



User Guide

MDT: Changing GMT Offset for Standard Time and Daylight Savings Time

WebTech Wireless Inc.

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215-4299 Canada Way, Burnaby, BC V5G 1H3 Canada

Send an email to documentation@webtechwireless.com if you have any comments, suggestions or corrections about this document.

Updated versions of this manual are available on the customer portal at www.webtechwireless.com.

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Changing GMT Offset on the MDT

Daylight Savings Time (DST) Changes

The U.S. Energy Policy Act of 2005 extended Daylight Saving Time (DST) by approximately four weeks. Starting in 2007, DST starts three weeks earlier on March 11, 2007 and ends one week later on November 4, 2007.

The new DST is in effect in the following locations:

- United States, excluding Arizona, Hawaii, Puerto Rico, the U.S. Virgin Islands, and American Samoa
- Canada, excluding most of Saskatchewan

Note The new DST is NOT being implemented in Mexico.

Year	DST Begins at 2 AM	DST Ends at 2 AM
2007	March 11	November 4
2008	March 9	November 2
2009	March 8	November 1
2010	March 14	November 7

Table 1-1 DST Timetable 2007-2010

Note Newfoundland and Labrador Daylight Saving Time begins and ends one minute after 00:00 (midnight).

Time Zone	GMT Offset during Extended DST (March - <i>Spring Forward</i>)	GMT Offset during Standard Time (November - <i>Fall Back</i>)
Newfoundland and Labrador	-2h 30 m	-3h 30 m
Atlantic	-3h	-4h
Eastern	-4h	-5h
Central	-5h	-6h
Mountain	-6h	-7h
Pacific	-7h	-8h

Table 1-2 GMT offset during extended DST or Standard Time

The MDT does not automatically update with the new time.

There are three ways to update the time on the MDT:

1. If the OTA feature is enabled, a company administrator can send an over-the-air (OTA) command from Quadrant to one or more MDTs to change the time. Customers located in Newfoundland and Labrador must contact Technical Support for assistance.
2. For MDTs that have not had the keypad or feature disabled by WebTech Technical Support, and depending on the MDT firmware version, you can change the time directly on the MDT terminal using the knob.
3. Contact Technical Support to assist with sending OTA commands to the MDTs.

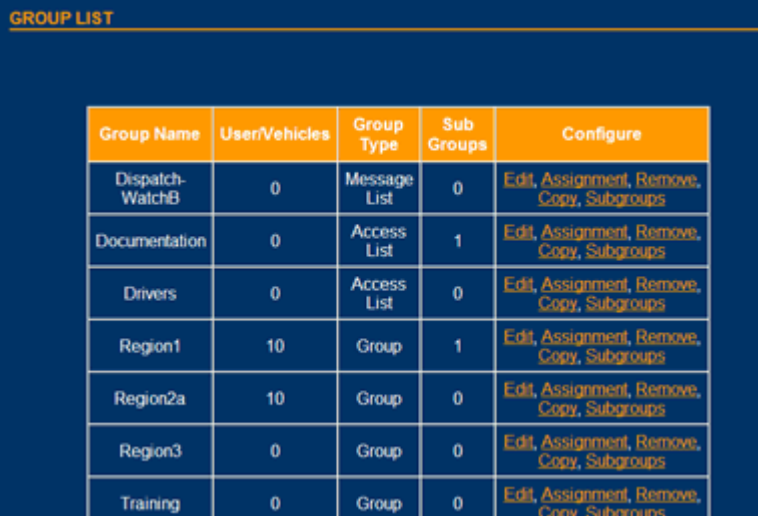
Changing the MDT GMT Offset OTA from Quadrant

Step 1. Log into Quadrant

1. In your Internet browser, type **www.webtechwireless.com**.
2. In the top right corner, click **Login**.
3. Type your **User Name** and **Password**.
When you log into Quadrant, the Quadrant Portal opens.

