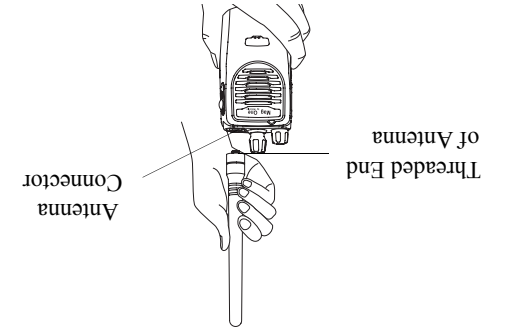
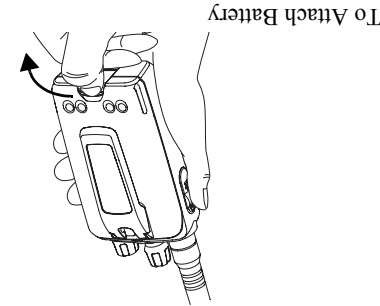


1. Turn the antenna in a counter-clockwise direction until it disengages from the radio.
 2. Rotate the antenna clockwise until tight.
- To Remove Antenna
1. Fasten the antenna to the radio by placing the threaded end of the antenna into the Antenna Connector.
- To Attach Antenna



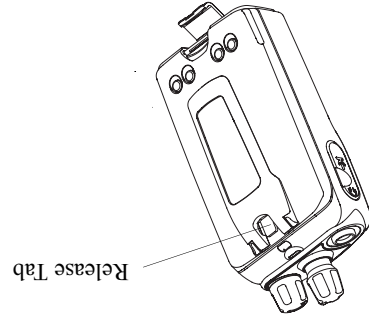
Attaching and Removing the Antenna

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.



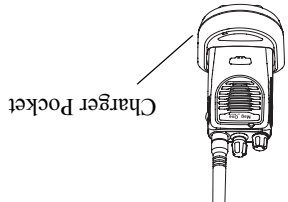
Attaching and Removing the Battery

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 Attach Belt Clip
1. Lift the release tab.
 2. Slide the belt clip upwards.
- To Remove Belt Clip



Attaching and Removing the Belt Clip

1. Turn off your radio and the A/C power supply to your charger (if they are turned 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 the Charger Manual (6881013Y27).



Charging your Radio

PRODUCT SAFETY AND RF EXPOSURE COMPLIANCE



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 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>

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6881098C61-D

Portable Radio

BPR 40

User Guide

Mag One
by Motorola

www.motorola.com

Types	Part No.	Description
Antenna	PMAD4051_R	Mag One 150-174MHz Antenna
	PMAE4020_R	Mag One 450-470MHz Antenna
	PMAE4028_R	Mag One 490-512MHz 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
	PMMN4013	RSM with Jack
	PMLN5011	Temple Transducer Headset (2 pin)
Battery	PMNN4071_R	Mag One NiMH batt 1200mAh
Carry Accessory	PMLN4743	Mag One Spring Belt Clip
	PMLN4691_R	Mag One Belt Clip
	PMLN4741	Mag One Soft Leather Carry Case
	PMLN4742	Mag One Hard Leather Carry Case
Charger	PMLN4685_R	Mag One Mid-rate Charger Base Only
	PMLN4738_R	Mag One Mid-rate Charger Kit, 120 V
	PMLN4682_R	Mag One Slow Charger Base Only
	PMLN4683_R	Mag One Slow Charger Kit, 120 V
	PMLN4829_R	Mag One Mid-rate Transformer, 120 V
	PMLN4822_R	Mag One Slow Transformer, 120 V

*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.

LED Indicator

- Colors indicate various states of the radio

On/Off and Volume Knob

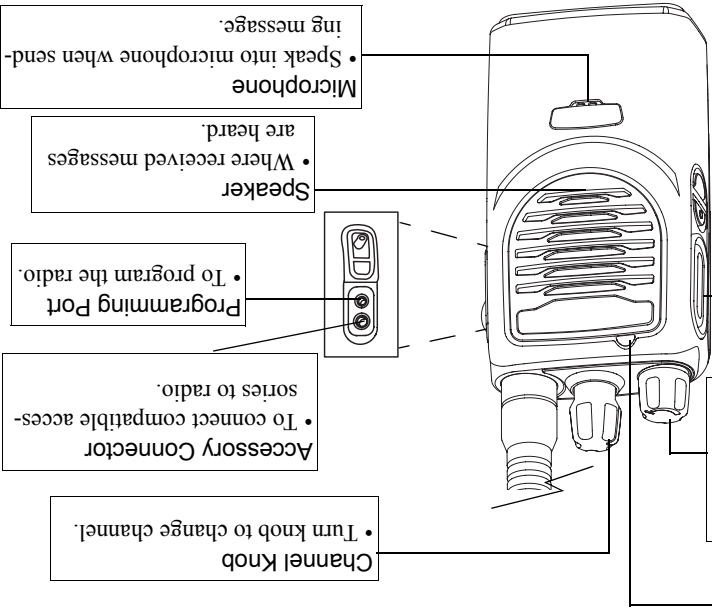
- Turn clockwise to turn radio ON and increase volume.
- Turn counter-clockwise to decrease volume and turn radio OFF.

Push-to-Talk (PTT) button

- Press to transmit and release to receive messages.

Programmable Buttons

- Frequently used features can be programmed here.



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		Invalid programmable button function (i.e. pressing programmable button while button lock is activated)
Talk Prohibit		Continuous tone is heard if PTT is pressed when transmit is not allowed.
Low Battery		Repeating tone heard if battery level is low.
Alert Tone		Repeating tone heard if battery level is low.
Priority		Received priority channel in Priority Scan mode.
Channel Alert		Received priority channel in Priority Scan mode.

Low Tone High Tone

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* or Low*.
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*	The radio monitors continually until you press this button again.
Scan	Starts* or Stops* channel scan.
Nuisance Channel Delete†	Removes unwanted channel(s) temporarily from scan list during scan.
Repeater/Talkaround	Toggles radio between functioning in Repeater mode* or Talkaround mode*.
PL/DPL	Enables†/Disables* radio from requiring matching PL/DPL to receive messages.
Button Lock	Locks* or unlocks† all buttons except <i>PTT</i> , <i>Channel Knob</i> and <i>On/Off/Volume Knob</i> .
Battery Save Mode	Toggles between functioning with Battery Saver ON* or Battery Saver OFF†.
Squelch	Selects desired squelch level: Normal† or Tight*.
No Operation	No function is programmed to this button.

† In Chirp Tone
* 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	