



How to set E-PPP, DRSmooth and Glide modes

Introduction

E-PPP includes:

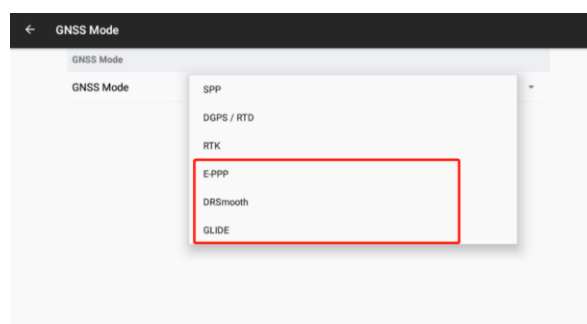
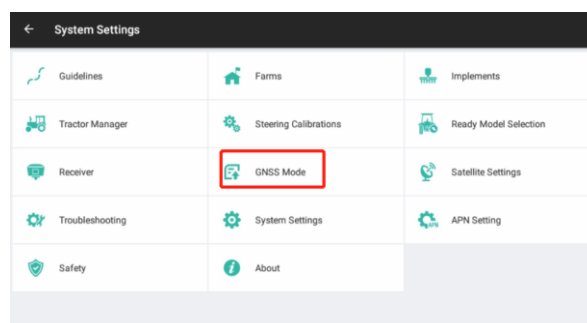
- 1) Satellites correction service from BDS B2b signal (Free but only for part of Asia with 10cm accuracy) for new NX510 SE PA-3 (J1PA01980102010005)
- 2) NX510 PRO Trimble RTX (Extra charged)
- 3) NX510 Plus NovAtel Terrestar (Extra charged)

DRSmooth is CHC own positioning mode without base correction for old NX510 SE PA-3 (J1PA01430903080005) and new one (J1PA01980102010005) to realize centimeter accuracy or submeter accuracy, but it keeps short time around 20 minutes then the accuracy will get worse, so it is necessary to reset per 20 minutes in the software.

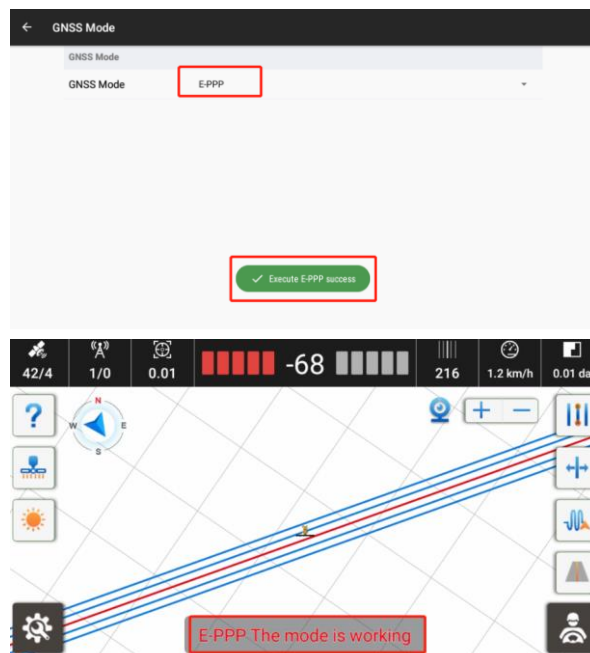
GLIDE feature is for NX510 Plus with NovAtel's GNSS board. NovAtel's GLIDE technology offers superior pass-to-pass performance for applications, such as agricultural guidance, where relative positioning is critical.

Steps

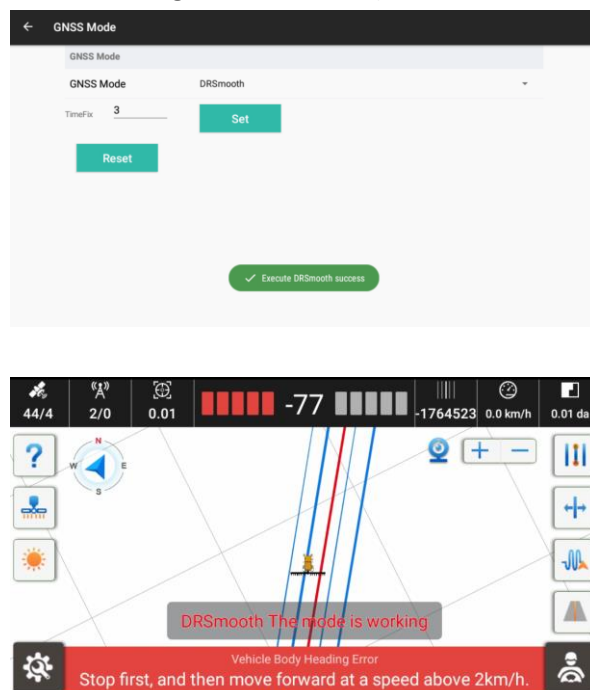
1. Go to **GNSS Mode**, and it is able to see **E-PPP**, **DRSmooth** and **GLIDE** three modes.



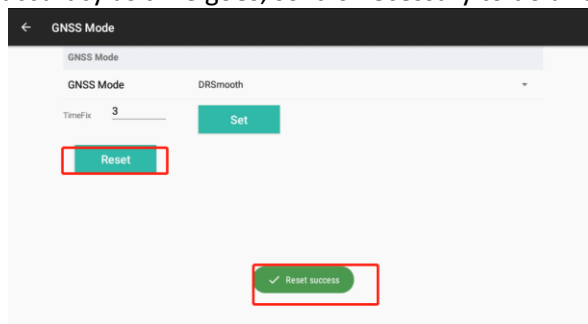
2. Select the **E-PPP** mode then go back to main interface, finally wait around 10-20 minutes to get convergence and high accuracy with 10cm.



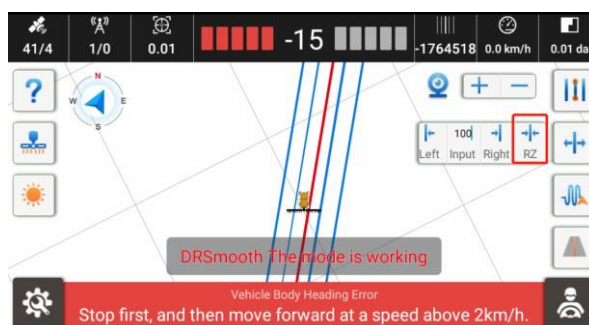
3. It is able to switch to **DRSmooth** mode, then set a value to get Fix solution (The default time to fix value is 3 seconds and the range is from 3-100s).



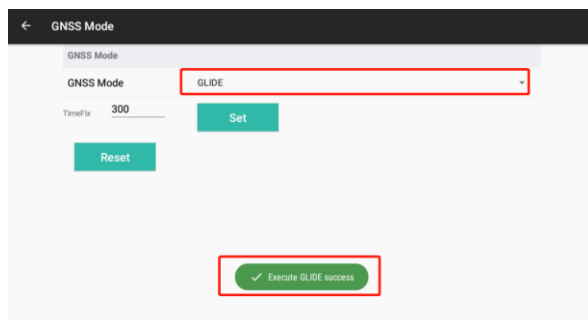
4. After getting worse accuracy as time goes, so it is necessary to do a reset



5. Go back to main interface to do a **RZ** function based on previous guidelines, then it is able to continue to work as before.



6. Also it is able to switch to **GLIDE** mode for NX510Plus, then set a value to get Fix solution (The default time to fix value is 300 seconds and the range is from 1-1200s).





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