



Brizo-X Quickstart Guide



Read this entire document before taking any action

Before using the Brizo-X

If the Brizo-X utilizes Iridium, ensure its IMEI is activated through your chosen Iridium provider and intended message recipients are added to its account ahead of deployment and/or testing.

Power-Up

The Brizo-X automatically turns on when power is applied. The device must be turned off via power removal.

Configuration

Settings of the Brizo-X may need to be configured to suit the application. Below are these systems and configuration commands that could be used. Commands will need to be sent over the Serial 1 connection with the following port settings:

Baud Rate	115.2k
Parity	None
Data Bits	8
Stop Bits	1

Wave Height	
Confirm that the wave height task is enabled	\$waveheightsetenabled t
Set the number of wave height sessions will be performed per hour (X = 1 – 3)	\$waveheightsetsamplerate X
Specify all interfaces wave height results will be sent to X = Interface 1 – Iridium 2 – Serial 2 3 – Cell 4 – SD Card Y = Data Type 0 – OFF (Therefore this interface is not used) 1 – Binary 2 – ASCII Not all interfaces support all data types; see manual	\$waveheightsetresultinterface X Y

Iridium	
Confirm that the Iridium (SBD) task is enabled	\$sbdsetenabled t
Set the interval Status of Health information will be transmitted. This does not affect wave height calculations or distribution. X = numerical value y = time measurement... s = seconds, m = minutes etc.	\$sbdsetinterval Xy

Serial 2	
Confirm that the Serial 2 port is enabled	\$serial2setenabled t
Set the baud rate of the Serial 2 port	\$serial2setbaud X
Test the Serial 2 connection; command can be sent from both Serial 1 and Serial 2 to test both directions	\$serial2test

Operation

- Power the Brizo-X and place it in an area with as much a view of the sky as possible.
- The GNSS system will power after several minutes to begin wave height acquisition.
- Wave Height data acquisition runs for approximately twenty minutes, regardless of the number of samples per hour. The first acquisition time can vary depending on the time of power-up, until the same rate can orient to the top of the hour.
- At the end of the calculation time, confirm that the interfaces specified receive the wave height results.