

PROFESSIONAL DIGITAL TWO-WAY RADIO SYSTEM

# MOTOTRBO™ DP 3600/DP 3601 DISPLAY PORTABLE QUICK REFERENCE GUIDE





## DP 3600/3601 Portables 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 6864117B25) 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.motorolasolutions.com/governmentandenterprise>

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### Your Quick Reference Guide

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

**NOTE:** Refer to User Guide for more details on your radio's operations/features.

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.

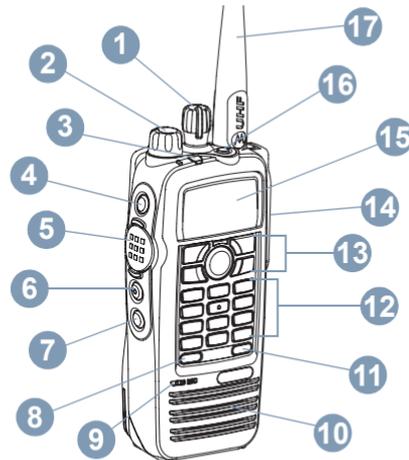
Selected features are also available on the single-site trunking mode, Capacity Plus.

### Radio Controls

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

**SP** represents Short Press.

**LP** represents Long Press.

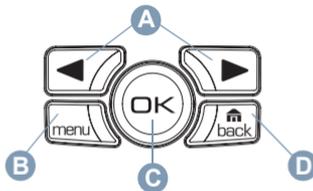


- 1 Channel Selector Knob
- 2 On/Off/Volume Control Knob
- 3 LED Indicator
- 4 Side Button 1 (Programmable)  
**SP:** \_\_\_\_\_  
**LP:** \_\_\_\_\_
- 5 Push-to-Talk (PTT) Button
- 6 Side Button 2 (Programmable)  
**SP:** \_\_\_\_\_  
**LP:** \_\_\_\_\_

- 7 Side Button 3 (Programmable)  
SP: \_\_\_\_\_  
LP: \_\_\_\_\_
- 8 Front Button P1 (Programmable)  
SP: \_\_\_\_\_  
LP: \_\_\_\_\_
- 9 Microphone
- 10 Speaker
- 11 Front Button P2 (Programmable)  
SP: \_\_\_\_\_  
LP: \_\_\_\_\_
- 12 Keypad
- 13 Menu Navigation Keys
- 14 Universal Connector for Accessories
- 15 Display
- 16 Emergency Button (Programmable)  
SP: \_\_\_\_\_  
LP: \_\_\_\_\_
- 17 Antenna

## Menu Navigation Buttons

- A Left/Right Navigation Keys
- 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.
-  Radio is currently set at Low Power (L) or High Power (H).
-  Tones are turned 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.

-  Scan feature is enabled.\*
-  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.\*
-  Radio bypasses the repeater and communicates directly with another radio.\*
-  The number of bars (0 – 4) shown indicates the charge remaining in the battery. Blinks when the battery is low.

\* Not applicable in Capacity Plus

## ■ Call Icons

The following icons appear during a call, and 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.



Indicates a Phone Call as Private Call in progress. In Contacts list, it indicates a subscriber alias or ID.



Indicates a Phone Call as Group/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 Indicator

**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, all Capacity Plus channels are currently busy or in locked state.

**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 Up and Turning Off the Radio

Rotate the On/Off/Volume Control Knob clockwise until you hear a click to turn on the radio, and counterclockwise until you hear a click to turn it off.

## ■ Adjusting the Volume

Turn the On/Off/Volume Control Knob clockwise or counterclockwise.

**NOTE:** Your radio can be programmed to have a minimum volume offset where the volume level cannot be turned down fully. Check with your dealer or system administrator for more information.

## ■ Accessing the Radio from Password

Power up the radio.

- 1 You hear a continuous tone. The first line of the display shows `Enter Password:`. The second line of the display shows a blinking cursor.
- 2 Enter a four-digit password. The second line of the display shows `****`. Press  to proceed. You hear a positive indicator tone for every digit pressed. Press 

remove the last \* on the display. You hear a negative indicator tone, if you press  when the second line of the display is empty, or if you press more than four digits.

