



## motorola R7 Portable Two-Way Radios Instruction Manual

[Home](#) » [Motorola](#) » motorola R7 Portable Two-Way Radios Instruction Manual 



***MOTOROLA SOLUTIONS***

**MOTOTRBO™ R7 Series  
PORTABLE TWO-WAY RADIOS**



## QUICK REFERENCE GUIDE

**MARCH 2022**

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**MN007840A01-AB**

### Your Quick Reference Guide

This Quick Reference Guide covers the basic operation of the radio. Your radio will need to be provisioned before use. This is typically done by your dealer or system administrator and customized for your specific needs.

For more operational details and provisioning information, refer to the following manuals at <https://learning.motorolasolutions.com>.

R7 Series User Guide	MN007848A01
R7 Provisioning Guide	MN007868A01

## Contents

[1 Important Safety Information](#)

[2 Computer Software](#)

[Copyrights](#)

[3 Radio Controls](#)

[4 Attaching the Battery](#)

[5 Attaching the Antenna](#)

[6 Turning the Radio On and Off](#)

[7 Adjusting the Volume](#)

[8 LED Indicators](#)

[9 Lightbar Color Indicators](#)

[10 Display Icons](#)

[11 NOTES](#)

[12 Documents / Resources](#)

[12.1 References](#)

[13 Related Posts](#)

## Important Safety Information

### RF Energy Exposure and Product Safety Guide for Portable TwoWay Radios

#### 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!

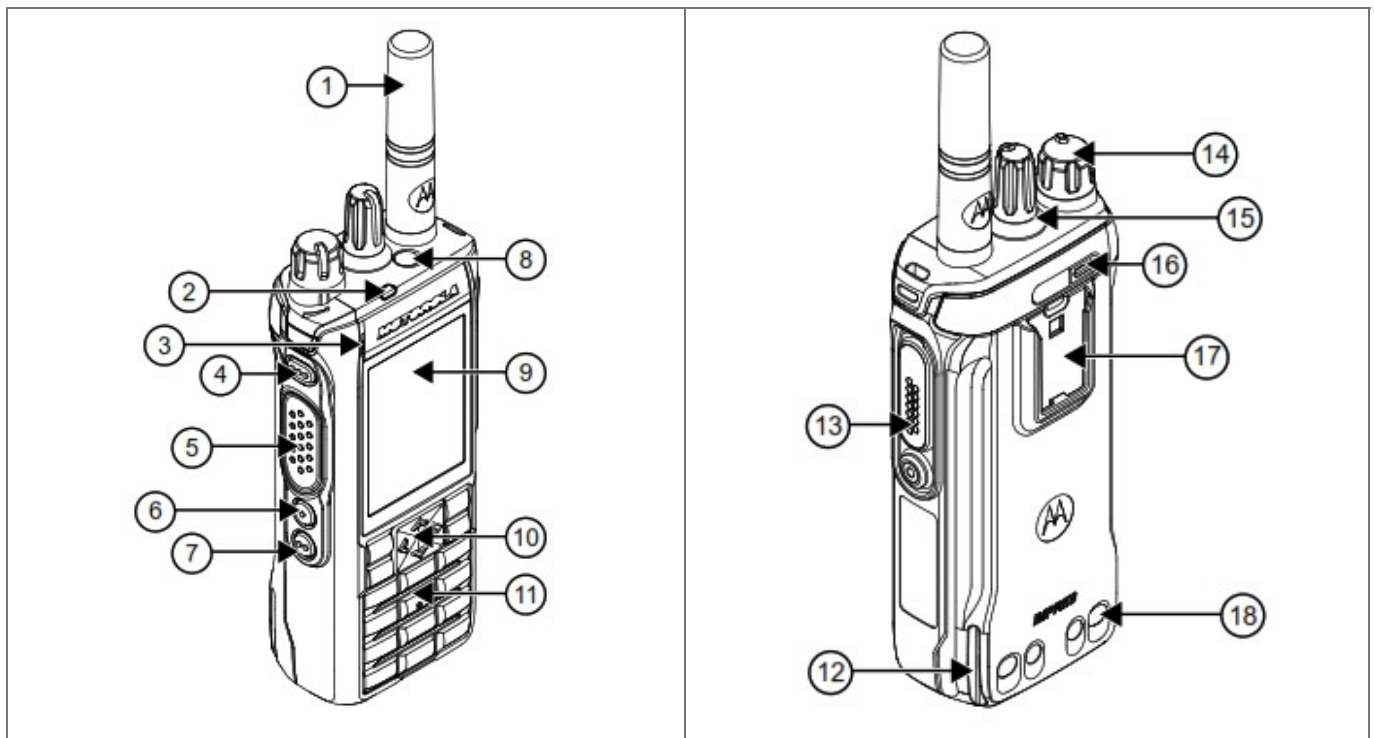
**This radio is restricted to Occupational use only.** Before using the radio, read the RF Energy Exposure and Product Safety Guide for Portable Two-Way Radios which contains important operating instructions for safe usage and RF energy awareness and control for Compliance with applicable standards and Regulations.

