well as 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 jack 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 lint-free cloth or a brush regularly. Use neutral cleanser and non-woven fabric to clean the keys, control knobs and front case after long-time use. Do not use chemical preparations such as stain removers, alcohol, sprays or oil preparations, to avoid surface case damage. Make sure that the radio is completely dry before use.
NOTE: Turn off the radio and remove tha battery before cleaning.

LED indicator and charging status in the charger

LED indicator and charging status in charger	
LED Indication	Charging Status
LED Flashes Red Slowly	Standby (no load)
LED Glows Red	Charging
LED Glows Orange	85% Charged
LED Glows Green	Fully Charged
LED Flashes Red Rapidly	Error

Radio LED indicator

Radio LED indicator	
LED Indication	Radio Status
LED Glows Red	Transmitting the call
LED Glows Green	Receiving the call
LED Glows Red On Both Sides	Phone Call
LED Flashes Red Slowly	Low Battery Power
LED Flashes Green Slowly	Channel is Idle
LED Glows Orange	Channel is Busy

Battery indicator

Battery Usage Status	Indicator Light Status
Power > 40%	Battery indicator light shut down
10% < Power < 40%	Green light flash
Power < 10%	Red light flash
No Power	LED indicator light and battery indicator light shut down

STATUS INDICATION IN RADIO (RDR4350 / RDR4380 models)

Icon Name	Icon	Radio Status
Battery Strength Icons		Low battery power
		More bars indicate more battery power
RSSI		No Signal
		More bars indicate better signal strength
Message Icons		New message/unread message
		Inbox is full
Operation Mode Icons	T	TMO mode
	D	DMO mode
	A	Analog mode
Power Icons	L	Transmit with lower power
	m	Transmit with middle power
	H	Transmit with high power
Profiles Icon		Silent mode
		Ring
		Vibrate
		Custom
Audio Accessories		Audio accessory has been connected
Call Status Icon		On the phone
Group Selection Icon		Select talk group
Encryption Icon	E	Encryption ON

LCD Icon

FCC 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, under 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 by 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 the receiver.
- Connect the equipment to 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.

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 the device when transferred to other users.
- Do not use this device if the operational requirements described herein are not met.

Operating Instructions

- 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).
- Hold the radio in a vertical position in front of the face with the microphone (and the other parts of the radio, including the antenna) at least one inch (2.5 cm) away from the nose. Keeping the radio at the proper distance is important because RF exposures decrease with distance from the antenna. The antenna should be kept away from the eyes.
- When worn on the body, always place the radio in RCA's RCA-approved clip, holder, holster, case, or body harness for this product. Using approved body-worn accessories is important because the use of RCA's or other manufacturer's non-approved accessories may result in exposure levels, which exceed the FCC's occupational/controlled environment RF exposure limits.
- If you are not using a body-worn accessory and are not using the radio in the intended use position in front of the face, then ensure the antenna and the radio are kept at least 2.5 cm (one inch) from the body when transmitting. Keeping the radio at the proper distance is important because RF exposures decrease with increasing distance from the antenna.
- Use only the manufacturer's name approved supplied or replacement antennas, batteries, and accessories. Use of non-manufacturer-name-approved antennas, batteries, and accessories may exceed the FCC RF

exposure guidelines.

- For a list of RCA's approved accessories (see the user manual), (The manufacturer should include the appropriate bracketed item{s} in the manual.)
- For a list of RCA's approved accessories (see the user manual)

Download PDF: [RCA RDR4300 Handheld Radio User Manual](#)

References

- **[User Manual](#)**