- 3 If the password is correct:  
Your radio proceeds to power up.

**OR**

If the password is incorrect:  
The display shows *Wrong Password*. Repeat Steps 1 and 2.  
Password less than four digits is incorrect.

**OR**

After the third incorrect password, the display shows *Wrong Password* and then, shows *Radio Locked*. A tone sounds and the LED double blinks yellow.

*Your radio enters into locked state for 15 minutes, and responds to inputs from **On/Off/Volume Control Knob** and programmed **Backlight** button only.*

**NOTE:** The radio is unable to receive any call, including emergency calls, in locked state.

### ■ 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 proceed to Step 7.
- OR**  
Key in the first character of the required zone.

- 5 A blinking cursor appears.  
Use the keypad to type the required zone.  
Press  to move one space to the left.  
Press  to move one space to the right.  
Press the \*DEL key to delete any unwanted characters.

- 6 The first line of the display shows the characters you keyed in. The second line of the display shows the required zone.  
The alias search is case-insensitive. If there are two or more zones with the same name, the radio displays the zone that is listed first in the zone list.

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

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

- 1 Turn the On/Off/Volume Control Knob to power up your radio.
- 2 Turn the Channel Selector Knob to select the required channel, subscriber ID, or group ID.

### ■ Capacity Plus

Turn the Channel Selector Knob clockwise or counterclockwise to access channels with Capacity Plus.

### ■ Making a Group Call

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

**OR**

Long press the programmed number key and proceed to Step 2.

**OR**

Follow the procedure below.

- 1 Turn the Channel Selector Knob to select the channel with the active group alias or ID.
- OR**

 to access the menu.

 or  to **Contacts**. Press  to select.

 or  to the alias or ID you want to call and press  to select.

---

2 Hold the radio vertically 1 to 2 inches (2.5 to 5.0 cm) from your mouth.

---

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

---

4 Wait for the Talk Permit Tone to finish (if enabled).

**OR**

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

---

5 Speak clearly into the microphone.

---

6 Release the **PTT** button to listen. When the target radio responds, the LED blinks green. Display shows the Group Call icon, the group ID, and target radio ID.

---

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**

Long press the programmed number key and proceed to Step 2.

**OR**

Follow the procedure below.

1 Turn the Channel Selector Knob to select the channel with the active subscriber alias or ID.

**OR**

 to access the menu.

 or  to **Contacts**. Press  to select.

 or  to the ID you want to call and press  to select.

**OR**

Use the keypad to type the required alias.

The first line of the display shows the characters you keyed in. The second line of the display shows the required alias.

---

2 Hold the radio vertically 1 to 2 inches (2.5 to 5.0 cm) from your mouth.

---

3 Press the **PTT** button to make the call. The LED lights up solid green. The first line displays the subscriber alias or ID. The second line displays **Private Call** and the Private Call icon.

---

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

---

5 Release the **PTT** button to listen. When the target radio responds, the LED blinks green.

- 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 programmed period of time, the call ends.

- 
- 7 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

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

Long press the programmed number key and proceed to Step 2.

**OR**

Follow the procedure below.

- 1 Turn the Channel Selector Knob to select the channel with the active All Call group alias or ID.

---

- 2 Hold the radio vertically 1 to 2 inches (2.5 to 5.0 cm) from your mouth.

---

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

---

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

---

- 5 Speak clearly into the microphone.

---

- 6 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.*

## ■ Making a Phone Call

Press the programmed **One Touch Access** button and proceed to Step 2. If the entry for the **One Touch Access** button is empty, a negative indicator tone sounds.

**OR**

Press the programmed **Phone** button and proceed to Step 2.

**OR**

Follow the procedure below.

- 1  to access the menu.  
 or  to **Contacts**. Press  to select.

---

- 2  or  to the ID you want to call.  
**OR**  
Use the keypad to type the required alias. The first line of the display shows the characters you keyed in. The second line of the display shows the required alias.

---

- 3 Press  to select.

---

- 4  or  to **Call Phone** and press  to select. If the access code was not preconfigured in the Contacts list, the first line of the display shows **Access Code:**. The second line of the display shows a blinking cursor. Enter the access code and press  to proceed.

