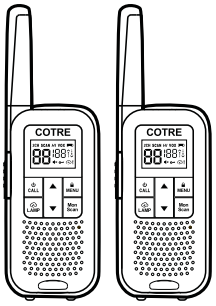
COTRE

CO607 Two Way Radios



START MANUAL

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SAFETY AND GENERAL INFORMATION

RF Exposure and Product Safety Instructions.

Attention:
Before using this radio, refer to the important operating instructions
for safe usage and RF energy awareness and control for compliance with applicable Standards and Regulations.

Compliance with RF Exposure Standards

Your Two-Way radio complies with the following RF energy exposure standard and guidelines:
· United States Federal Communications Commission, Code of Federal Regulations; 47 CFR et seq. & FCC.
· Institute of Electrical and Electronic Engineers (IEEE) C95.1.
· Ministry of Health (Canada) Safety Code 6 & Industry Canada RSS-102.

Transmit and Receive Procedure

Your two-way radio contains a transmitter and a receiver.
To control your exposure and ensure compliance with the general population /uncontrolled environment exposure limits, always adhere to the following procedure:
· Transmit no more than 50% of the time.
· To receive calls, release the PTT button.
· To transmit (talk), press the Push-to-Talk (PTT) button in front of the face.
· Hold the radio in a vertical position with the microphone (and other parts of the radio including the antenna) at least

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one inch (2.5 centimeters) away from the nose or lips. Keeping the radio at a proper distance is important to ensure compliance.

Note:
· RF exposure decreases as distance increases from the antenna.
· For body-worn, always place the radio in a approved clip for this product.

Two-way Radio Operation
• Use only approved supplied or replacement antennas and audio accessories.

Attention
· Use only approved supplied or replacement antennas and audio accessories.
· 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.

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

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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.
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.

RF Warning Statement

The device has been evaluated to meet general RF exposure requirement.
The device can be used in portable exposure condition without restriction.

ISEDC RSS Warning

This product meets the applicable Industry Canada technical specifications.
Le présent matériel est conforme aux specifications techniques applicables d'Industrie Canada.
This device complies with ISEDC license-exempt

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RSSstandard (s). Operation is subject to the following two conditions:
(1) this device may not cause interference.
(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'ISEDC applicables aux appareils radio exempts de device.
L'exploitation est autorisée aux deux conditionssuivantes:
(1) l'appareil ne doit pas produire de brouillage
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

ISEDC Radiation Exposure Statement

For body worn operation, this model device has been tested and meets the FCC/ISED RF exposure guidelines when used with an accessory designated for this product or when used with an accessory that contains no metal and that positions of the face up minimum distance is 25 mm.
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
Pour le corps, ce modèle d'appareil a été testé et adapté aux FCC/ISED RF guides relatives à l'exposition lorsqu'elles sont utilisées avec un accessoire pour ce produit ou lorsqu'elles sont utilisées avec celui-ci un accessoire ne contenant pas de métal et dont la distance minimale de la face est de 25 mm. Tout changement ou modification non expressément approuvé par la partie responsable de la conformité l'équipement.

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CONTROL BUTTONS

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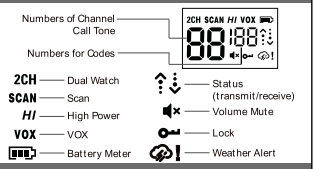
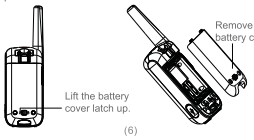
DISPLAY SCREEN GUIDE



GETTING STARTED

Installing the Three AA NiMH Rechargeable Battery

1. Take the belt clip off.
2. With the back of the radio facing you, lift the battery cover latch up and remove the cover.



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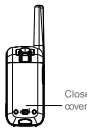
3. Insert the three AA NiMH battery with + and – polarity as shown inside.

4. Close the battery cover firmly.



Radio Battery Meter

The number of bars ( ) on the radio battery icon shown indicates the charge remaining in the battery. When the radio battery meter shows one segments, the radio chirps periodically (Low Battery Alert). In battery low status, the radio will sound the alert every 10 minutes or after releasing the PTT button.

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Note: Remove the battery from radio for storage purposes.

Removing the Three AA NiMH Rechargeable Battery

1. Turn the radio off.
2. With the back of the radio facing you, lift the battery cover latch up and remove the cover.
3. Remove each of the three AA NiMH rechargeable battery by pulling the ribbon attached to the radio.
4. Close the battery cover firmly.

Note:
·Be careful when removing NiMH batteries. Do not use sharp or conductive tools to remove either of these batteries.
·Remove the batteries before storing your radio for extended periods of time. Batteries corrode over time and may cause permanent damage to your radio.
·Do not mix old and new batteries and Do not mix alkaline, standard (carbon-zinc) or rechargeable (ni-cad, ni-mh, etc.) batteries.