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## Radio Controls



1. Antenna
2. LED Indicator
3. Front Microphone
4. 3-Dot Programmable Feature button
5. Push-to-Talk (PTT) button
6. 1-Dot Programmable Feature button
7. 2-Dot Programmable Feature button
8. Emergency button
9. Display

10. Keypad
11. Speaker
12. Charging Rail
13. Accessory Connector
14. On/Off/Volume knob
15. Channel Selector knob
16. Rear Microphone
17. Belt Clip Slot
18. Charging Contacts

## Attaching the Battery



### Note:

For optimal performance, charge a new battery 14 to 16 hours before initial use.

1. Align the battery with the rails on the back of the radio.
2. Press the battery firmly, and slide upwards until the latch snaps into place.
3. Slide battery latch into lock position.

## Attaching the Antenna

1. Turn off the radio.
2. Set the antenna in the receptacle and turn clockwise.

## Turning the Radio On and Off

Rotate the **On/Off/Volume** knob clockwise or counterclockwise until a click sounds.

## Adjusting the Volume

Rotate the **On/Off/Volume** knob clockwise or counterclockwise.

## LED Indicators

### Blinking Red

Radio has failed the self-test upon powering up, has moved out of range if Auto-Range Transponder System is configured, has Mute mode enabled, is receiving an emergency transmission, is transmitting in low battery state, or is indicating a battery mismatch.

### Solid Green

Radio is powering up, transmitting, or sending a Call Alert or an emergency transmission.

### Blinking Green

Radio is receiving a call or data, detecting activity over the air, or retrieving Over-the-Air Programming transmissions.

### Double Blinking Green

Radio is receiving a privacy-enabled call or data.

### Solid Yellow

Radio is monitoring a conventional channel or in Bluetooth Discoverable Mode3.

### Blinking Yellow

Radio is scanning for activity, has Flexible Receive List enabled, has yet to respond to a Call Alert, or all Capacity Plus-Multi-Site channels are busy.

### Double Blinking Yellow

Radio has Auto Roaming enabled, has yet to respond to a Group Call Alert, is actively searching for a new site, is not connected to the repeater while in Capacity Plus, is locked, or all Capacity Plus channels are busy.
















## Lightbar Color Indicators

The following color indicators appear on the home screen at the left side of the radio display.

Light Blue	Radio is available for call.
Yellow	Radio is receiving call.
Red	Radio is transmitting call.
Grey	Radio is unprogrammed or not connected.

## Display Icons

The following icons appear on the status bar at the top of the radio display. The icons are arranged left most in order of appearance or usage, and are channel-specific.

	Emergency		Auto Roaming
	Scan		RSSI
	Notification		Talkaround
	Tone Disabled		Wi-Fi4
	Battery		Power Level
	Secure		Tx Inhibit
	Unsecure		Mute
	Bluetooth Connected4		

## NOTES


[www.motorolasolutions.com/mototrbo](http://www.motorolasolutions.com/mototrbo)

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## Documents / Resources

	<a href="#">motorola R7 Portable Two-Way Radios</a> [pdf] Instruction Manual R7, Portable Two-Way Radios, R7 Portable Two-Way Radios, Two-Way Radios, Radios
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## References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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