



## MOTOROLA SOLUTIONS MN007843A01 Portable Two Way Radios Installation Guide

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### MOTOTRBO™ R7 PORTABLE TWO-WAY RADIOS QUICK REFERENCE GUIDE





# MN007843A01-AC

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## MN007843A01 Portable Two Way Radios

This Quick Reference Guide covers the basic operation of the radio.

Check with your dealer or system administrator because your radio may have been customized for your specific needs.

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 information, refer to the following link:

<https://learning.motorolasolutions.com>.

R7 Series User Guide	MN007848A01
R7 Provisioning Guide	MN007868A01

## 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.

Any modification to this device, not expressly authorized by Motorola Solutions, may void the user's authority to operate this device. Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

This radio transmitter has been approved by Industry Canada to operate with Motorola Solutions-approved antenna with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are

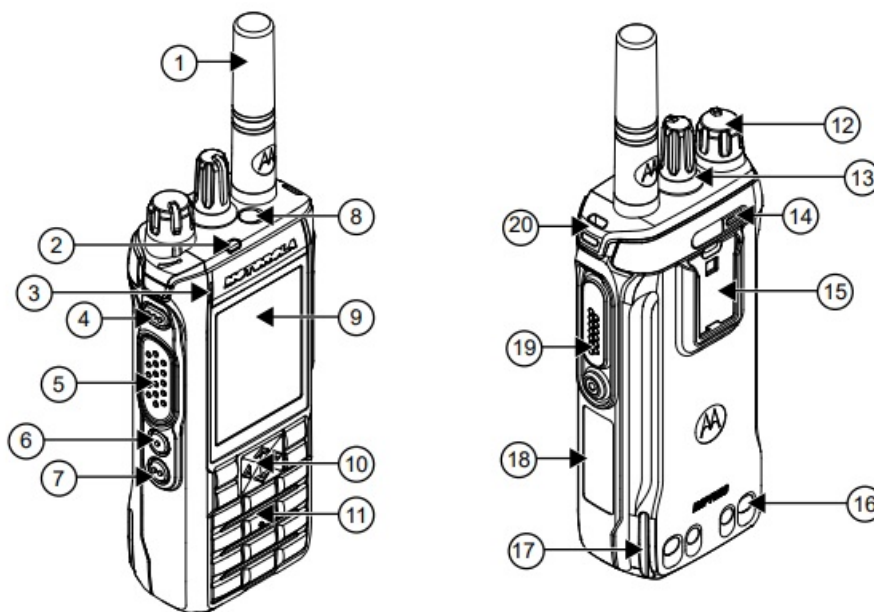
strictly prohibited for use with this device.

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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<sup>1</sup>
10. Keypad<sup>1</sup>
11. Speaker
12. On/Off/Volume knob
13. Channel Selector knob
14. Rear Microphone
15. Belt Clip Slot
16. Charging Contacts

17. Charging Rail
18. Device Labeling Area
19. Accessory Connector
20. Lanyard Hole

## 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 Mode.

### 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
	Scan
	Notification
	Tone Disabled
	Battery
	Secure
	Unsecure
	Bluetooth Connected
	Auto Roaming
	RSSI
	Talkaround
	Wi-Fi
	Power Level
	Tx Inhibit
	Mute

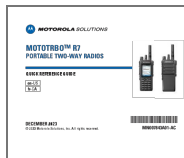
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## Documents / Resources



**[MOTOROLA SOLUTIONS MN007843A01 Portable Two Way Radios](#)** [pdf] Installation Guide  
MN007843A01 Portable Two Way Radios, MN007843A01, Portable Two Way Radios, Two Way Radios, Way Radios, Radios

## References

- [User Manual](#)

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

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