

# Skylark RTK Setup Guide for the AFS Pro 1200

9254-1.0

2022-11-15

## Overview

The following provides details on how to configure your AFS Pro 1200 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 \[8837-1.0\]](#).

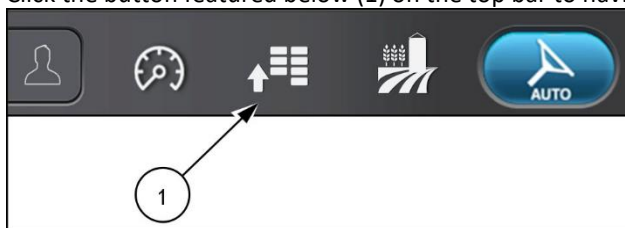
To use Skylark RTK corrections, you must complete the following tasks.

- Access the GNSS setup screen
- Select NTRIP RTK as your correction type and enter all the NTRIP details for Skylark RTK operation.

Follow the procedures in the sections below to complete these tasks.

## Accessing GNSS Setup

1. Click the button featured below (1) on the top bar to navigate to the Menu screen.



- Click the GNSS & Guidance card to open the GNSS & Guidance setup card.

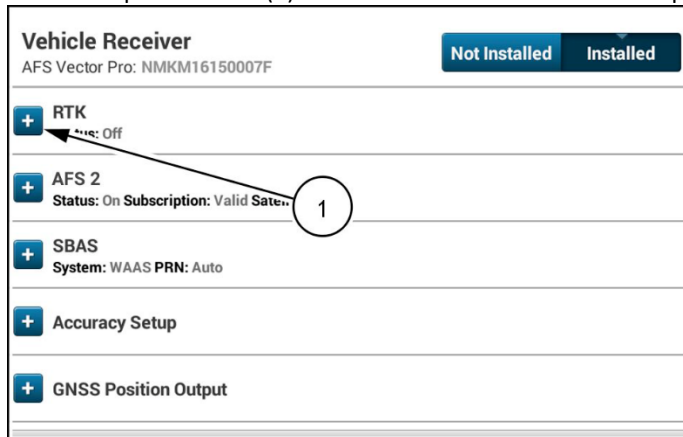


- Click the GNSS button.



The GNSS screen opens.

- Press the "plus" button (1) next to RTK to access the RTK setup options as shown below.

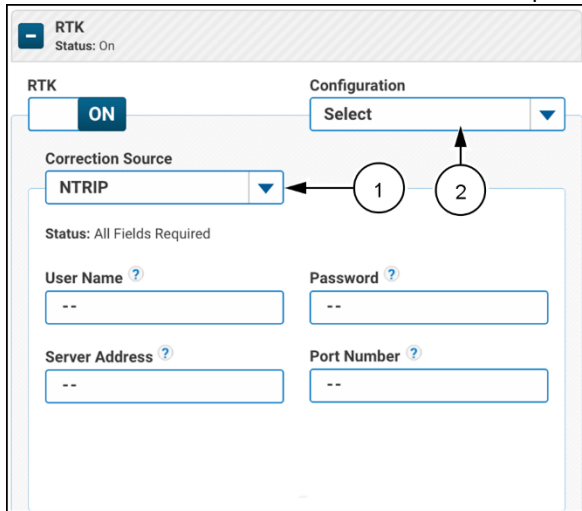


You have now accessed the GNSS Setup screen and completed this procedure.

## Configuring NTRIP RTK

Follow the procedure below to use the GNSS Setup screen to configure NTRIP RTK usage.

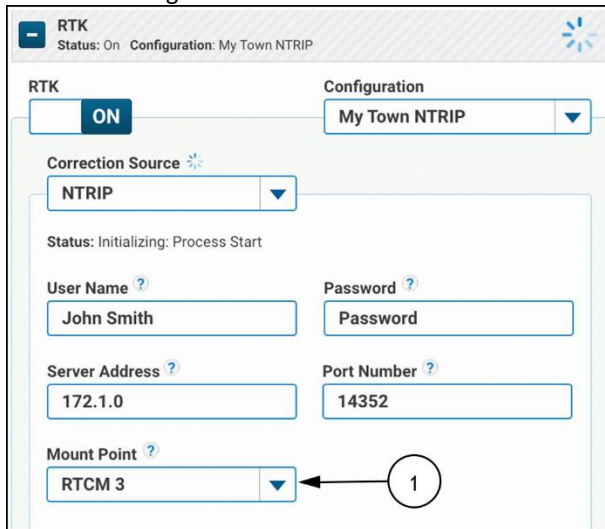
1. Select “NTRIP” from the “Correction Source” drop-down menu, (1) in the figure below.



2. Select “New” from the Configuration drop-down menu, (2) in the figure above.
3. Enter the User Name, Password, Server Address, and Port Number for the Skylark RTK corrections service in the respective fields, as defined in the table below.

Field	Definition
User Name	Enter the User Name that is provided to you when you sign up for Swifts’ Skylark RTK correction service
Password	Enter the password that is provided to you when you sign up for Swifts’ Skylark RTK correction service
Server Address	This is the NTRIP “End Point”. Enter “na.l1l2.skylark.swiftnav.com”
Port Number	The communication port of the Skylark RTK correction server. Enter 2101

4. Upon successful connection to the server, the Mount Point drop-down menu populates with available mount points, as shown in the figure below.



5. Select the desired mount point.

For Skylark RTK, you have two options:

1. RTK-MSM5
2. 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 unsure which to choose, select RTK-RTCM31.

When all the fields are defined, the system logs into the NTRIP server and a status displays that the connection is successful and corrections are being received.

## Revision History

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