The first line of the display shows **Calling**. The second line of the display shows the subscriber alias or ID, and the Phone Call icon.

**5** If successful:

The DTMF tone sounds. You hear the dialing tone of the telephone user. The first line of the display shows the subscriber alias or ID, and the RSSI icon. The second line of the display shows **Phone Call** and the Phone Call icon.

**OR**

If unsuccessful:

A tone sounds and the display shows **Phone Call Failed**. Your radio returns to the Access Code input screen.

If the access code was preconfigured in the Contacts list, the radio returns to the screen you were on prior to initiating the call.

**6** Hold the radio vertically 1 to 2 inches (2.5 to 5.0 cm) from your mouth.

**7** Press the **PTT** button to talk and release it to listen. The RSSI icon disappears during transmission. To enter extra digits, if requested by the Phone Call:  
Press any keypad to begin the input of extra digits. The first line of the display shows **Extra Digits:**. The second

line of the display shows a blinking cursor. Enter the extra digits and press **OK** to proceed. The DTMF tone sounds and the radio returns to the previous screen.

**OR**

Press **One Touch Access** button. The DTMF tone sounds. If the entry for the **One Touch Access** button is empty, a negative indicator tone sounds.

**8** Press **End Call** to end the call.

If deaccess code was not preconfigured in the Contacts list, the first line of the display shows **De-Access Code:**. The second line of the display shows a blinking cursor. Enter the deaccess code and press **OK** to proceed. The radio returns to the previous screen.

**9** The DTMF tone sounds and the display shows **Ending Phone Call**.

**10** If successful:

A tone sounds and the display shows **Phone Call Ended**. Your radio returns to the Call Phone screen.

**OR**

If unsuccessful:

Your radio returns to the Phone Call screen. Repeat Steps 8 and 9 or wait for the telephone user to end the call.

*When you press **PTT** button while in the Phone Contacts screen, a negative indicator tone sounds and the display shows **Press OK to Place Phone Call**.*

*When the telephone user ends the call, a tone sounds and the display shows **Phone Call Ended**.*

*If the call ends while you are entering the extra digits requested by the Phone Call, your radio returns to the screen you were on prior to initiating the call.*

**NOTE:** During channel access, press **End Call** to dismiss the call attempt and a negative indicator tone sounds. Your radio returns to the Call Phone screen.

During the call, when you press **One Touch Access** button with the deaccess code preconfigured or enter the deaccess code as the input for extra digits, your radio attempts to end the call.

During channel access and access/deaccess code or extra digits transmission, your radio responds to **On/Off/Volume Control Knob** and **Channel Selector Knob** only. A tone sounds for every invalid input.

The access or deaccess code

cannot be more than 10 characters.

## ■ 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 LED blinks yellow 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 The display shows **Call Alert:**  
<Subscriber Alias or ID>. The LED lights up solid green.

- 6 If the Call Alert acknowledgement is received, a tone sounds. Display shows **Call Alert Successful**.  
**OR**  
If the Call Alert acknowledgement is not received, a tone sounds. Display shows **Call Alert Failed**.

## ■ Sending a Quick Text Message

Press the programmed **Text Message** 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**. 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. 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 Message** button and proceed to Step 3.

**OR**

Follow the procedure below.

- 1  to access the menu.
- 2  or  to **Messages**. 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. 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 On** button.
- 2 The display shows **Sending Alarm**, which alternates with your radio ID. The LED lights up solid green and the Emergency icon appears on the Home screen display.
- 3 When an Emergency Alarm acknowledgment is received, the Emergency tone sounds and the LED blinks green. 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 **OK** 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 **OK** to select.

---

3  or  to **Radio Settings**. Press **OK** to select.

---

4  or  to **Site Roaming**. Press **OK** to select.

---

5  or  to **Unlock Site**. Press **OK** to select. The display shows **Site Unlocked**.

The LED blinks yellow 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 **OK** 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  to access the menu.

---

2  or  to **Utilities**. Press **OK** to select.

---

3  or  to **Radio Settings**. Press **OK** to select.

---

4  or  to **Site Roaming**. Press **OK** to select.

---

5  or  to **Active Search**. Press **OK** to select.

---

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

---

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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