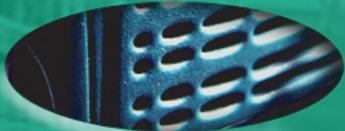




MOTOROLA

TWO-WAY RADIOS

contact



control

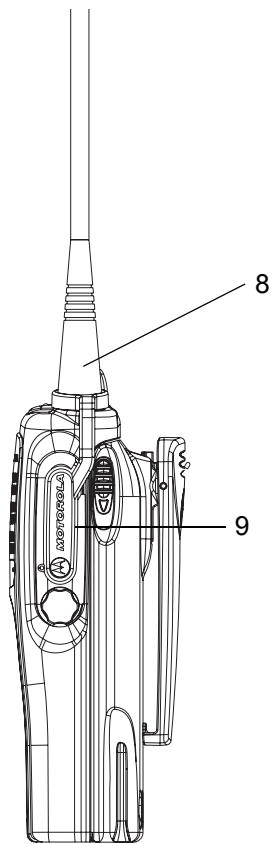
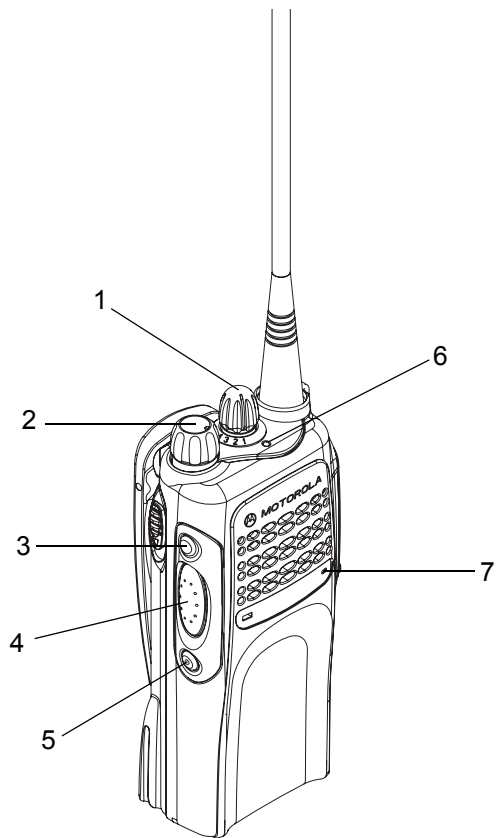
User Guide

GP330

Portable Radio



Professional Radio



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RADIO OVERVIEW

This user guide covers the operation of the GP330 Portable Radio.

Please read page 19 **before** using this radio.

OPERATION AND CONTROL FUNCTIONS

Radio Controls

The numbers below refer to the illustrations on the inside front cover.

- 1. Channel Selector Knob**
Used to switch the radio to different channels.
- 2. On-Off/Volume Knob**
Used to turn the radio on or off, and to adjust the radio's volume.
- 3. Side Button 1 (Programmable)**
- 4. Push to Talk Button (PTT)**
Press and hold down this button to talk, release it to listen.
- 5. Side Button 2 (Programmable)**

- 6. LED Indicator**
Green: Successful power up.
Red: Radio transmitting.
Blinking Red: Channel busy – when receiving.
Yellow: Radio call.
Blinking Yellow: Radio call reminder alert.
Blinking Red: Low battery warning – when transmitting.
- 7. Microphone**
Speak clearly into the microphone when sending a message.
- 8. Antenna**
- 9. Accessory Connector**
Connects headsets, remote speaker/ microphones and other accessories.
Replace attached dust cap when not in use.








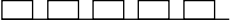
Programmable Buttons

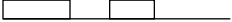





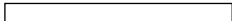


The two side buttons on your radio can be programmed to activate the radio features. The following table shows the features that can be assigned to these buttons.



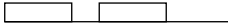
Feature	Description
Monitor/Cancel	To monitor the selected channel for any activity. OR To cancel a current outgoing or incoming call.
Radio Call	To make an individual or group selective call.
Transmit Power	To toggle your radio's transmit power level between High and Low power
Emergency	To activate the Emergency alarm call.
Lone Worker	To identify yourself as a lone worker. Radio enters emergency sequence unless you respond when prompted by pressing any radio button.
Call Forward	To transfer calls automatically to another radio if you are unable to take the call.
Whisper	To increase the microphone gain to allow you to speak quietly.