Step 2. Create a Vehicle Group & Add the MDT Equipped Vehicles

1. On the Quadrant main menu, click **Administration>Group Admin**. The **Group List** window opens.



Group Name	User/Vehicles	Group Type	Sub Groups	Configure
Dispatch-WatchB	0	Message List	0	Edit, Assignment, Remove, Copy, Subgroups
Documentation	0	Access List	1	Edit, Assignment, Remove, Copy, Subgroups
Drivers	0	Access List	0	Edit, Assignment, Remove, Copy, Subgroups
Region1	10	Group	1	Edit, Assignment, Remove, Copy, Subgroups
Region2a	10	Group	0	Edit, Assignment, Remove, Copy, Subgroups
Region3	0	Group	0	Edit, Assignment, Remove, Copy, Subgroups
Training	0	Group	0	Edit, Assignment, Remove, Copy, Subgroups

2. Scroll to the bottom of the window and click **Create New Group**. The **Group Name** window opens.
3. Enter a name for the new group in the **New Group Name** field.

In the **Group Type** list, select **Group** or **Vehicle List**.

Note For more information about Groups and Vehicle Lists, click **Help** in the upper right corner of the Quadrant Portal. This links you to the online Quadrant Help file with details about all available Quadrant features.

4. Click **Submit**.

A message confirms the group is created successfully.

Wait for a moment for the message window to close and the Group List window to open in its place.

The group is displayed in the **Group List**.

Under **Group Name**, locate the Group or Vehicle List you want to configure and click **Edit** in the Configure column.

The **Group Configuration** window opens.

5. Under **Available Members**, select the vehicles to add to the Group or Vehicle List. Remember to select only those vehicles equipped with MDTs.

Hold down **CTRL** to select multiple vehicles.

Click **Add>** to add the selected vehicle(s) to the Group or Vehicle List.

-OR-

Click **Add All>>** to add all vehicles to this Group or Vehicle List.

6. Under **Group Members**, select the vehicles to remove (if any) from the Group or Vehicle List.

Hold down **CTRL** to select multiple vehicles.

Click **<Remove** to remove the selected vehicle(s) from the Group or Vehicle List.

-OR-

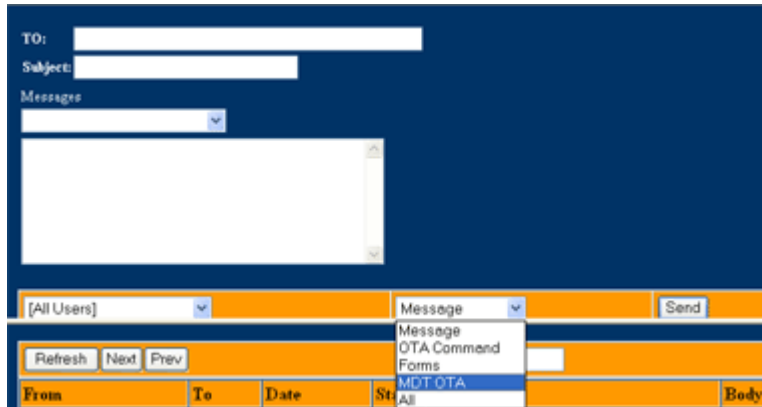
Click **<<Remove All** to remove all vehicles from this Group or Vehicle List.

7. Click **OK**.

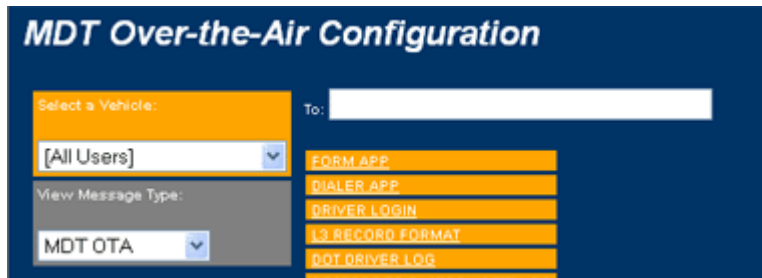
A message confirms the Group or Vehicle List is updated successfully. Wait for a moment for the message window to close and the Group List window to open in its place. The vehicles are added (or changes made) to the Group or Vehicle List. The total number of vehicles are displayed in the User/Vehicles column.

Step 3. Change the GMT Offset Over-the-Air (OTA)

1. On the Quadrant main menu, click **Messaging>Messaging**. The **Messaging** window opens.



2. From the upper half of the messaging screen, select **MDT OTA** from the drop down list. The **MDT Over-The-Air Configuration** screen opens.



3. From the upper half of the messaging screen, select the Vehicle equipped with the MDT to be configured OTA.
-OR-
Select the Group or Vehicle List containing all the vehicles equipped with MDTs.
4. Select a time zone offset from the **GMT Offset** drop down list. See Table 1-2 for a list of GMT offsets by time zone.

