



## Lumenier RID Setup for PX4

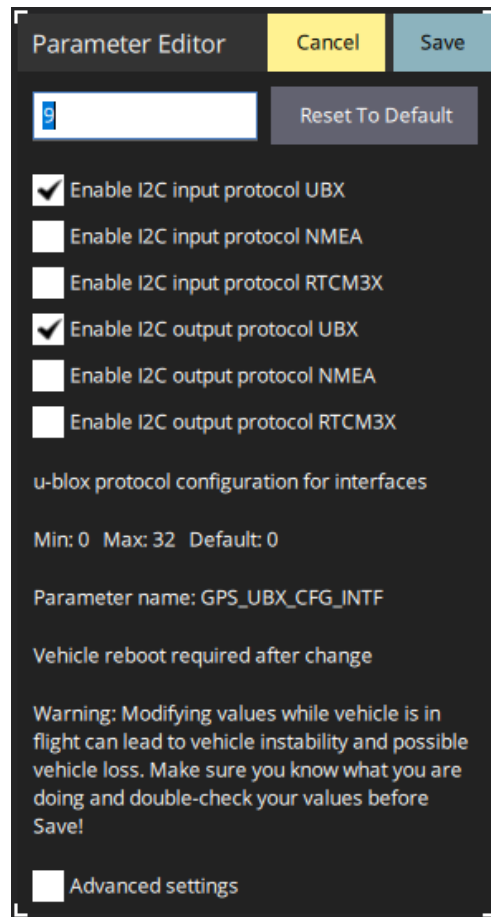
### GPS Settings:

Firmware Version: 1.14.0 (or newer)

Parameters: GPS\_1\_Protocol = u-blox

SER\_GPS1\_Baudrate = AUTO

GPS\_UBX\_CFG\_INTF = 9



**IMPORTANT!** These options for GPS\_UBX\_CFG\_INTF must be enabled for the RID module to work properly! If your RID module LED is solid red, solid green, or not lit at all, double check that GPS\_UBX\_CFG\_INTF is configured properly.



GPS\_1\_GNSS = 29

Parameter Editor Cancel Save

Reset To Default

GPS (with QZSS)  
 SBAS  
 Galileo  
 BeiDou  
 GLONASS

This integer bitmask controls the set of GNSS systems used by the receiver. Check your receiver's documentation on how many systems are supported to be used in parallel. Currently this functionality is just implemented for u-blox receivers. When no bits are set, the receiver's default configuration should be used. Set bits true to enable: 0 : Use GPS (with QZSS) 1 : Use SBAS (multiple GPS augmentation systems) 2 : Use Galileo 3 : Use BeiDou 4 : Use GLONASS

Min: 0 Max: 31 Default: 0

Parameter name: GPS\_1\_GNSS

Vehicle reboot required after change

Warning: Modifying values while vehicle is in flight can lead to vehicle instability and possible vehicle loss. Make sure you know what you are doing and double-check your values before Save!

Advanced settings



## Magnetometer Settings:

If the RID module is mounted with the indication arrow pointing towards the front of vehicle (as pictured below), Mag Orientation = ROTATION\_YAW\_90

