

**407590C/D, 407560A/D**  
**SAILOR 1000 XTR GX-R2, SAILOR 600 XTR GX-R2**

**Software Release Note – SAILOR XTR Software 3.15B06 and 3.15B07**

|                  |                |
|------------------|----------------|
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| REVISION HISTORY |            |      |         |                                             |
|------------------|------------|------|---------|---------------------------------------------|
| Rev.             | Date       | App. | Section | Description / Remarks                       |
| A                | 07-2022    |      | All     | 304B009                                     |
| B                | 09-2022    |      | All     | 305B007                                     |
| C                | 11-2022    |      | All     | 305B010                                     |
| D                | 06-2023    |      | All     | 307B010                                     |
| E                | 06-2023    |      | All     | 305B014                                     |
| F                | 06-2023    |      | All     | 305B015                                     |
| G                | 11-2023    |      | All     | 308B011                                     |
| H                | 12-2023    |      | All     | 3.10B007                                    |
| I                | June 2024  |      | All     | 312B009                                     |
| J                | April 2025 |      | All     | 313B015                                     |
| K                | 04-2025    |      | All     | 3.13B015                                    |
| L                | 04-2025    |      | All     | 3.13B015 (changed update instructions text) |
| M                | 04-2025    |      | All     | 3.13B015                                    |
| N                | 07-2025    |      | All     | 3.14B017                                    |
| O                | 08-2026    |      | All     | 3.15B06 and 3.15B07                         |
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## 1. New features, bug fixes, and known limitations.

### Priority:

- **High:** It is highly recommended to apply this change / initiative to all systems.

### Changes from SAILOR XTR SW ver. 3.14B017 to SW version 3.15B06 and 3.15B07

#### New features and improvements:

- Consolidated release for all SAILOR XTR products but on version 3.15B07 the change is only for GX10
- 
- Support NMEA GGA and GLL messages in addition to RMC (This allows \$GPGLL and \$GPRMC for external GNSS)

#### Related bug fixes:

- Limit mutex to protect data structures (removed some “GNSS communication” events).
- Disable RF Ref Input when switching between tx50/tx10/rx10 signals, for 100ms, resolving “No BIMO Master PLL” event.
- TVRO GPIO4 settings are cleared when you reload the GPIO page.
- Back/Skip/Next buttons missing in TV profiles panel in Installation Wizard web page.
- Enable HTTP forwarding option on GX-R2 systems on the modem page.
- 

#### Related bug fixes:

- Bug fixes and improvements for GX10 only - SW Version 3.15B07

**GX10 support is only enabled by installing the right feature key. Please contact our sales/order office with your system serial number to order**

## **2. Software release history**

### **Changes from SAILOR XTR SW ver. 3.13B015 to SW version 3.14B017**

#### **New features and improvements:**

- Consolidated release for all SAILOR XTR products
- SNMP v2 interface for antenna status is now disabled by default
- Telnet shell is disabled by default (can only be enabled in GX-R2 antennas). Shall be considered deprecated and will be removed in a future release
- Web browser access is now only allowed with TLSv1.3. Earlier we allowed TLSv1.2 to support older browsers
- Revised supported SSH ciphers, key exchange methods, and other protocols to comply with cybersecurity standards
- Audit log introduced, so some log lines are no longer in the system log (diagnostic report)
- Extra validation of config files has been added. Config files exported from earlier versions may not be possible to import. You need to create a new config file export on an antenna running this software release
- Password policy configuration added
  - Minimum length configurable (default is 15 characters)
  - Complexity (uppercase, lowercase, numbers, special characters)
- Bypassing Admin password by “Left arrow” key hold function has been reduced from 1h to 5min

#### **Related bug fixes:**

- General bug fixes and minor improvements.

### **Changes from SAILOR XTR SW ver. 3.12B009 to SW version 3.13B015**

#### **New features and improvements:**

- Consolidated release for all SAILOR XTR products
- New cable calibration settings for Viasat/Inmarsat to improve network performance.
- Fixed G-force section of diagnostic report. Earlier stored values reset.
- Improved display of analog RSSI input on web dashboard.
- Azimuth calibration "user controlled" option now available in installation wizard.

#### **Related bug fixes:**

- General bug fixes and minor improvements.

