

May 2015

SUPPORT BULLETIN

Positioning Services

Using Trimble AgRemote to Configure New Frequency and Baud Rate on Trimble, Case, and New Holland GNSS Receivers

The following instructions will instruct you how to change the frequency and baud of your device using AgRemote. To determine what new frequency and baud rate should be used in your region, please refer to 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 to change the frequency and baud rate on your device. It may contain sections that are not relevant to your type of unit. Depending on what firmware is in your unit, some of the following screen captures may not apply to your unit, OR you could have extra screens that this document does not have, but the essential screens to change the frequency will be there.

Devices covered by this document

This document provides instructions for changing your frequency and baud rate using Trimble AgRemote. Trimble AgRemote is the software used to manage all Trimble RTX and OmniSTAR services on a number of Trimble, Case, and New Holland devices. The following devices use Trimble AgRemote for configuring OmniSTAR and Trimble RTX services:

- Trimble Ag114
- Trimble Ag132
- Trimble Ag252
- Trimble Ag262
- Trimble Ag332
- Trimble Ag-372
- Case Ag252
- NH 262
- PLM-372
- AFS-372
- Trimble Ag542

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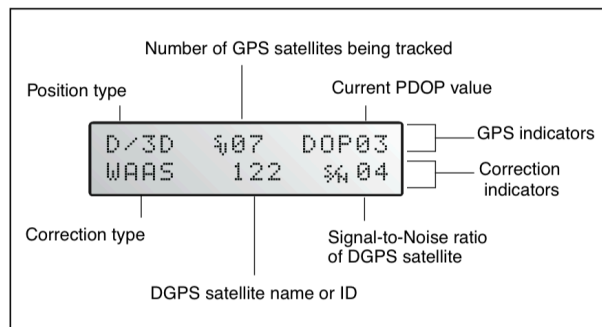
Trimble Navigation Limited, Positioning Services Division, 10368 Westmoor Drive, Westminster, CO 80021, USA

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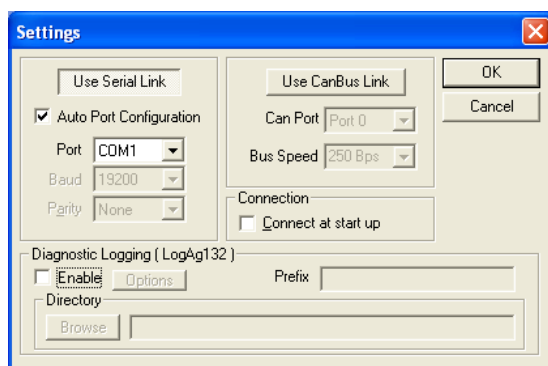
There are 4 basic steps to this process: Connect to AgRemote → Change Frequency → Change Baud Rate → Check antenna and unit works with new frequency.

Connect unit to AgRemote.

1. Bring your unit to the PC (with antenna connected and seeing the sky if possible, but not necessary) OR Take your laptop to your vehicle.
2. Connect power to your unit
3. Connect Port B of your receiver to your PC via a data cable
4. Connect your antenna to your unit, but keep the Antenna outside seeing the sky
5. Open AgRemote (Customers using a Case Pro 600 or Pro 700 display can access AgRemote by going through: Diagnostics → RDI)
6. Click File
7. Click Connect



8. Set your settings the same as this screen. Click OK. If AgRemote doesn't connect, try again with a different port number until AgRemote connects. (The port number could be either 1 through to 9 depending on which serial port you have connected to on your computer.)

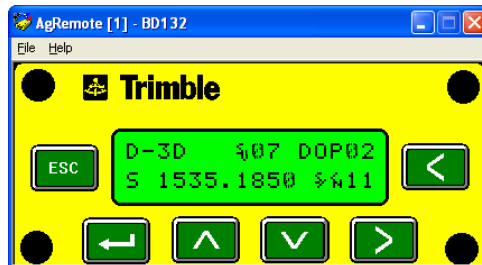



(AgRemote trying to connect to the Receiver)




Changing the Frequency

1. From the Home screen Press Right  until you get to the *Configuration* screen.




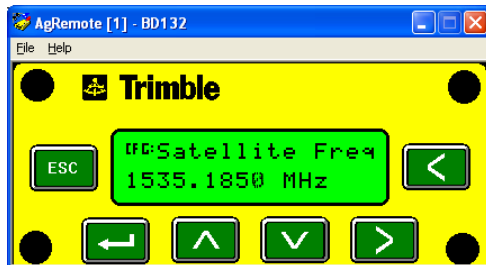
2. From the *Configuration* screen Press Down  once.




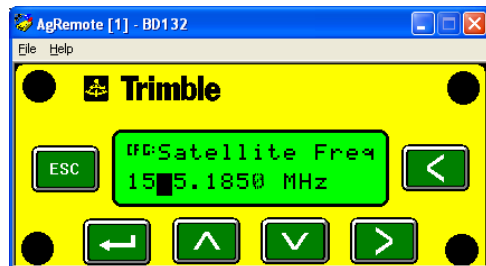
3. Press Right  until you get to the *DGPS Config* screen.








