Safety Precautions for Batteries

WARNING:

- Batteries contain hazardous substances. Disposing of batteries in fire can make them explode.
- Exploding batteries can severely burn skin and injure eyes.
- Do not dispose of batteries in fire.
- Radios are powered by electrical current when batteries are installed, and can cause electric shock.

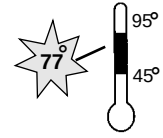
WARNING:

- Inserting or removing batteries from the radio can create sparks. When combined with explosive or flammable substances, sparks can cause explosion or fire.
- Do not replace or recharge batteries near explosive or flammable substances.

Handling/Charging Batteries

Your GP350 radio is shipped with a rechargeable nickel-cadmium (Ni-Cd) battery. When properly used, this type of battery provides a safe and dependable power source, which is necessary for peak radio performance. To ensure peak performance, batteries should be fully charged before use and periodically thereafter. In standard use, a fully charged battery will last approximately eight hours. Standard use has a 5-5-90 duty cycle. This means that the radio transmits 5%, receives 5%, and remains in standby mode 90% of the time.

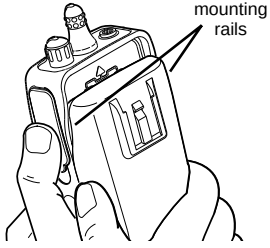
Please observe the following precautions while handling and charging batteries:



IMPORTANT:
Charging batteries in cold temperatures (below 45° F) can result in electrolyte leakage and may destroy the battery. Charging in hot temperatures (above 95° F) will not damage the battery, but will reduce charge capacity.
Charge batteries at approximately 77° F.

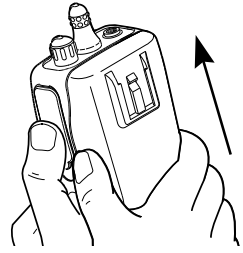
Installing and Removing the Battery

Please be sure to read the Safety Precautions on the previous pages before installing or removing the battery.



1A **Installing**

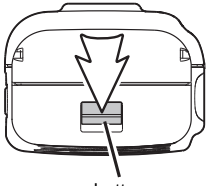
Align the top of the battery with the mounting rails as indicated on back of radio.



1B

Slide the battery toward the top of the radio until it is fully engaged by the battery latch.

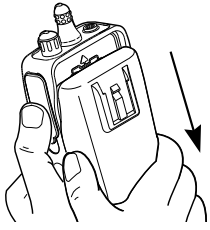
Installing and Removing the Battery (cont'd)



2A **Removing**

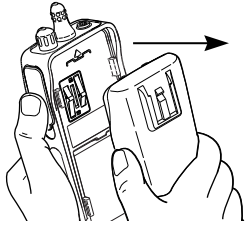
Ensure that the radio is turned off.

Push the battery latch (located on the bottom of the radio) toward the front of the radio.



2B

Slide the battery down from the top of the radio about 1/2 of an inch.



2C

Pull the battery directly outward to remove the battery from the radio housing.

Charging the Battery

Before using your radio, you must charge the battery

NOTE:

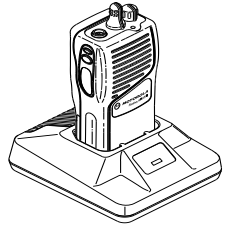
When charging Ni-Cd batteries for the first time, you should charge them overnight, even when using a rapid charger.

The LED on the Overnight Charger glows:

- red while in overnight charge mode

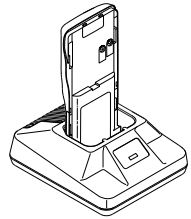
The LED on the Rapid Charger glows:

- red while in rapid-charge mode
- green when charging is complete (after 1 hr, trickle rate charge)
- flashes red while out of the battery's temperature range



Battery On Radio

1. Turn radio off.
2. Connect charger to transformer and transformer to power source.
3. Insert radio into charging pocket.
4. Remove radio after 10 hours when using the Overnight Charger.



