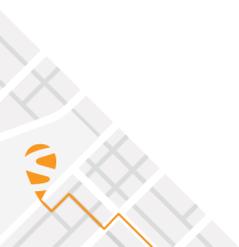




Release Notes and Installation Guide

AsteRx-U3 MARINE Firmware Package v4.12.3



1 Installation Guidelines

This is the first release of the firmware for the AsteRx-U3 MARINE. The receivers shipped from Septentrio come with this firmware pre-installed.

2 Known Issues and Limitations

1. When configuring the receiver to broadcast or multicast data (e.g. SBF, NMEA) over UDP, on the "Ethernet over USB" network interface, the data is transmitted twice. Unicast UDP and other network interfaces are not affected by this.
2. It is not possible to upgrade the receiver using mobile Safari on iOS devices.
3. If more than one user simultaneously changes settings via the web interface, the resulting configuration of the receiver may not be consistent.
4. IPS connections may stay visible in the web interface after the client has been disconnected.
5. The NTRIP server connection is sometimes not reliable when connected to a caster running "Professional Ntrip Broadcaster" (up to v2.0.22).
6. UDP functionality does not work over Cellular interface.
7. Firewall on computers can delay accepting connection by up to 4 minutes. Before using IPR functionality ensure that the desired IP port is enabled on your computer.
8. Moving base output is limited to 20 Hz.
9. The SBF message "BaseLine" has been deprecated.
10. When switching from Wi-Fi Access Point to Client mode the receiver requires some seconds to reset the modem. Immediately pressing the "Configure Networks" button on the WebUI will result in an error being raised.
11. The panel button is currently not associated to any functionality of the receiver. Receiver reset functionality will be available through firmware update.
12. The internal logging commands of the AsteRx-U3 are not backward compatible with the commands of the AsteRx-U. Please refer to the reference guide for details.
13. Upgrade over serial port is not supported.
14. When the UHF modem is configured as transmitter while no data is sent, the UHF LED will still light on if there is another UHF transmitter in the range configured to use the same frequency.
15. Instability in the Cellular connection is seen when the list of selected technologies does not match the capability of the user's subscription to the network operator. As example, when using a Cellular SIM card that does not support 4G the user has to unselect this technology from the receiver's configuration.
16. Using a Wi-Fi password of less than 8 characters will break the Wi-Fi functionality.
17. When connecting an AsteRx-U3 as client over Wi-Fi to a non-recent access points, WPA2 encryption may cause connection issues.
18. The receiver does not connect to open Wi-Fi network where no password is defined.

3 Support

For further information or support, please consult the Septentrio support website (<http://www.septentrio.com/support>).

4 Legal Notice

Septentrio does not authorize the use of its products as critical components in devices or systems intended for safety-of-life applications or in devices or systems, of which the failure may endanger life or cause injuries, unless written approval is given.

All the firmware and documentation delivered with the AsteRx-U3 MARINE Firmware Package is licensed, as explained in the About page which is accessible via the web interface of the receiver.

5 System Components and Versions

Product: AsteRx-U3 MARINE Version: 4.12.3 Receiver Platform: GRB0053 Release Date: 13 May 2022	version	AsteRx-U3 MARINE-4.12.3-failsafe.suf	AsteRx-U3 MARINE-4.12.3.suf
Failsafe	11.0.7-gfeb6f91	Y	
Operating System	11.0.7-gfeb6f91		Y
GNSS Firmware	6.11.7-gbcf173fe7f		Y
Antenna Information	2.13.0-62076b17		Y