Multi-Function Application (MFA) Software

OVERVIEW:

Hemisphere GNSS introduces its new Multi-Function Application (MFA) software that allows you to set the **positioning mode hierarchy** of your device. The hierarchy is the path your device follows to determine what differential source to use depending on available sources. The hierarchy established with the New MFA software is as follows:

1. RTK
2. L-band (high precision, and high precision with GLONASS services)
3. SBAS
4. L-band (DGPS)
5. Beacon
6. External RTCM
7. Autonomous

EXAMPLE:

If you are running RTK and you lose your RTK radio link, the device defaults to the next highest mode, being either L-band high precision service or high precision service with GLONASS (if subscribed) or SBAS (if available). If the new signal becomes unusable, the next mode will be selected (for example, L-band DGPS, or Beacon or External RTCM). Finally, if no correction signals are available, the device defaults to autonomous positional accuracy.

You can include or exclude specific sources. For example, you can exclude sources that you do not want your device to use, such as if you want to use only beacon. If you do not exclude the other sources your device may use SBAS instead. Another example is if you want to exclude L-band (when you do not have an L-band subscription) to conserve power. You include and exclude sources using the $JDIFFX,INCLUDE and $JDIFFX,EXCLUDE commands, respectively.

LINKS:

http://www.hemispheregps.com/gpstechinfo/GPS_Tech_Ref.htm#JDIFF.htm

http://www.hemispheregps.com/gpstechinfo/GPS_Tech_Ref.htm#JDIFFX,INCLUDE.htm

http://www.hemispheregps.com/gpstechinfo/GPS_Tech_Ref.htm#JDIFFX,EXCLUDE.htm

FURTHER INFORMATION:

Please refer to the Hemisphere GNSS Technical Reference located at the following link:

http://hemispheregnss.com/Resources/Technical-Documentation and click the GPS Reference icon for information on these and other commands you can use with your device or contact your dealer.

For support via email, please contact TechSupport@HemisphereGNSS.com