Battery Alone

1. Connect charger to transformer and transformer to power source.
2. Insert battery into charging pocket.
3. Remove battery after 10 hours when using the Overnight Charger.

CAUTION:

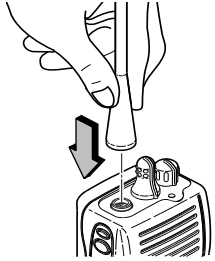
- Charging battery with non-Motorola equipment voids battery warranty and can damage battery.
- Use only Motorola battery chargers.
- Do not transmit while radio is charging.

Attaching the Antenna

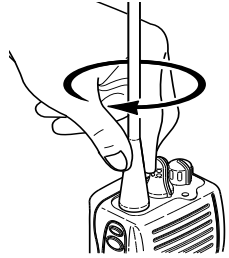
WARNING:

Never hold the radio with the antenna very close to, or touching, exposed parts of the body, especially the face, ears, or eyes, while transmitting. Hold the radio in a vertical position with the microphone two or three inches away from the lips.

Antenna can cause injuries. Keep antenna away from face, mouth, and eyes.

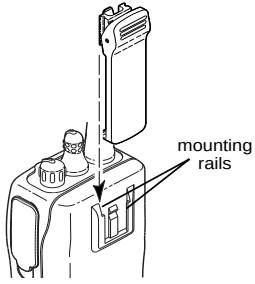


1 Place threaded end of antenna into threaded opening on top of radio.



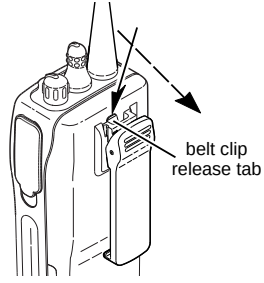
2 Rotate antenna clockwise until it is securely attached to radio.

Attaching

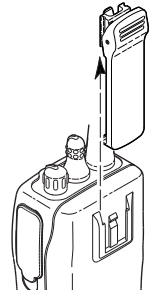


1. Find mounting rails on back of radio.
2. Position the belt clip as shown in the figure. Slide the grooves in the belt clip down into the mounting rails until it latches into place (indicated by a click.)

Removing

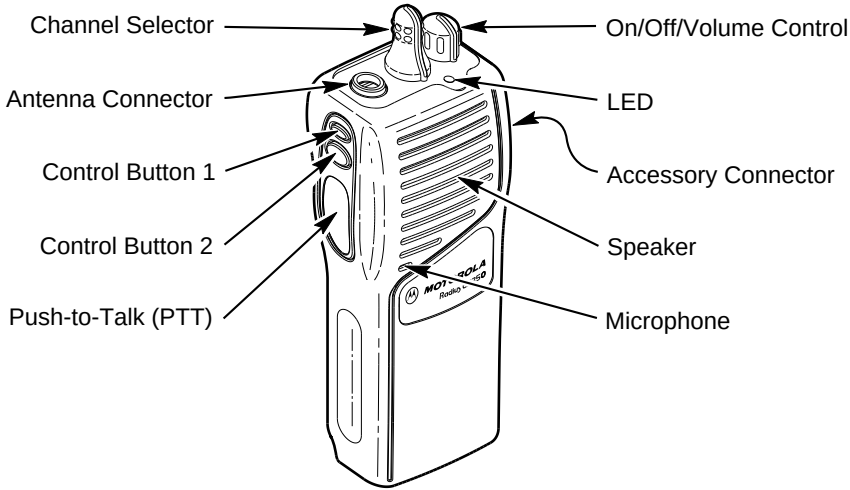


1. Find belt clip release tab.
2. Push the release tab forward by inserting a coin or key between the release tab and the back surface of the radio.

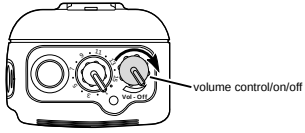


3. While holding the coin or key firmly on the release tab, push the belt clip up off the mounting rails.

GP350 Basic Model



Turn Radio On



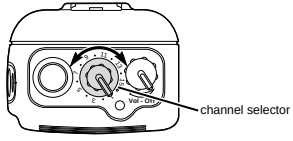
1 Rotate Volume On/Off knob clockwise.

