



6881098C61-D



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**This radio is restricted to occupational use only to satisfy 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 6881095C98) to ensure compliance with RF energy exposure limits. For a list of Motorola-approved antennas, batteries, and other accessories, visit the following web site which lists approved accessories: <http://www.motorola.com/governmentandenterprise>. Mag One™ by Motorola is registered in the U.S. Patent and Trademark Office. All other products and service names are the property of their own respective owners.

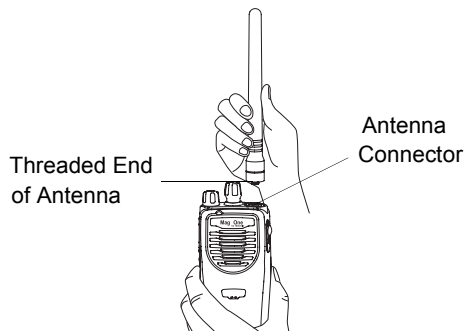
**ATTENTION!**

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.

**PRODUCT SAFETY AND RF EXPOSURE COMPLIANCE**

**Attaching and Removing the Antenna**



**To Attach Antenna**

1. Fasten the antenna to the radio by placing the threaded end of the antenna into the Antenna Connector.
2. Rotate the antenna clockwise until tight.

**To Remove Antenna**

1. Turn the antenna in a counter-clockwise direction until it disengages from the radio.

**Attaching and Removing the Battery**



**To Attach Battery**

1. Align and fit the battery tongue into the groove of the chassis of the radio.
2. Secure the latch at the bottom of the radio.

**To Remove Battery**

1. Unlatch the battery clasp at the bottom of the radio.
2. Gently lift the hilt of the battery nearest to the battery latch away from the housing.
3. Slide battery downwards to remove.

**Attaching and Removing the Belt Clip**



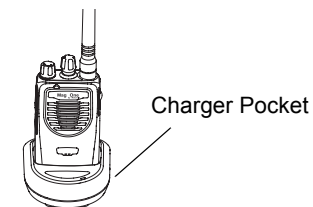
**To Attach Belt Clip**

1. Align mounting rails of the radio with the grooves of the belt clip.
2. Slide the belt clip downwards until it clicks into place.

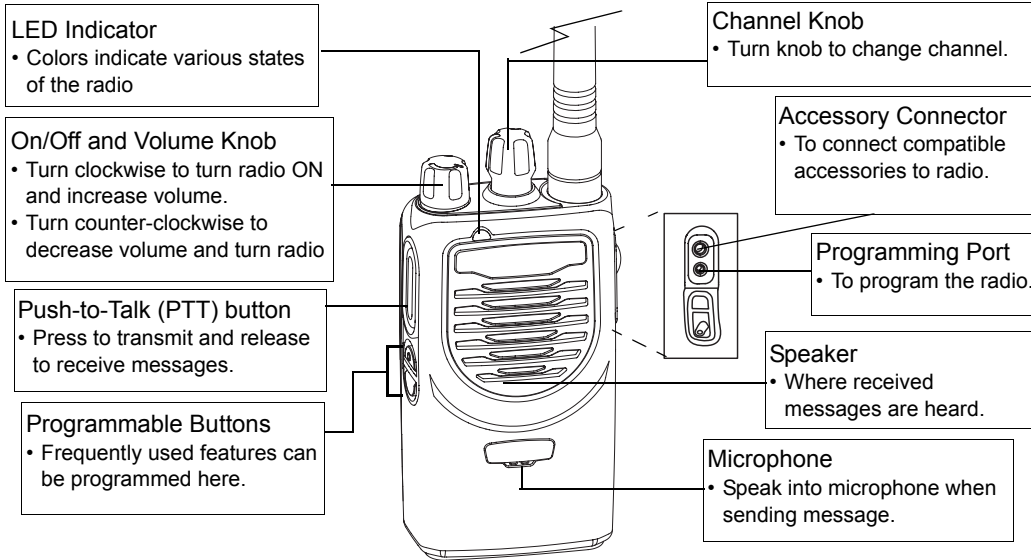
**To Remove Belt Clip**

1. Lift the release tab.
2. Slide the belt clip upwards.

**Charging your Radio**



1. Turn off your radio and the A/C power supply to your charger (if they are on).
2. Place your radio in the charger pocket.
3. Turn on the charger's A/C power supply.
4. While charging your radio, the charger's LED shows a steady red light. The radio should be charged at least 16 hours initially before decreasing charging time to 12 hours.
5. Turn off the charger's A/C power supply, and remove the radio from the charger pocket.
6. For more details, refer to your Tri-Chem Charger User Guide (6871916T01).



