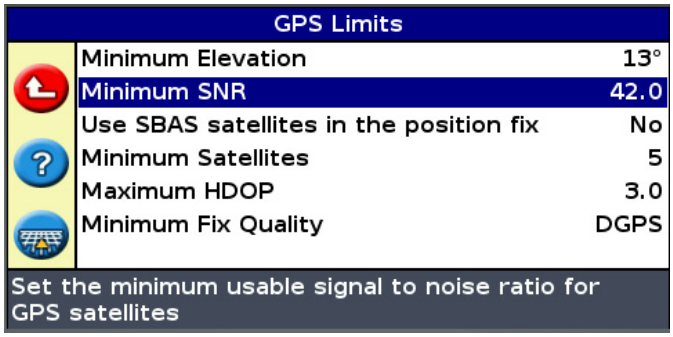
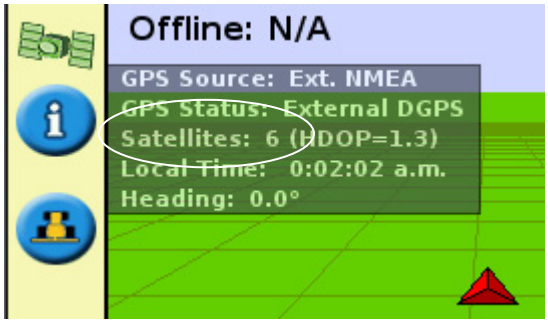
2. If the EZ-Guide 250/500 lightbar is tracking 7 or more satellites and accuracy is poor:
   a. Select *Configuration* / *System* / *GPS* / *GPS Limits*. The *GPS Limits* screen appears.
   b. Increase the elevation mask (the *Minimum Elevation* setting) to 10–13 degrees.
   c. Increase the SNR mask (the *Minimum SNR* setting) to 40.0–42.0 dB.



This stops the lightbar from using poor quality signals from low elevation satellites, and often improves accuracy.

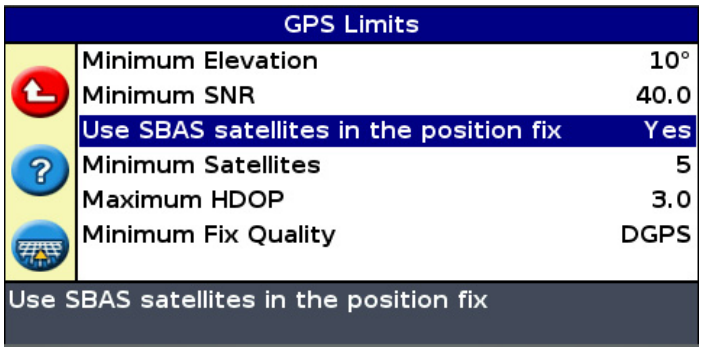
Step 4. If the lightbar is tracking 6 or fewer satellites or HDOP is higher than 1.5, lower the elevation and SNR masks and enable the SBAS satellites option

1. On the main guidance screen, press ⓘ to view the information tab:

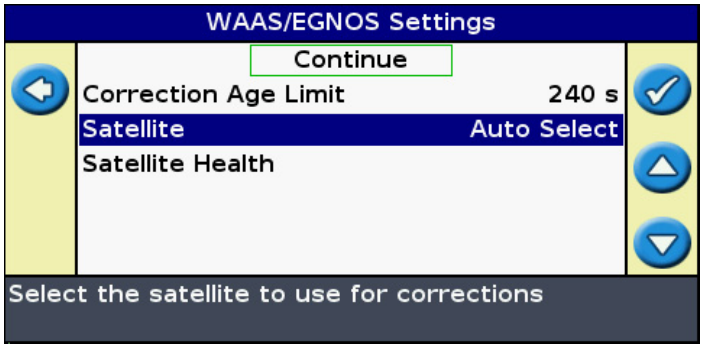


2. If lightbar is tracking 6 or fewer satellites and accuracy is poor:
   a. Select *Configuration* / *System* / *GPS* / *GPS Limits*. The *GPS Limits* screen appears.
   b. Lower the elevation mask (the *Minimum Elevation* setting) to 10 degrees.
   c. Lower the SNR mask (the *Minimum SNR* setting) to 40.0 dB.

3. Set the *Use SBAS satellites in the position fix* option to Yes.



4. Set the *Satellite* option in the GPS Setup Wizard to Auto Select:
   a. Select *Configuration* / *System* / *GPS* / *GPS Setup*. The *GPS Setup* screen appears.
   b. If necessary, set the GPS Source to WAAS/EGNOS.
   c. Select Next and then press OK. The *WAAS/EGNOS Settings* screen appears.
   d. Set the *Satellite* option to Auto Select.



This enables the lightbar to use ranges from up to 2 additional WAAS satellites, and can significantly improve accuracy if:

- few GPS satellites are visible.
- the GPS satellite geometry is poor, causing high HDOP (HDOP > 1.5 can cause poor accuracy).

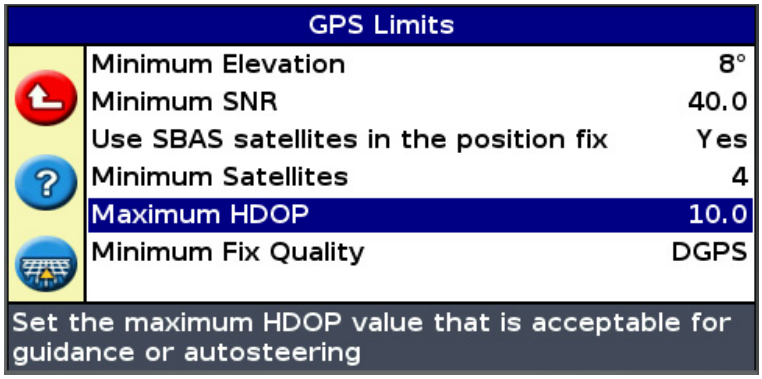
Note: *Very occasionally, the ranges from the WAAS satellites are wrong, so if you see larger drift or jumps with the SBAS satellites enabled, turn this option off.*

Step 5. If you drive under trees and receive low accuracy warnings, lower the masks further

If you have to drive under large trees at the end of swaths, the lightbar may display a Low accuracy warning. This resets the OnPath filter, which can cause significant position jumps.

To avoid this issue:

1. Select *Configuration* / *System* / *GPS* / *GPS Limits*. The *GPS Limits* screen appears.
2. Lower the elevation mask (the *Minimum Elevation* setting) to 8 degrees.
3. Lower the *Minimum Satellites* setting to 4.
4. Increase the *Maximum HDOP* setting to 10.0.



Step 6. Restore factory default settings

If you have tried all of these steps and accuracy is still poor:

1. Write down any EZ-Steer® 500 system or EZ-Boom® 2010 automated application control system calibration settings.
2. Reset the EZ-Guide 250/500 lightbar to the factory default settings. To do this, hold down the ⏻ and ⏸ buttons while you turn on the lightbar.

Note: *Do not reload a saved configuration file after you restore the factory defaults as this may reload sub-optimal GPS settings and eliminate the benefit of the reset.*

After you reset the factory default settings, you may need to repeat steps 1–5 of this Support Note to optimize performance.