

Professional Digital Two-Way Radio System

# **MOTOTRBO™** DM 3400 / DM 3401 Numeric Display Mobile

Quick Reference Guide





## DM 3400/3401 Mobiles Quick Reference Guide

### Important Safety Information

#### 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 to satisfy ICNIRP/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 6866537D37) to ensure compliance with RF energy exposure limits.

For a list of Motorola-approved antennas, batteries, and other accessories, visit the following website:

<http://www.motorola.com/governmentandenterprise>

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### ■ Your Quick Reference Guide

This Quick Reference Guide covers the basic operation of the MOTOTRBO Mobile.

However, your dealer or system administrator may have customized your radio for your specific needs. Check with your dealer or system administrator for more information.

Throughout this publication, two icons are used to differentiate Analog mode and Digital mode only features:



Indicates a conventional **Analog Mode-Only** feature.



Indicates a conventional **Digital Mode-Only** feature.

**NOTE:** For features that are available in **both** conventional Analog and Digital modes, **no** icon is shown.

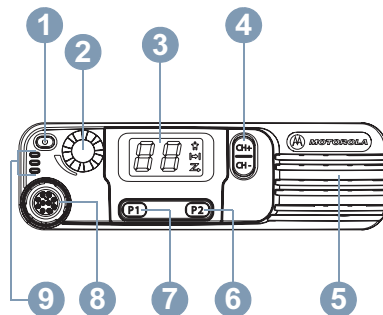
Selected features are also available on the single-site trunking mode, Capacity Plus.

### ■ Radio Controls

Record your radio's programmable button functions in the blanks provided.

**SP** represents Short Press.

**LP** represents Long Press.



1 On/Off Button

2 Volume Knob

3 Display

4 Channel Rocker

5 Speaker

Front Button P2 (Programmable)

6 **SP:** \_\_\_\_\_  
**LP:** \_\_\_\_\_

Front Button P1 (Programmable)

7 **SP:** \_\_\_\_\_  
**LP:** \_\_\_\_\_

## 8 Accessory Connector

## 9 LED Indicators

### Display Icons

The following are the icons that appear on the radio's display.



Indicates a Private Call in progress.



In the absence of a repeater, radio is currently configured for direct radio to radio communication.\*



Scan feature is activated.\*

\* Not applicable in Capacity Plus

### Powering Up and Turning Off the Radio

Press the On/Off Button briefly to turn on the radio, and press and hold the On/Off Button to turn it off.

### Adjusting the Volume

Turn the Volume Knob clockwise to increase volume or counterclockwise to decrease volume.

### LED Indicators

**Blinking red** – Radio is receiving an Emergency transmission or has failed the self-test upon powering up.

**Solid yellow** – Radio is receiving a request for a Private Call, or monitoring a channel.

**Blinking yellow** – Radio is scanning for activity or receiving a Call Alert.

**Double blinking yellow** – Radio is no longer connected to the repeater while in Capacity Plus or all Capacity Plus channels are currently busy.

**Rapidly blinking yellow** – Radio is searching for a new site.

**Solid green** – Radio is transmitting.

**Blinking green** – Radio is powering up, receiving a non-privacy-enabled call or data, or detecting activity over the air.

**Rapidly blinking green** – Radio is receiving a privacy-enabled call or data.

*For Capacity Plus, there is no LED indication when the radio is detecting activity over the air.*

### Audio Indicators for Programmable Buttons

Some programmable buttons use audio indicators to indicate the change as they alternate between two different choices.

Programmable Button	Positive Indicator Tone	Negative Indicator Tone
Zone	In Zone 2	In Zone 1
Repeater/Talkaround	In Talkaround mode	In Repeater mode
Scan	Start Scan operation	Stop Scan operation
Squelch	Operating in tight squelch	Operating in normal squelch
Power Level	Transmitting at low power	Transmitting at high power
Horns and Lights	The horns and lights feature is on	The horns and lights feature is off
Tones and Alerts	All tones and alerts are on	All tones and alerts are off

### Selecting a Radio Channel, Subscriber ID, or Group ID

- 1 Select the zone by pressing the programmed **Zone** button to switch between zones.
- 2 Press the Channel Rocker to select the required channel, subscriber ID, or group ID.