### **Changes from SAILOR XTR SW ver. 3.10B007 to SW version 3.12B009**

#### **New features and improvements:**

- Consolidated release for all SAILOR XTR products
  - Replaces all previous versions of SAILOR XTR SW, namely 3.10 (last unified XTR release)

- Feature Keys added.
- Major Web GUI update (See appendix)
  - New dashboard with compass rose and active events.
  - New compass rose in the menu on all pages in Web UI
- Cyber security improvements (See appendix)
  - Mandatory HTTPS redirect
  - Added system use description.
  - Configurable security level (with minimums) of admin/guest passwords

**Related bug fixes:**

- General bug fixes and stability improvements

**Known limitations:**

- Web interface and settings
  - When connecting to the Web interface using HTTPS, the browser might reject the connection due to non-supported certificate (see appendix). Depending on the browser, the operator may need to click “Advanced” and “Proceed” or similar.
- Azimuth Calibration.
  - Calibration on a RHC (Right-hand circular polarization) can incorrectly complete successful with incorrect specified values.  
Workaround: Use ‘User controlled’

## **Changes from SAILOR XTR SW ver. 3.08B011 to SW version 3.10B007**

**New features and improvements:**

- Consolidated release for all XTR products
  - Replaces all previous versions of XTR SW, namely 3.08 (last unified XTR release)
- Add calibration status on wizard azimuth calibration page.
- Display a pop-up warning when enabling manual GPS position.
- Improvement of the Network page.
  - Dropdown boxes now show where the LAN ports is located.  
(ADU port 1 / BDU port 1)
- Disable possibility to change the heading & position source during calibration.

**Related bug fixes:**

- Installation wizard can't activate VSAT profile. Fixed.
- General bug fixes and stability improvements

## **Changes from SAILOR XTR SW ver. 3.07B010 to SW version 3.08B011**

**New Features and improvements:**

- Consolidated release for all XTR GX-R2 products.
  - Replaces 3.05 (CX751), and 3.07 (SMB3315)

**Related bug fixes:**

- Multiple bug fixes related to dual antenna systems.
- General bug fixes and stability improvements.

## **Changes from SAILOR XTR SW ver. 3.05B010 to SW version 3.07B010**

### **New Features and improvements:**

- Support for the GMU 407523A (new SMB3315 core module)
- Support for ADS (Antenna Diversity Solution)

### **Related bug fixes:**

- General stability improvement

## **Changes from SAILOR XTR SW ver. 3.05B007 to SW version 3.05B010**

### **New Features and improvements:**

- Dual Modem / GPIO support. Appendix I
- General stability improvement

### **Related bug fixes:**

- GX-R2: GMU goes offline when switching between ADU's.
- Edit/save/close profile buttons in the edit profile mode display incorrect.
- Azimuth calibration:
  - AGC control issues fixed. (Azimuth calibration took long time to finish)
- ADS
  - Keyline count Master / Slave. (Missing keyline / RS422 cable is not detected)

### **Known limitations:**

- Web interface and settings
  - If the Operator tries to make a secure connection to the Web interface using HTTPS the Browser (Firefox, Edge) might reject the connection due to non-supported certificate. The Operator should use HTTP or the Chrome browser.
- Azimuth Calibration.
  - Calibration on a right-hand circular polarisation can incorrectly complete successful with incorrect specified values. (GX-R2)
  - Automatic azimuth calibration fails.
    - 1) Workaround: Use 'User defined'
- ADS
  - If Slave configuration is changed to a non-ADS setup, no event is shown on the Master.

## **Changes from SAILOR XTR SW ver. 3.04B009 to SW version 3.05B007**

### **New Features and improvements:**

- General stability improvement

### **Related bug fixes:**

- 

### **Known limitations:**

- Web interface and settings
  - If the Operator tries to make a secure connection to the Web interface using HTTPS the Browser (Firefox, Edge) might reject the connection due to non-supported certificate. The Operator should use HTTP or the Chrome browser.
- Azimuth Calibration.
  - Calibration on a right-hand circular polarisation can incorrectly complete successful with incorrect specified values. (GX-R2)
  - Automatic azimuth calibration fails.
    - 1) Workaround: Use 'User defined'
- ADS
  - If Slave configuration is changed to a non-ADS setup, no event is shown on the Master.
  - Short data interruption in user data during antenna switch

## **Changes from SAILOR XTR SW ver. First official release 304B009**

### **High lights:**

- First official release

### 3. Software upload procedure

1. Software upload procedure Extract the file  
Open an Internet browser on the PC and enter the web address to the SAILOR XTR at <https://192.168.0.1>.
2. To login as ADMIN  
Enter **ADMINISTRATOR LOGIN:**  
**Username:** (admin (case sensitive))  
**Password:** (your admin password)  
Or  
Press the BDU left keypad for 5 sec. to enable the '**local administration function**'.  
Logs in as admin without the use of a password. *BDU will automatically log out after 1 hour*  
Note: Accessing the BDU with 'local administration function' does not change the current admin account password.
3. Locate 'Upload' section under Service-Software menu. Click 'Choose file' to browse, select the new software file and click 'Upload'.
4. The SAILOR XTR system will upload the new software and reboot.
5. After the system becomes available again verify that the software page shows the new software version as active for the currently loaded software.

This concludes the SW upload procedure.

4.     **Appendix.**

TX cable calibration

Type

Status

Result

Attenuator margin

Cable calibration

Cable calibration

Cable calibration - Dual Antenna

Disable TX cable calibration

6.08 dB