Professional Digital Two-Way Radio System

MOTO**TRBO**™ DM 3600 / DM 3601
Display Mobile

Quick Reference Guide

MOTOROLA

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DM 3600/3601 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 FCC/ICNIRP 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

6866575D02-E

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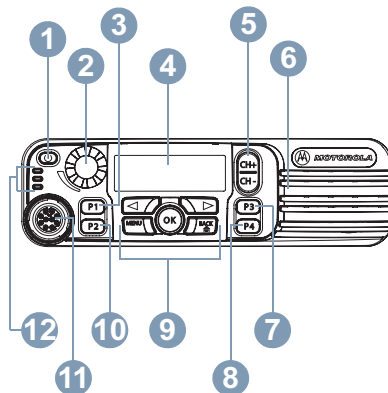
Selected features are also available on the single-site trunking mode, Capacity Plus.

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 Front Button P1 (Programmable)
SP: _____
LP: _____

4 Display

5 Channel Rocker

6 Speaker

Front Button P3 (Programmable)
7 **SP**: _____
LP: _____

Front Button P4 (Programmable)
8 **SP**: _____
LP: _____

9 Menu Navigation Buttons

Front Button P2 (Programmable)
10 **SP**: _____
LP: _____

11 Accessory Connector

12 LED Indicators

Menu Navigation Buttons
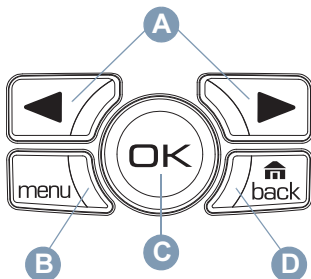
A Left/Right Navigation Buttons

B Menu Button

C OK Button

D Back/Home Button

Display Icons

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

	The number of bars displayed represents the radio signal strength. Four bars indicates the strongest signal. This icon is only displayed while receiving.
	Selected channel is being monitored.
Lor**H**	Radio is currently set at Low Power (L) or High Power (H).
	Tones are set off.
	The Option Board is enabled.
	The Option Board is disabled.

	The GPS feature is enabled. The icon stays lit when a position fix is available.
	The GPS feature is enabled but is not receiving data from the satellite.
Z	Scan feature is activated.*
Z	Radio recognizes activity on the channel/group designated as Priority 1 (if ● is blinking) or as Priority 2 (if ● is steady).*
	Unread message in the Inbox.
	User's Inbox is full.
	Radio is in Emergency mode.
	The Privacy feature is enabled.
	The Privacy feature is disabled.
((•))	The Site Roaming feature is enabled.*
	In the absence of a repeater, radio is currently configured for direct radio to radio communication.*

* Not applicable in Capacity Plus

Call Icons

The following icons appear on the radio's display during a call. These icons also appear in the Contacts list to indicate ID type.

👤	Indicates a Private Call in progress. In Contacts list, it indicates a subscriber alias or ID.
👥	Indicates a Group Call or All Call in progress. In Contacts list, it indicates a group alias or ID.

Sent Items Icons

The following icons appear at the top right corner of the radio's display in the Sent Items folder.

☑	The text message is sent successfully.
☒	The text message cannot be sent.
⧗	• The text message to a group alias or ID is pending transmission. • The text message to a subscriber alias or ID is pending transmission, followed by waiting for acknowledgement.

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.

Powering the Radio On or Off

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.

Selecting a Zone

Press the programmed **Zone** button and proceed to Step 3.
OR
Follow the procedure below.

1 ▭ to access the menu.

2 ◄ or ▼ to Zone and press ⊛ to select.

3 The current zone is displayed and indicated by a ✓.

4 ◄ or ▼ to the required zone and press ⊛ to select.

5 The display shows <Zone> Selected momentarily and returns to the selected zone screen.

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

1 Press the On/Off Button.

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 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 alias or ID.
OR
⌧ to access the menu.
◀ or ▶ to Contacts and press ⊛ to select.
◀ or ▶ to the ID you want to call and press ⊛ to select.

2 Press the **PTT** button to make the call. The green LED lights up. The display shows the group alias or ID, and the Group Call icon.

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 When the target radio responds, the green LED blinks. You see the Group Call icon, the group ID, and target radio ID on your display.

7 📵 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 programmed period of time, the call ends.

To make a call to a group of users, your radio must be configured as part of that group.

📵 *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 a 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 subscriber alias or ID.
OR
⌧ to access the menu.
◀ or ▶ to Contacts and press ⊛ to select.
◀ or ▶ to the ID you want to call and press ⊛ to select.

2 Press the **PTT** button to make the call. The green LED lights up. The first line displays the target radio's ID. The

second line displays Private Call and the Private Call icon.

3 Wait for the Talk Permit Tone to finish (if enabled). Speak clearly into the microphone.

4 Release the **PTT** button to listen.

5 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 programmed period of time, the call ends.

6 You hear a short tone. The display shows Call Ended.

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 alias or ID.

2 Press the **PTT** button to make the call. The green LED lights up. The display shows the All Call group alias or ID, and the All Call icon

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, a message appears and remains on your radio's display until the call ends. You will not be able to continue with any menu navigation or editing until the call ends.*

Once the All Call ends, the radio returns to the menu prior to receiving the call.

Scanning Channels

NOTE: This feature is not applicable in Capacity Plus.

Press the programmed **Scan** button to turn scan on or off.
OR
Follow the procedure below.

1 🔲 to access the menu.

2 ◀ or ▶ to Scan and press 🆗 to select.

3 You see Scan On or Scan Off depending on previous selection.

During scan, the yellow LED blinks and the scan icon is displayed.