4. Press Down  until you get to the satellite frequency screen. (it may say Omni* Sat Freq or something similar.)

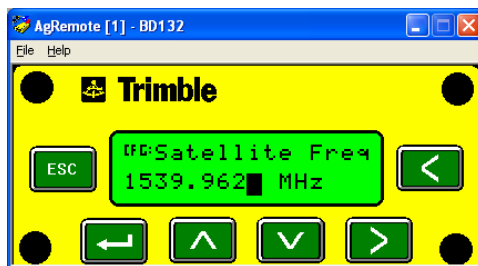




5. Press Right  to bring up a flashing cursor.




6. Press Up  or Down  to change the numbers. Press Left  or Right  to move cursor to next position. Change your frequency to the correct one.

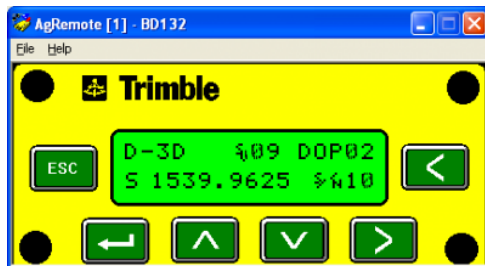
7. Once the correct frequency has been selected press Enter 









- The flashing cursor will stop; The frequency is now set. To be sure the frequency is set, press Down  to go to the next screen and then press Up  to go back the “Satellite Freq” screen. It should now show the new frequency that you just






- Keep pressing Escape  until you reach the home screen. If your antenna is connected and seeing the sky, please continue to the next section.



Changing the Baud Rate

- From the Home screen Press Right  until you get to the configuration screen.
- From the configuration screen Press Down  once.
- Press Right  until you get to the DGPS Config screen.
- Press Down  until you get to the Satellite Baud screen
- Press Right  to scroll through the list of satellite baud rates until you find the one specified for your region. Once you find the correct Baud Rate, press Enter .
- The satellite baud rate is now set. To be sure the baud rate is set properly, press

Down  to go to the next screen and then press Up  to return to the Satellite Baud screen. It should now show the new baud rate that you just set.

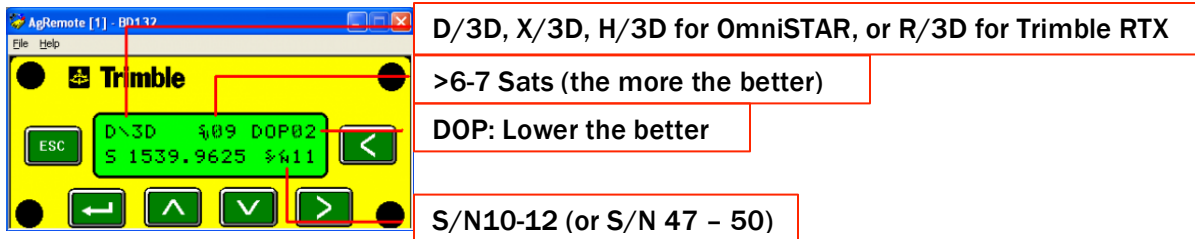
7. To exit out, press Escape  repeatedly until you reach the home screen. If your antenna is connected and under an open sky, you can now move on to set

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 checking the items below. The display screen will provide you with information on the status of your antenna, and whether everything is working properly. The info on this screen will only be valid if your antenna is connected, turned on, and under an open sky. There are several elements to look for:

1. **G/3D: Quality of Position Indicator**
 - G/3D – Giving Autonomous (GPS Only) Positions
 - D/3D – Giving Differential Positions (OmniSTAR VBS)
 - X/3D – Giving OmniSTAR XP Positions
 - H/3D – Giving OmniSTAR HP Positions
 - r/3D – CenterPoint RTX Standard Sat, CenterPoint RTX Fast Sat, or RangePoint RTX Unconverged
 - R/3D - CenterPoint RTX Standard Sat, CenterPoint RTX Fast Sat, or RangePoint RTX Converged
2. **SV09: Number of GPS Satellites**
 - This just shows the number of satellites visible at any given moment. (Generally, the more satellites the better.)
3. **DOP02: Dilution of Precision**
 - How well the satellites are spread across the sky. (The lower the number the better)
4. **S/N11: Signal to Noise Ratio**
 - The strength of the OmniSTAR signal (0to12 or 0to50) being received by your unit and antenna.
 - 10 – 12 (or 47-50) are strong signal strengths
 - Lower values are weaker signal strengths, possibly due to an object between the antenna and the OmniSTAR satellite, interference of some sort (due to atmospheric conditions, solar activity, other man-made or natural causes), or faulty/worn out equipment.

If you have the following status on your screen, it should be working properly:



D/3D, X/3D, H/3D for OmniSTAR, or R/3D for Trimble RTX

>6-7 Sats (the more the better)

DOP: Lower the better

S/N10-12 (or S/N 47 - 50)

For Additional Assistance

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

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