### LED Indicators

Colour	State	Indication
Red	Illuminated	Radio is transmitting.
	Blinking	Battery voltage is low.
Green	Illuminated	Radio is receiving with PL/DPL disabled.
	Blinking	Radio is in active scanning mode.
Orange	Illuminated	Radio is receiving with PL/DPL enabled.
	Blinking	An error has occurred.

### Audio Alert Tones

Tone Name	Tone Cadence	Description
In Chirp Tone		Programmable buttons are pressed.
Out Chirp Tone		Programmable buttons are pressed.
Bad Key Chirp Tone		Invalid programmable button function (i.e. pressing programmable button while button lock is activated.)
Talk Prohibit Tone		Continuous tone is heard if PTT is pressed when transmit is not allowed.
Low Battery Alert Tone		Repeating tone heard if battery level is low.
Priority Channel Alert Tone		Received priority channel in Priority Scan mode.

Low Tone High Tone

### Accessories

Types	Part No.	Description	
Antenna	PMAD4051_R	Mag One 150-174MHz Antenna	
	PMAE4020_R	Mag One 450-470MHz Antenna	
	Audio Accessory	PMMN4008_	Remote Speaker Microphone
		PMLN4442_	Earbud with in-line mic and PTT/VOX* Switch
		PMLN4443_	Ear Receiver with in-line mic and PTT/VOX* Switch
		PMLN4445_	Ultra Lightweight Headset with In-line PTT/VOX* Switch
		PMLN4294_	Earbud with Microphone & PTT Combined
	PMLN4605_	Clear Acoustic Kit	
	PMLN4606_	2-Wire Surveillance Kit with Clear Acoustic Tube	
PMLN4658_	D-shell Earset with Boom Mic with PTT/VOX* Switch		
Battery	PMNN4071_R	Mag One NiMH 1200mAH	
	PMNN4075_R	Mag One Li-Ion 1500mAH	
Carry Accessory	PMLN4743_	Mag One Spring Belt Clip	
	PMLN4741_	Mag One Soft Leather Carry Case	
	PMLN4742_	Mag One Hard Leather Carry Case	
Charger	PMLN5041_R	Mag One Tri-Chem SUC Base	
	PMLN5048_R	Mag One Tri-Chem SUC with Switching PS US Plug	
	EPNN9288_	Switching Power Supply with AC Cord, US plug, 90-264 VAC	

\*Caution: Your radio does not support the VOX feature. Please set the accessory switch to 'PTT'. If the accessory switch is set to 'VOX', your radio transmits constantly and never receives.

### Programmable Buttons

• The following functions can be assigned as short press (press and release) or long press (press and hold for 1 second) in the programmable buttons.

Button	Function
High/Low Power	Selects desired power level to High <sup>†</sup> or Low <sup>†</sup> .
Volume Set	Allows you to check the audio and alert tone volume level.
Monitor	Allows you to monitor the current channel for activity; disables squelch.
Sticky Monitor <sup>*</sup>	The radio monitors continually until you press this button again.
Scan	Starts <sup>*</sup> or Stops <sup>†</sup> channel scan.
Nuisance Channel Delete <sup>†</sup>	Removes unwanted channel(s) temporarily from scan list during scan.
Repeater/Talkaround	Toggles radio between functioning in Repeater mode <sup>†</sup> or Talkaround mode <sup>*</sup> .
PL/DPL	Enables <sup>†</sup> /Disables <sup>*</sup> radio from requiring matching PL/DPL to receive messages.
Button Lock	Locks <sup>*</sup> or unlocks <sup>†</sup> all buttons except PTT, Channel Knob and On/Off/Volume Knob.
Battery Save Mode	Toggles between functioning with Battery Saver ON <sup>*</sup> or Battery Saver OFF <sup>†</sup> .
Squelch	Selects desired squelch level: Normal <sup>†</sup> or Tight <sup>*</sup> .

<sup>†</sup> In Chirp Tone

<sup>\*</sup> Out Chirp Tone

• Your radio's default functions are described below. If re-programmed, enter the new functions.

Press Type	Programmable Button 1		Programmable Button 2	
	Default	Re-programmed	Default	Re-programmed
Short Press	Monitor		Scan	
Long Press	Sticky Monitor		Nuisance Channel Delete	