

May 2015

## SUPPORT BULLETIN

### Positioning Services



#### Configuring Trimble FmX/Case FM-1000 For New Frequency and Baud Rate

The following instructions will instruct you how to change the frequency and baud on your Trimble FmX/Case FM-1000. To determine what new frequency and baud rate should be used in your region, please refer to [www.trimble.com/sat](http://www.trimble.com/sat).

*Please make sure your antenna is in clear view of the sky.*

#### Changing the Frequency and Baud Rate Settings

The following instructions will guide you through the process of changing your Frequency and Baud Rate for RangePoint RTX, CenterPoint RTX, and OmniSTAR HP/XP/G2, and should only take several minutes to complete.

1. Turn on your Trimble FmX Integrated Display.
2. Once your FmX is turned on, it should be sitting at the home screen. From the home screen, click on the “Configuration” button. 
3. At the *Configuration* screen, tap  *GPS Receiver*, and then tap *Setup*. This will bring up the *GPS Receiver Settings* screen.
4. On the *GPS Receiver Settings* screen, check to ensure the appropriate corrections service is selected from the “Corrections” dropdown list. CenterPoint RTX standard satellite should read “CenterPoint RTX (ss)”, while RangePoint RTX will read “RangePoint RTX”. Customers using CenterPoint RTX Fast will see “CenterPoint RTX (fs)”. OmniSTAR customers should select the appropriate service from the dropdown list.

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5. After ensuring that the correct corrections service is selected, click on the Frequencies tab.
6. To change your frequency, click on the “Frequency” box, and key in the appropriate frequency for your area.
7. After keying in the correct frequency, click OK.
8. To change the Baud Rate, click on the dropdown list next to “Baud Rate” select the appropriate Baud Rate for your area, and click OK.
9. After changing the frequency and baud rate from the GPS Receiver Settings screen, click OK to return to the *Configuration* screen.

### Verifying Correct Operation

Once you have reconfigured your receiver to the correct new satellite settings for your region, you can confirm that you are receiving the signal by following the steps below.

1. From the *Configuration* screen, tap  *GPS Receiver*, to highlight it, then click *Diagnostics*.
2. On the *Diagnostics* screen, you should see the status of a number of different items. Please check the following items to ensure they are working properly:
  - For *GPS Configured*, you should see the correct service displayed. Customers using CenterPoint RTX standard satellite should see “CenterPoint RTX (ss)”, CenterPoint RTX Fast customers should see “CenterPoint RTX (fs)”, and RangePoint RTX customers should see “RangePoint RTX”.
  - For *GPS Status*, you should see *Unconverged*, then it should change to *Converged* after 5 minutes for RangePoint RTX and CenterPoint RTX Fast, and after 30 minutes for CenterPoint RTX standard. This could take more or less time depending on the convergence threshold that you set.
  - After confirming that everything is working properly, click OK to return to the *Diagnostics* screen. Click OK again to return to the Home screen.

### For Additional Assistance

If you need additional assistance, please contact your regional Customer Care team.

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