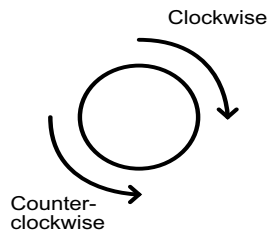


5. Press **Send**. All the vehicles in the Group are updated with the new time.
6. When you are finished, click the red X to close the Messaging window.

Changing the GMT Offset on the MDT Terminal: Firmware Versions 4.1.110 and Higher

Note One click (clockwise or counter clockwise) of the knob changes the time by 15 minute increments.

IMPORTANT! The knob is disabled between each turn unless **F4** is pressed first.



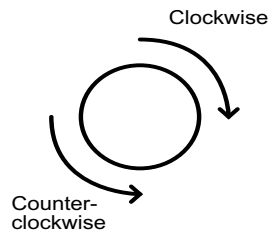
1. Login to the MDT.
The main menu screen opens and the current date and time are displayed on the terminal.
2. To change the time to Extended DST (*spring forward*):
 - a. Press **Ent**.
 - b. Press **F4 (GMT+/-)**.
 - c. Turn the knob clockwise once.
The time moves forward by 15 minutes.
 - d. Press **F4**.
 - e. Turn the knob clockwise once.
The time moves forward another 15 minutes.
 - f. Repeat twice more to move the clock forward the full hour.
3. To change the time back to Standard Time (*fall back*):
 - a. Press **Ent**.
 - b. Press **F4 (GMT+/-)**.
 - c. Turn the knob counter-clockwise once.
The time moves backwards by 15 minutes.
 - d. Press **F4**.
 - e. Turn the knob counter-clockwise once.
The time moves backwards another 15 minutes.
 - f. Repeat twice more to move the clock back the full hour.

Changing the GMT Offset on the MDT Terminal: Firmware Version 4.1.109

The MDT firmware version number is displayed in the upper left corner of the terminal after you have logged in. See Figure C.1 for an example.

For MDTs that have not had the keypad or feature disabled by WebTech Technical Support, and for those with the most recent firmware, you can change the time directly on the MDT terminal using the knob and then by pressing 0 (zero) on the keypad.

Note One click (clockwise or counter clockwise) of the knob changes the time by 15 minute increments.



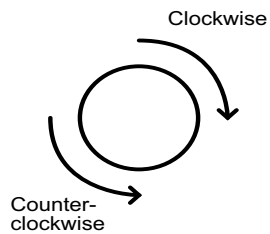
1. Login to the MDT.
The main menu screen opens and the current date and time are displayed on the terminal.
2. To change the time to Extended DST (*spring forward*):
 - a. Turn the knob clockwise one click and **immediately press 0** (zero) on the key pad.
The time moves forward by 15 minutes.
 - b. Turn the knob clockwise one click and **immediately press 0** (zero) on the key pad.
The time moves forward by another 15 minutes.
 - c. Repeat twice more to move the clock forward the full hour.
3. To change the time back to Standard Time (*fall back*):
 - a. Turn the knob counterclockwise one click and **immediately press 0** (zero) on the key pad.
The time moves forward by 15 minutes.
 - b. Turn the knob counterclockwise one click and **immediately press 0** (zero) on the key pad.
The time moves forward by another 15 minutes.
 - c. Repeat twice more to move the clock back the full hour.

Changing the GMT Offset on the MDT: Firmware Versions 4.1.105 and Older

The MDT firmware version number is displayed in the upper left corner of the terminal after you have logged in. See Figure C.1 for an example.

For MDTs that have not had the keypad or feature disabled by WebTech Technical Support, and for those with firmware versions 4.1.105 and older, you can change the time directly on the MDT terminal using the knob.

Note One click (clockwise or counter clockwise) of the knob changes the time by 1 hour increments.



1. Login to the MDT.
The main menu screen opens. The current date and time are displayed on the terminal.
2. To change the time to Extended DST (*spring forward*):
 - a. Turn the knob clockwise by one click.
The time moves forward by one hour.
3. To change the time back to Standard Time (*fall back*):
 - a. Turn the knob counter clockwise by one click.
The time moves back by one hour.

Note It may take a few seconds for the time change to display on the MDT screen.

