

Skylark RTK Setup Guide for the Topcon Horizon X

Revision 1.0

2022-11-15

Overview

This guide instructs you on how to configure your Topcon Horizon X-Family displays to operate with Swift Navigation's Skylark RTK NTRIP-based corrections.

For an overview of getting started with Skylark RTK and what exactly NTRIP is and its elements, refer to [Getting Started with Skylark RTK \[8837-1.0\]](#).

To use Skylark RTK corrections, you must complete the following tasks.

- Access the GPS setup screen
- Select RTK as the correction source
- Enter all the NTRIP details for Skylark RTK operation

Follow the procedure in the section below to complete these three tasks.

GPS Setup

Follow the steps below to set up the GPS.

1. Select System / GPS / Correction.

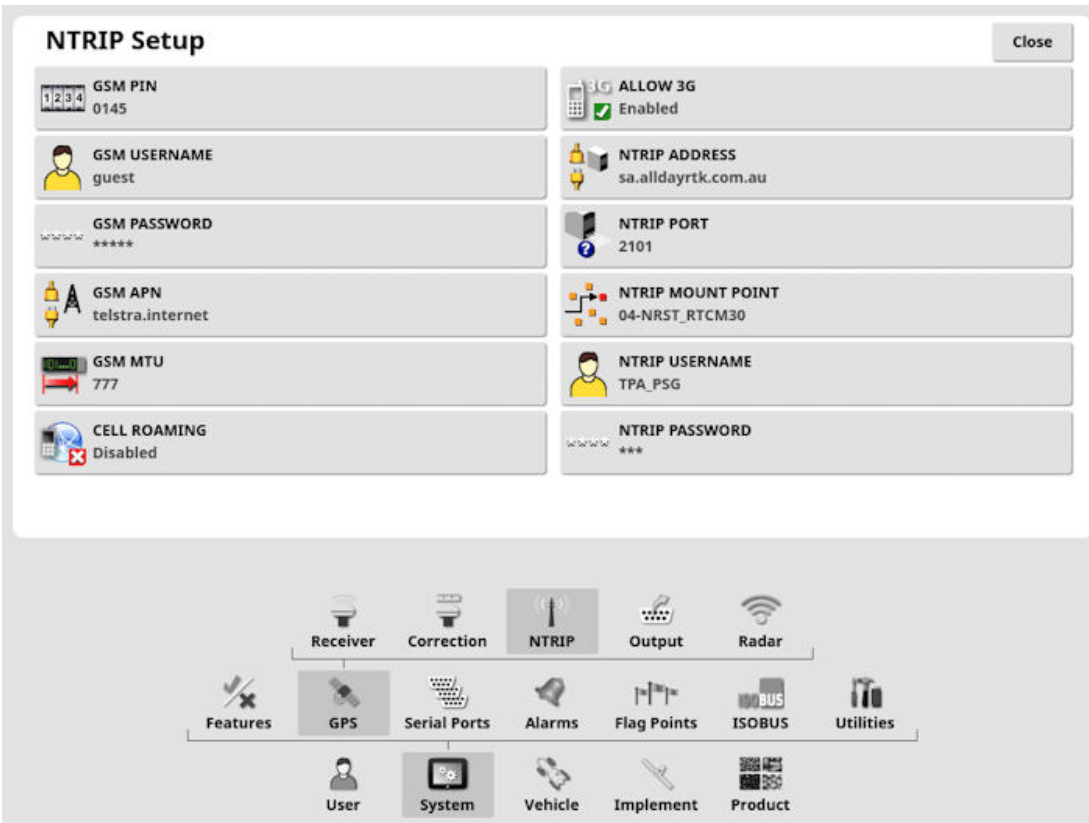
GPS Correction Source Close

 CORRECTION SOURCE Autonomous
 GLONASS Enabled
 TRUPASS™ Authorisation Unknown
 FALLBACK Disabled

2. Select RTK (NTRIP) as your Correction Source.

When RTK NTRIP is selected, a wizard launches to detect the attached modem.

Afterwards, the following screen displays, where you set up the Swift Skylark RTK NTRIP details.



3. Enter the NTRIP Address: the NTRIP “End Point”. Enter “na.l112.skylark.swiftnav.com”.
4. Enter the NTRIP Port: the communication port of the service. For Skylark RTK enter 2101.
5. Enter the NTRIP Mount Point: the format of the corrections. For Skylark RTK, you have two options:
 - RTK-MSM5
 - RTK-RTCM31

Which you use depends on what your connected RTK GNSS receiver supports. Newer receivers support RTK-MSM5 while older receivers support RTK-RTCM31. If you are not sure, select RTK-RTCM31.

6. Enter the NTRIP User Name: the username that was provided to you when you signed up for Skylark RTK correction service.

7. Enter the NTRIP Password: the password that was provided to you when you signed up for Skylark RTK correction service.

You have now set up your receiver to work with Skylark RTK correction service, and completed this procedure.

Revision History

Version	Date	Changes since Last Version
1.0	2022-11-15	Creation