Battery Capacity Maintenance

1. Charge the NiMH batteries once every 3 months when not in use.
2. Before placing the radio in storage, remove the battery.
3. Store the NiMH batteries in temperature between -20 °C to 35 °C and in low humidity. Avoid damp conditions and corrosive materials.

Using the Micro-USB Charger

The micro-USB charger is a handy port that allows you to conveniently charge your NiMH battery. Use certified adaptor(5V, ≥1A). Do not attempt to charge alkaline batteries.
1. Make sure your radio is turned OFF.
2. Plug the micro-USB cable into the micro-USB charging port on

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your radio. Connect the other end of the micro- USB charger to wall power outlet.
3. The battery meter on LCD will move to indicate the battery is charging.

Note:
· It is recommended to power OFF your radio while charging.
· When moving between hot and cold temperatures, do not charge the NiMH batteries until the battery temperature acclimates (usually about 20 minutes).
· For optimal battery life, remove the radio from the charger within 16 hours. Do not store the radio while connected to the charger.

Turning your Radio On and Off

1. Press and hold on the button to turn your radio ON/OFF. In the ON position, the radio chirps and briefly shows all feature icons available on the radio.
2. The display screen then shows the current channel, code and all features that are enabled. The radio is in Two-Way mode.

Setting the Volume

Press and hold button for three seconds to listen to volume level.
1 First press either or to trigger volume change. You will see current volume level on screen.
2. Press to increase the volume. Press to decrease the volume.
3. When the volume reached level 0 the mute icon appears permanently on screen.

Do not hold the radio close to your ear. If the volume is set to an uncomfortable level, it could hurt your ear.

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TALKING AND LISTENING

To communicate, all radios in your group must be set to the same channel and Interference Eliminator Code.
1. To talk, press and hold the PTT button. When transmitting, the icon is shown.
2. When you are finished talking, release the PTT button.
3. When receiving, the icon is shown.

For maximum clarity, hold the radio 2 to 3 centimeters away from your mouth and speak directly into the microphone. Do not cover the microphone while talking.

Talk Range

Your radio is designed to maximize performance and improve transmission range. Do not use the radios closer than five feet apart.

Monitor Button

Press and hold button for 3 seconds to enter monitor mode and listen for weak signals on the current channel.
You can also listen to the volume level of the radio when you are not receiving. This allows you to adjust the volume, if necessary. You can also press button to check for activity on the current channel before you talk.

Push-to-Talk Timeout Timer

To prevent accidental transmissions and save battery life, radio will stop transmitting if you press PTT button for 60 seconds continuously.

Mode Button

Press and hold button for 3 seconds, the user will be seamlessly switching between two-way and weather mode.

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MENU OPTIONS

Selecting the Channel

The channel is the frequency of the radio uses to transmit.
1. Press the button until the channel number starts to flash.
2. Press or button to change the channel number.
3. Press the PTT button to exit menu or button to continue setup.

Selecting the Interference Eliminator Code

Sub-Codes help minimize interference by blocking transmission from unknown sources. Your radio has 121 Sub-Codes.
To set the code for a channel:
1. Press the button until the code number starts to flash.
2. Press or button to select code number.
3. Press the PTT button to exit menu or button to continue setup.

Setting and Transmitting Call Tones

Your radio can transmit different call tones to other radios in your group when you pressed button. The radio has 20 call tones.To set a call tone:
1. Press button until call tone 'CA' appears. The current call tone setting flash.
2. Press or button to change and listen to the call tone.
3. Press the PTT button to exit menu or button to continue setup.

Voice Operated Transmission (VOX)

Transmission is initiated by speaking into the microphone of the radio instead of pushing the PTT button.
1. To activate VOX, press button until 'VOX' appears on the

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display. The current setting (0, 1-3) will flash.
2. Press or button to select the sensitivity level.
3. Press the PTT button to exit menu.

L3=High Sensitivity for quiet environments
L2=Medium Sensitivity for most environments
L1=Low Sensitivity for noisy environments
L0=Turn Off VOX function

Dual Channel Monitor

Enable To set another channel and start Dual Watch,you to scan current channel and another channel alternately.
1. Press button until '2CH' appears on the display. The current setting (OF, 1-22) will flash.
2. Press or to select channels.
3. Press the PTT button to exit menu or button to continue setup.
4. Press the PTT button or wait until the time out menu to activate Dual Watch. The screen will alternate between Home Channel and Dual Watch Channel.

To end Dual Watch mode, re-enter Dual Watch menu to select the OFF setting.

Note: If you set the same channel and code as current channel, Dual Watch does not work.

Setting High Low Power

1. Press button until 'Pr' appears on the display.
2. Press or button to select HI or LO. (HI- High Power, LO- Low Power)
3. Press the PTT button to set and exit menu.

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SPECIAL FEATURES

Keypad Tones

Your radio emits a beep each time one of the buttons is pressed (except the PTT and button).
Press and hold the button while turning the radio ON to switch the keypad tone ON/OFF.

