SUPPORT BULLETIN
Positioning Services

Configuring Trimble SPS 585 For New Frequency and Baud Rate
The following instructions will instruct you how to change the frequency and baud on your Trimble SPS 585. To determine what new frequency and baud rate should be used in your region, please refer to www.trimble.com/sat.

Changing the Frequency and Baud Rate Settings for RTX on the SPS 585
The following set of instructions will instruct you how to change the frequency on your Trimble SPS 585.
You can change the frequency and baud rate for tracking the Trimble RTX satellite by using the web user interface (WebUI).

Connecting to the web user interface (WebUI) of the receiver
1. Make sure the receiver is on and in close proximity to your PC.
2. Connect to the receiver via WiFi – it should be listed as Trimble GNSS XXXX, where XXXX is the last 4 digits of the receiver’s serial number.
   a. If you are prompted for a password, the default password is abcdeabcde
3. Once connected to the GNSS receiver, open any modern web browser, such as Google Chrome, and type in http://192.168.142.1
   a. If you are prompted for login credentials, the default username is ‘admin’ and the default password is ‘password’
Note: If the SPS 585 is not listed under WiFi connections, verify that the Wi-Fi icon on the front panel of the receiver is on and blinking; if it is not blinking, hold down the power button for 15 seconds, until you see all the lights on the front panel light up, and then release the power button. This will reset the SPS 585 receiver to default settings, which will turn WiFi on again.

Changing the frequency and baud rate

1. Connect to the WebUI
2. Navigate to the MSS Corrections→Configuration page
   a. Confirm that RTX/xFill is selected
   b. Set SV name to Custom
3. Enter the new satellites settings for your region
   a. Enter the new frequency in the Frequency [Mhz] field
   b. Enter the new baud rate in the Bit Rate [Hz] field
4. Click OK
Changing the Frequency and Baud Rate for xFill on the SPS 585
Trimble xFill utilizes the same satellite beams as Trimble RTX; you can follow the same directions presented in Changing the Frequency and Baud Rate for RTX and xFill will automatically use the new satellite beam settings.

Verifying Correct Operation for Trimble RTX
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.

Verification through the webUI
1. Make sure the receiver is outside with a clear and open view of the sky
2. Connect to the WebUI
3. Navigate to the MSS Corrections ➔ Summary page
4. The Mode field should display Tracking
Verification through the SitePulse field software

1. Make sure the receiver is on, and outside with a clear and open view of the sky and then connect to the receiver by following steps 2-7
2. Tap the **gear icon** to navigate to the Settings page
3. Tap **GNSS Setup**

![GNSS Setup Diagram]

4. Select the correct receiver, or tap **Scan** to search for it

![Configure GNSS Screen]
5. Select **CenterPoint RTX** for the correction method

**Note:** You **may not be able** to select **CenterPoint RTX** if you **do not have a valid CenterPoint RTX subscription**
6. Enter user defined GNSS horizontal and vertical precision tolerances, and tap Accept, then tap OK

**Note:** You may be prompted to measure a datum shift after completing GNSS setup; review the SitePulse user guide for more information

7. Navigate to the Settings page and select the button next to GNSS tolerances
8. Select the **Status** button

9. The Status field will display **Initializing** or **Initialized**
RTX Status

Status: Initialized
Current precisions:
H: 0.26 usef
V: 0.33 usef
For Additional Assistance
If you need additional assistance, please contact your regional Customer Care team.

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