Audio Signal Tones

High pitched tone Low pitched tone

Tone	Description
	Power Up – Radio self-test successful
	Power Up – Radio self-test failed
	Button Error
	Force Monitor (PTT pressed)
	Feature Enable Side Buttons
	Feature Disable Side Buttons
	Channel Busy/Engaged
	Individual Call Alert

Tone	Description
	Call Reminder
	Group Call Alert
	TOT Pre Alert
	Monitor Alert
	Call Failed
	Hardware error – tone continues until valid operation
	Lone Worker Reminder
	Low Battery
	Incoming Ringing Tone

Tone	Description
	Outgoing Ringing Tone
	Channel Free Beep
	Incoming Emergency Alert

GETTING STARTED

BATTERY INFORMATION

Battery Care and Tips

This product is powered by a nickel-cadmium (NiCd), nickel-metal-hydrate (NiMH), or lithium-ion rechargeable battery.

The following battery tips will help you obtain the highest performance and longest cycle life from your Motorola rechargeable battery.

- Charge your new battery overnight (**14 – 16 hours**) before using it to obtain maximum battery capacity and performance.
- Charging in non-Motorola equipment may lead to battery damage and void the battery warranty.
- When charging a battery that is attached to the radio, turn the radio off to ensure a full charge.
- The battery should be at about 25°C (room temperature) whenever possible. Charging a cold battery (below 10°C) may result in leakage of electrolyte and ultimately, in failure of the battery.
- Charging a hot battery (above 35°C) results in reduced discharge capacity, affecting the performance of the radio. Motorola rapid-rate battery chargers contain a temperature-sensing circuit to ensure that the battery is charged within these temperature limits.
- New batteries can be stored up to two years without significant cycle loss. Store new/unused batteries, at room temperature, in cool dry area.
- Batteries which have been in storage should be charged overnight.
- Do not return fully charged batteries to the charger for an “extra boost”. This action will **significantly** reduce cycle life.
- Do not leave your radio and battery in the charger when not charging. Continuous charging will shorten battery life. (Do not use your charger as a radio stand.)
- For optimum battery life and operation use only Motorola brand chargers. They were designed to operate as an integrated energy system.

Recycling or Disposal of Batteries



At the end of its useful life, the NiCd battery can be recycled. However, recycling facilities may not be available in all areas.

Motorola endorses and encourages the recycling of all rechargeable batteries. Contact your local Motorola dealer for further information.

Charging the Battery

If a battery is new, or its charge level is very low, you will need to charge the battery before you can use it in your radio.

Please contact your dealer for further information.

Note: Batteries are shipped uncharged from the factory. New batteries could prematurely indicate full charge, charge a new battery for 14 – 16 hours before initial use.

Charger LED	Status
Red	Battery is charging
Green	Battery is fully charged
Blinking Red *	Battery is unchargeable
Blinking Yellow	Charger is getting ready to charge
Blinking Green	Battery is 90% charged

* Battery is damaged. Please contact your dealer.

1. Place the radio with the battery attached, or the battery alone, in the charger.
2. The charger's LED indicates the charging progress.

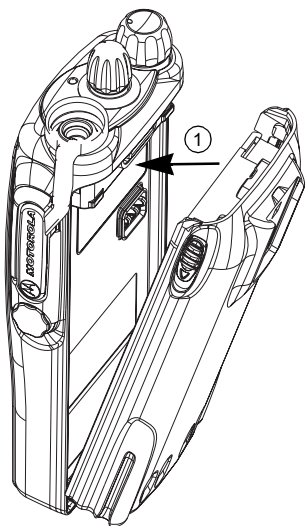
Battery chargers will charge only the Motorola authorised batteries listed below; other batteries will not charge.

Part No.	Description
HNN9008	High-Capacity NiMH
HNN9009	Ultra-High-Capacity NiMH
HNN9010	Ultra-High-Capacity FM NiMH
HNN9011	High-Capacity FM NiCd
HNN9012	High-Capacity NiCd
HNN9013	Lithium-Ion

FM – Factory mutual

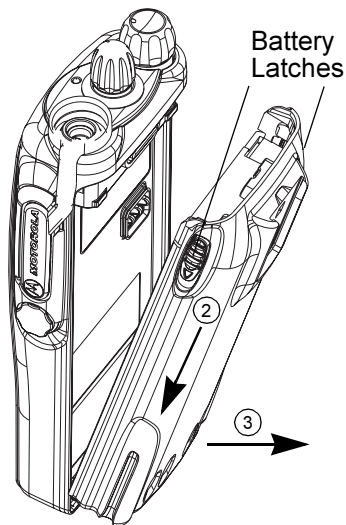
ACCESSORY INFORMATION

Attaching the Battery



1. Fit the extensions at the bottom of the battery into the slots at the bottom of the radio's body.
2. Press the top part of the battery towards the radio until you hear a click.