Roger Tone

You can set your radio to transmit a unique tone when you finish transmitting.
Press and hold the button while turning the radio ON to turn the Roger Beep ON. Repeat the step to turn Roger Beep OFF.

Keypad Lock

To avoid accidentally changing your radio settings:
1. To lock the radio, press and hold button until the key lock indicator icon on display appear.
2. To unlock the radio, press and hold button until key lock indicator icon on display disappear.

Scanning Channels

Use scan to search all channels for transmissions from unknown parties, to find someone in your group who has accidentally changed channels or to quickly find unused channels for your own use.
To Start Scanning:
1. Briefly press the button, the **SCAN** icon will appear in the display and the radio will begin to scroll through the channel and code combinations.
2. When the radio detects channel activity matching the channel and code

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combination, it stops scrolling and you can hear the transmission.
3. To respond and talk to the person transmitting, press the PTT button within 5 seconds after the end of the transmission.
4. The radio will resume scrolling through the channels five seconds after the end of any received activity.
5. To stop scanning, briefly press the button.

Scanning Notes:

1. If you press the PTT button while the radio is scrolling through inactive channels, the transmission will be on the" home channel". Scanning will resume 5 seconds after the end of your transmission. You may press the button to stop scanning at any time.
2. If the radio stops on an undesired transmission, you may immediately resume the scan by briefly pressing or button.
3. If the radio repeatedly stops on an undesired transmission, you may temporarily remove that channel from the scan list by pressing and holding or for 3 seconds. You may remove more than one channel in this way.
4. To restore the removed channel(s) to the scan list, turn the radio off and then turn back on, or exit and re-enter the scanning mode by pressing button.
5. You cannot remove the home channel from the scan list.

LED Lamp

Your radio has a built-in-LED Lamp.
Briefly press the button once to ON the lamp, press again to OFF the lamp.

Automatic Power Save

For better battery life, your radio is designed to switch to Power Save mode when it has been no transmissions after 5 seconds. The radio can receive transmissions in this mode.

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WEATHER RECEIVE

Weather feature is available designed for use in USA and Canada. Your radio can tune in to broadcasts by the United States National Oceanic and Atmospheric Administration (NOAA) Weather Radio and Environment Canada Weather Radio.
You can listen to a weather channel (see "Weather Channels and Frequencies" table for details). When you listen to a weather channel, you cannot use your radio in scan mode or for two-way communications.
Both NOAA and Environment Canada have transmitters located throughout the United States and Canada, respectively. These transmitters broadcast watches, forecasts and other information 24 hours a day.

Entering Weather Mode

From two-way mode, press and hold button for 3 seconds to enter weather mode.

Setting the Weather Channel

Your radio receives weather frequencies:
1. In weather mode, press the button until weather channel number flashes.
2. Press or button to select the appropriate channel with good reception in your area.
3. Press the PTT button to set and exit menu.

Setting the Weather Alert

Your radio can be set to respond to NOAA Weather Radio emergency messages. A special alarm tone sounds an alert and turns on the weather receiver to give you immediate weather and

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emergency information.
1. In weather mode press the button twice until icon displays.
2. Press or button to select On/Off.
3. Press the PTT button or button to exit the weather menu set up.
4. Press and hold button for 3 seconds to return to two-way mode. If you activate Weather Alert and return to two-way mode the icon will display.

Note: When the weather channel is activated, either manually or after receiving an alert, and no buttons are pressed for 5 minutes, the weather mode will automatically revert back to two-way mode. As with two-way radio reception, weather channel reception depends on how close you are to a transmitter and whether you are indoors or outdoors. Because weather channels are transmitted without codes, they may contain static or noise. Weather Alert will not function while actively transmitting or receiving in two-way mode.

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WEATHER CHANNELS AND FREQUENCIES

Weather Channel	Frequency (MHz)	Weather Channel	Frequency (MHz)
WX1	162.550	WX7	162.525
WX2	162.400	WX8	161.650
WX3	162.475	WX9	161.775
WX4	162.425	WX10	161.750
WX5	162.450	WX11	162.000
WX6	162.500		

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CHANNEL AND FREQUENCIES

Channel	Frequency (MHz)	Max Power Output	Channel	Frequency (MHz)	Max Power Output
1	462.5625	2W	12	467.6625	0.5W
2	462.5875	2W	13	467.6875	0.5W
3	462.6125	2W	14	467.7125	0.5W
4	462.6375	2W	15	462.5500	2W
5	462.6625	2W	16	462.5750	2W
6	462.6875	2W	17	462.6000	2W
7	462.7125	2W	18	462.6250	2W
8	467.5625	0.5W	19	462.6500	2W
9	467.5875	0.5W	20	462.6750	2W
10	467.6125	0.5W	21	462.7000	2W
11	467.6375	0.5W	22	462.7250	2W

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CONTACT US

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