Making a Call Alert

Press the programmed **One Touch Access** button and proceed to Step 5.
OR
Follow the procedure below.

1 🔲 to access the menu.

2 ◀ or ▶ to Contacts. Press 🆗 to select.

3 ◀ or ▶ to the required subscriber alias or ID and press 🆗 to select.

4 ◀ or ▶ to Call Alert and press 🆗 to select.

5

5 The display shows Call Alert: <Subscriber Alias or ID>. The green LED lights up.

6 If the Call Alert acknowledgement is received, a tone sounds and the display shows Call Alert Successful.
OR
If the Call Alert acknowledgement is not received, a tone sounds and the display shows Call Alert Failed.

■ Sending a Quick Text
Message 🔵

Press the programmed **Text Messaging** button and proceed to Step 3.
OR
Press the programmed **One Touch Access** button to send a predefined Quick Text message to a predefined alias or ID and proceed to Step 6.
OR
Follow the procedure below.

1 🔲 to access the menu.

2 ◀ or ▶ to Messages and press ⊛ to select.

3 ◀ or ▶ to Quick Text and press ⊛ to select.

4 ◀ or ▶ to the required Quick Text and press ⊛ to select.

5 ◀ or ▶ to the required alias or ID and press ⊛ to select.

6 The display shows Text Message: <Subscriber/Group Alias or ID>.

7 If the message is sent successfully, a tone sounds and the display shows Message Sent.
OR

If the message cannot be sent, the display shows Message Send Failed.

If the message fails to send, the radio returns you to the Resend option screen.

- *Press ⊛ to resend the message to the same subscriber/group alias or ID.*
- *Select Forward to send the message to another subscriber/group alias or ID.*
- *Select Edit to edit the message before sending it.*

NOTE: Once a message is sent to another radio, it is saved in Sent Items. The most recent sent text message is always added to the top of the Sent Items list.

The Sent Items folder stores a maximum of thirty (30) last sent

messages. When the folder is full, the next sent text message automatically replaces the oldest text message in the folder.

The icon at the top right corner of the screen indicates the status of the message.

### ■ Replying to a Text Message with
### Quick Text from the Inbox 🔵

Press the programmed **Text Messaging** button and proceed to Step 3.
OR
Follow the procedure below.

1 🔲 to access the menu.

2 ◀ or ▶ to Messages and press ⊛ to select.

3 ◀ or ▶ to Inbox. Press ⊛ to select.

4 ◀ or ▶ to the required message and press ⊛ to select.
A subject line may be shown if the message is from an e-mail application.

5 Press ⊛ once more to access the sub-menu.

6 ◀ or ▶ to Reply and press ⊛ to select.

7 ◀ or ▶ to Quick Text and press ⊛ to select.

8 Press ⊛ once more to send the reply.

9 The display shows Text Message: <Subscriber/Group Alias or ID>.

10 If the message is sent successfully, a tone sounds. The display shows Message Sent.
OR
If the message cannot be sent, the display shows Message Send Failed.

If the message fails to send, the radio returns you to the Resend option screen.

- *Press ⊛ to resend the message to the same subscriber/group alias or ID.*
- *Select Forward to send the message to another subscriber/group alias or ID.*
- *Select Edit to edit the message before sending it.*

Sending an Emergency Alarm

1 Press the programmed **Emergency** button or the **Emergency** footswitch.

2 The display shows Sending Alarm, which alternates with your radio ID. The green LED lights up and the Emergency icon appears on the Home screen display.

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

4 Radio exits the Emergency Alarm mode and returns to the Home screen.

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.
OR
Follow the procedure below.

1 ☰ to access the menu.

2 ◀ or ▶ to Utilities. Press ⊛ to select.

3 ◀ or ▶ to Radio Settings. Press ⊛ to select.

4 ◀ or ▶ to Privacy. Press ⊛ to select.

5 The display shows Privacy and Turn On. Press ⊛ to enable privacy. The display shows Privacy On.
OR
The display shows Privacy and Turn Off. Press ⊛ to disable privacy. The display shows Privacy Off.

IP Site Connect 🔵

NOTE: This feature is not applicable in Capacity Plus.

Press the programmed **Site Lock On/Off** button to toggle automatic site roaming on or off.
OR
Follow the procedure below.

1 ☰ to access the menu.

2 ◀ or ▶ to Utilities. Press ⊛ to select.

3 ◀ or ▶ to Radio Settings. Press ⊛ to select.

4 ◀ or ▶ to Site Roaming. Press ⊛ to select.

5 ◄ or ► to Unlock Site. Press
ⓞⓚ to select. The display shows Site
Unlocked.

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. The display shows
the site roaming icon.

OR

◄ or ► to Lock Site. Press ⓞⓚ
to select. The display shows Site
Locked. The LED turns off.

OR

Press the programmed **Manual Site
Roam** button and proceed to Step 6.

OR

Follow the procedure below.

1 menu to access the menu.

2 ◄ or ► to Utilities. Press ⓞⓚ
to select.

3 ◄ or ► to Radio Settings.
Press ⓞⓚ to select.

4 ◄ or ► to Site Roaming. Press
ⓞⓚ to select.

5 ◄ or ► to Active Search. Press
ⓞⓚ to select.

6 A tone sounds. The display shows
Finding Site.
The green LED blinks.

7 If a new site is found, a tone sounds,
and the LED turns off. The display
shows Site <Alias> Found.
OR
If there is no available site within
range, a tone sounds, and the LED
turns off. The display shows Out of
Range.
OR
If a new site is within range, but the
radio is unable to connect to it, a tone
sounds, and the LED turns off. The
display shows Channel Busy.

8 The radio returns to the Home screen.

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