Removing the Battery



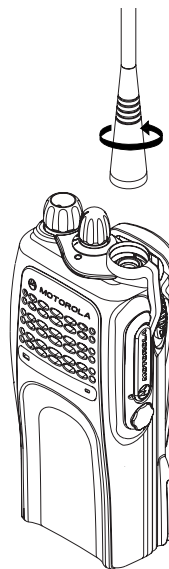
1. Turn off the radio, if it is turned on.
2. Slide the battery latches, on both sides of the battery, downwards.
3. Pull the top part of the battery away from the radio's body, and remove the battery.

Attaching the Antenna



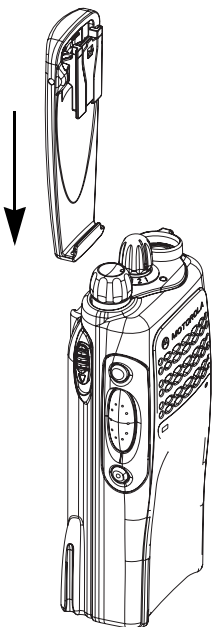
1. Align the threaded end of the antenna with the radio's antenna connector.
2. Turn the antenna clockwise to fasten it.

Removing the Antenna



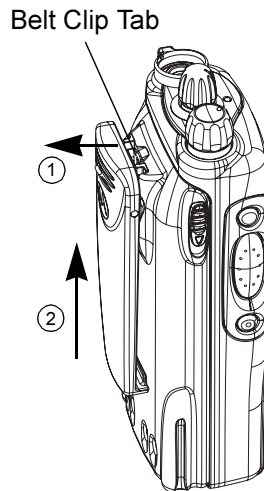
1. Turn the antenna counterclockwise until you can remove it.

Attaching the Belt Clip



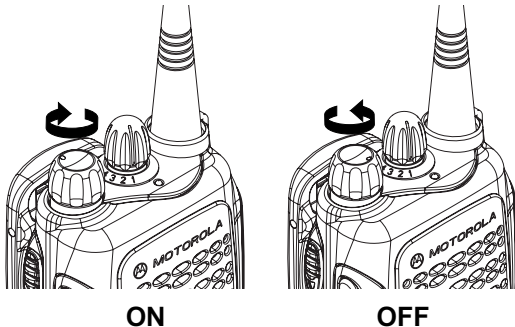
1. Align the grooves of the belt clip with those of the battery.
2. Press the belt clip downwards until a click is heard.

Removing the Belt Clip



1. Use a key to press the belt clip tab away from the battery.
2. Slide the belt clip upwards to remove it.

TURNING THE RADIO ON OR OFF



- To turn the radio on, turn the **On-Off/Volume Control** knob clockwise.
- To turn the radio off, turn the **On-Off/Volume Control** knob counterclockwise until you hear a click.

ADJUSTING THE RADIO'S VOLUME

- Turn the **On-Off/Volume Control** knob to adjust the volume level.

SELECTING A RADIO CHANNEL

Your radio offers four (4) channels for easy access to required conventional channels. Some channels on your radio may not be programmed. Check with your dealer for more information.

- Turn the Channel Selector knob clockwise or counterclockwise until you reached the desired channel.

SENDING A CALL

1. Press the **PTT** button and speak clearly into the microphone. Your mouth should be about 2.5 to 5 cm away from the microphone.
2. Release the **PTT** button when you finish speaking.

RECEIVING A CALL

1. Turn your radio on and adjust the volume level
2. If, at any time, a call is received, you will hear the call at the volume level you have set.

RADIO CALLS

SELECTIVE CALL

Making a Selective Call

You can make a selective call, to a particular radio, known as an individual call, or group of radios, known as a group call.

To make a Selective Call:

1. Press the PTT or Call Button (depending on the way your radio has been programmed by your dealer) to set up the call.
2. Wait until the conversation has been set up, which means you are authorised to use the system.
3. Talk with your mouth 2.5 – 5 cm from the microphone. Release PTT to listen.
4. The red indicator lights up when the radio is transmitting.