A high-pitched beep sounds.

Turn Radio Off

1 Rotate Volume On/Off knob counterclockwise.

Select Channel

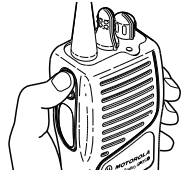


1 Rotate channel selector.

The channel selector clicks into place for each channel.

Volume Set

Control Button 1: Default = Volume Set



1 Press and hold CONTROL button until you hear a rushing noise.

2 Continue to hold CONTROL button and rotate On/Off knob to desired volume level.

A short, high-pitched beep sounds when you press CONTROL button.

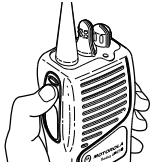
3 Release the CONTROL button when you reach the desired volume level.

Monitor Channel

Control Button 2: Default = Monitor

The CONTROL button allows you to enter/exit monitor mode. When the radio is in monitor mode, you can hear all conversations on a particular channel, including those outside your talk group.

To enter/exit monitor mode:



Press and release CONTROL button.

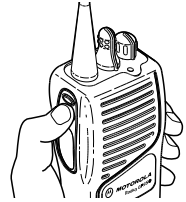
IMPORTANT:

FCC regulations require you to monitor channels before transmitting.

The LED glows yellow for 4 seconds when you successfully enter monitor mode.

IMPORTANT:

Pressing the PTT button without transmitting occupies the channel and causes unnecessary wear and tear on the PTT. As a courtesy to other radio users, and to prolong the life of your radio and battery, press the PTT button only when transmitting.



NOTE:

Your dealer can program the CONTROL buttons to perform one of the following functions:

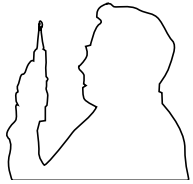
- Volume Set
- Monitor
- Nuisance Delete
- None

Transmit



1. Press PTT.
2. Hold radio upright while speaking clearly into mic.

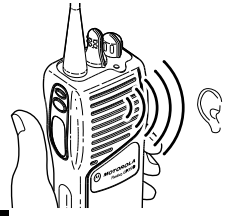
- The LED glows red while transmitting.
- The LED flashes red while transmitting if the battery is low.



NOTE:

The GP350 performs best if the microphone is two to three inches away from the lips, and the radio and antenna are in a vertical position.

Receive



1. Release PTT to hear voice activity.

- Flashing Red Light - Channel Busy, indicates the presence of activity on the operating channel
- Yellow Light (4 seconds) - Channel Monitor Active (PL/DPL Disable)
- Flashing Yellow Light - Selective Call or Call Alert™ Present
- Flashing Green Light - Channel Scan™ Feature Active

Time-Out Timer

The time-out timer limits the amount of time you have to transmit your message.

Busy Channel Lockout

Several talk groups may share one channel. Busy channel lockout blocks out conversations outside your own group. At the same time, this feature monitors the channel and prevents you from interrupting conversations outside of your own group.

IMPORTANT:

The radio must be programmed to use this feature.

NOTE:

If you press the PTT button while tuned to a blank or “receive-only” channel, you will not be able to transmit, and



You will hear an alert tone. The tone will continue as long as you hold down the PTT.

VOX (Voice-Operated Transmission)

The VOX feature is used with audio accessories. It allows hands-free, voice-operated transmission.

IMPORTANT:

The radio must be programmed to use this feature.

To activate the VOX feature:

1. Turn the radio off.
2. Insert a VOX-compatible audio accessory in the accessory connector.
3. Turn the radio on.
4. Rotate the channel selector knob to a channel programmed for VOX operation.
5. Read the instructions for the audio accessory and use the accessory accordingly.
6. Speak clearly into the audio accessory microphone.

NOTE:

Pressing the PTT button on the radio disengages VOX operation. To restart VOX, turn the radio off and on, or change the channel.