## ■ Capacity Plus

Press the Channel Rocker to access channels with Capacity Plus.

## ■ Making a Group or Private Call

**NOTE:** Your radio must be programmed for you to initiate a Private Call.



Press the programmed **One Touch Access** button and proceed to Step 2.

**OR**

Follow the procedure below.

- 1 Press the Channel Rocker to select the channel with the active group ID.  
**OR**  
Press the Channel Rocker to select the channel with the active subscriber ID.

- 
- 2 Press the **PTT** button to make the call. The green LED lights up.

- 
- 3 Wait for the Talk Permit Tone to finish (if enabled).  
**OR**

Wait for the **PTT** Sidetone to finish (if enabled).

- 
- 4 Speak clearly into the microphone.

- 
- 5 Release the **PTT** button to listen.
- 

- 6 If the Channel Free Indication feature is enabled, you will hear a short alert tone the moment the target radio releases the **PTT** button, indicating the channel is free for you to respond. Press the **PTT** button to respond.

**OR**

- If the Voice Interrupt feature is enabled, press the **PTT** button to stop the current call from the transmitting radio and free the channel for you to talk/respond.

**OR**

If there is no voice activity for a predetermined period of time, the call ends.

- 
- For a Private Call, you hear a short tone when the call ends.*

- Your radio must have the Privacy feature enabled on the channel to send a privacy-enabled transmission. Only target radios with the same Privacy Key OR the same Key Value and Key ID as your radio will be able to unscramble the transmission.*

## ■ Making an All Call

Your radio must be programmed to allow you to use this feature. Users on the channel cannot respond to an All Call.

- 1 Press the Channel Rocker to select the channel with the active All Call group ID.

---

- 2 Press the **PTT** button to make the call. The green LED lights up.

---

- 3 Wait for the Talk Permit Tone to finish (if enabled).  
**OR**  
 Wait for the **PTT** Sidetone to finish (if enabled).

---

- 4 Speak clearly into the microphone.

---

- 5 If there is no voice activity for a programmed period of time, the call ends.

---

*When you **receive** an All Call, you cannot use any programmed button functions until the call ends.*

## ■ Scanning Channels

**NOTE:** This feature is not applicable in Capacity Plus.

Press the programmed **Scan** button to turn scan on or off.

*During scan, the yellow LED blinks.*

## Making a Call Alert

- 1 Press the programmed **One Touch Access** button to send the Call Alert to a predefined ID.
- 2 The green LED lights up.
- 3 Two chirps indicate that the Call Alert acknowledge is successfully received.

## Sending a Quick Text Message

- 1 Press the programmed **One Touch Access** button send a predefined Quick Text Message to a predefined ID.
- 2 The green LED lights up.
- 3 Two chirps indicate that the message is sent successfully.  
**OR**  
A low-pitch tone indicates that the message cannot be sent.

## Sending an Emergency Alarm

- 1 Press the programmed **Emergency** button.
- 2 The green LED lights up.

- 3 When an Emergency Alarm acknowledgment is received, the Emergency tone sounds. The green LED blinks.  
**OR**  
If your radio does not receive an Emergency Alarm acknowledgement, and after all retries have been exhausted, a low-pitch tone sounds.

- 4 Radio exits the Emergency Alarm mode.

*If your radio is set to Silent, it will not display any audio or visual indicators during Emergency mode.*

## Privacy

Press the programmed **Privacy** button to toggle privacy on or off.

## IP Site Connect

**NOTE:** This feature is not applicable in Capacity Plus.

- 1 Press the programmed **Site Lock On/Off** button to toggle automatic site roaming on or off.
- 2 The yellow LED blinks rapidly when the radio is actively searching for a new site, and turns off once the radio locks on to a site.

## **OR**

- 1 Press the programmed **Manual Site Roam** button.

- 2 A tone sounds and the green LED blinks.

- 3 You hear a positive indicator tone and the LED turns off, indicating the radio is locked on to a site.

## **OR**

You hear a negative indicator tone and the LED turns off, indicating the radio is unable to lock on to a site.

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