Your radio may be configured for 'Transmit Inhibit' under certain conditions (e.g. when the channel is in use by others) in which case, the channel busy tone will sound when you press the PTT or call button to indicate that transmission is inhibited.

When the channel is free, the Channel Free beep _____ will sound, and you can make a call.

If your radio is equipped with a transmit time out timer (TOT), a warning tone _____ will sound a few seconds before the transmission is cut off. Your radio may be programmed to inhibit retransmission within a preset time.

Receiving a Selective Call

When you receive a selective call, you will hear either an individual call alert tone

or a group call alert tone . The LED Indicator lights up (yellow).

To answer the call:

1. Press the PTT button or Call button.
2. The call terminates automatically when the conversation ends or when the the Monitor button is pressed.

EMERGENCY CALL

Your radio can be programmed to give you a one-button quick access to call a particular radio or centre (predefined by your dealer) in emergency situations. This is the *Emergency Call*.

When you make an Emergency call, your radio goes into an Emergency state, which can be programmed to:

- continually give audio feedback,
 - give no audio feedback; the radio can receive and transmit.
1. Press the **Emergency** button to initiate an Emergency call.
 2. Emergency can be stopped by the following:
 - Switching the radio **Off** and **On** again.
 - A **reset** message is received by your radio.
 - The emergency time duration is reached.

Note: The emergency time duration and reset message are programmed into your radio by your dealer.

Should you receive an Emergency call, the incoming emergency alert tone will sound.

LONE WORKER

The Lone Worker feature enables you to work alone with added safety.

To use this feature:

1. Press the **Lone Worker** button.
2. The feature enable alert will sound.

You will be reminded at intervals that **Lone Worker** is switched **on** by the sound of a high pitched alert .

- Press **any button** to respond and cancel the alert, if you do **not** the radio will enter the Emergency state.

To switch off this feature:

1. Press the **Lone Worker** button. The feature disable alert will sound.

OR

Change the channel.

OR

Switch the radio **off** and **on** again.

FEATURES

The features described below are programmed into your radio by your dealer and are accessible via the radio's programmable buttons.

TRANSMIT POWER

You can transmit your calls at different transmit power levels. A higher level means you can reach a radio that is farther away. A lower power level conserves battery power.

You are advised to transmit as frequently as possible on low power, and use high power only when needed.

To use this feature:

1. Press the **Tx Power** button to switch to **high power**. The feature enable alert _____ will sound.
2. Press the **Tx Power** button again to switch to **low power**. The feature disable alert _____ will sound.

WHISPER

Whisper allows you to talk quietly into the radio microphone when making a call.

To switch on Whisper:

1. Press the Whisper button once.
2. The feature enable alert _____ will sound.

To switch off Whisper:

1. Press the Whisper button again.
2. The feature disable alert _____ will sound.

CALL FORWARD

You can call forward calls to your radio to another radio if you are unable to take calls or are away from your radio.

To enable Call Forward:

1. Press the Call Forward button once.
2. The feature enable alert _____ will sound.

To disable Call Forward:

1. Press the Call Forward button again.
2. The feature disable alert _____ will sound.

VOICE OPERATED TRANSMIT (VOX)

When the VOX headset/microphone is connected, your radio may be used with hands-free operation.

To start the VOX feature:

1. Connect the VOX headset onto the accessory connector of the radio.
2. Switch on the radio.

You can disable the VOX feature by pressing the PTT button on the radio. This allows you to use the VOX headset. However, you must press the radio PTT to transmit.

To re-enable the VOX feature:

1. Switch the OFF and ON again with the headset connected to the accessory connector.
2. Change channel with the VOX headset connected.

SAFETY INFORMATION

Product Safety and RF Exposure Compliance



Caution

Before using this product, read the operating instructions for safe usage contained in the Product Safety and RF Exposure booklet enclosed with your radio.

ATTENTION!

This radio is restricted to occupational use only to satisfy ICNIRP/FCC RF energy exposure requirements. Before using this product, read the RF energy awareness information and operating instructions in the Product Safety and RF Exposure booklet enclosed with your radio (Motorola Publication part number 6864117B25) to ensure compliance with RF energy exposure limits.

For a list of Motorola-approved antennas, batteries, and other accessories, visit the following website:

<http://www.motorola.com/governmentandenterprise>

NOTES

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