J-Field 4.0 Migration Guide

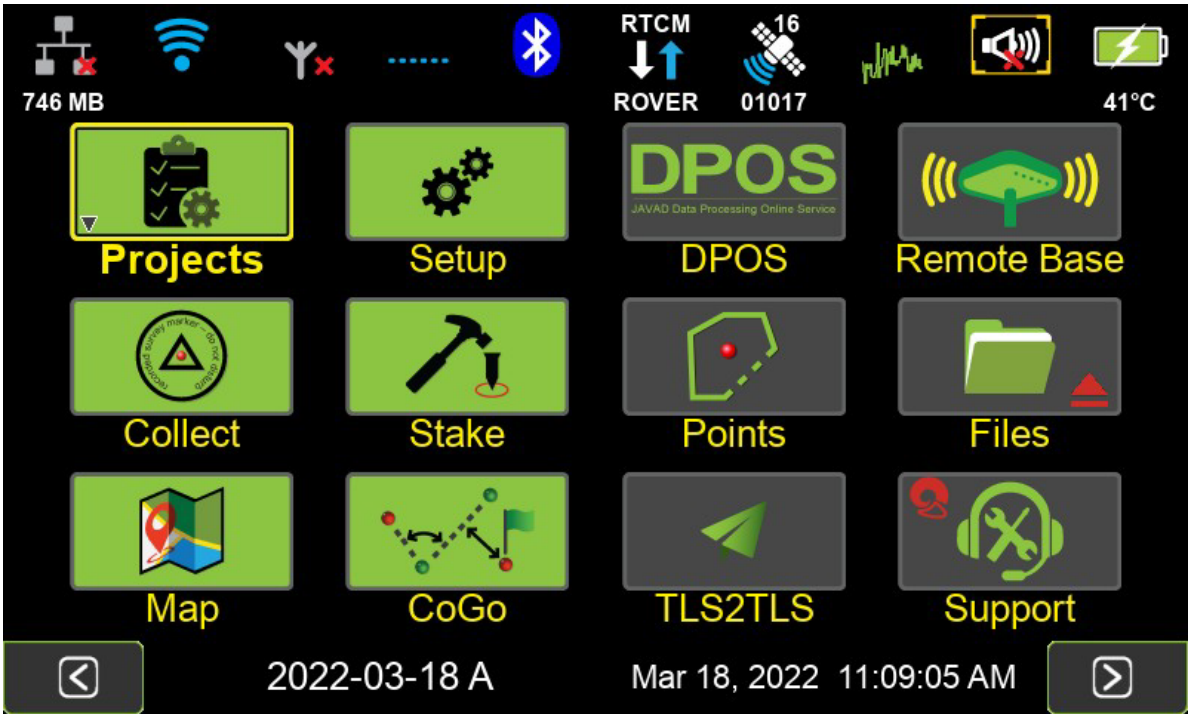
Reference Guide of migration from version 3 to version 4

The following significant changes have been made:

1. Home Screen
2. Projects
3. Correction Stream Icon
4. Setup
5. Stake & Collect Prepare Screens Removed
6. Base/Rover Setup

Home Screen

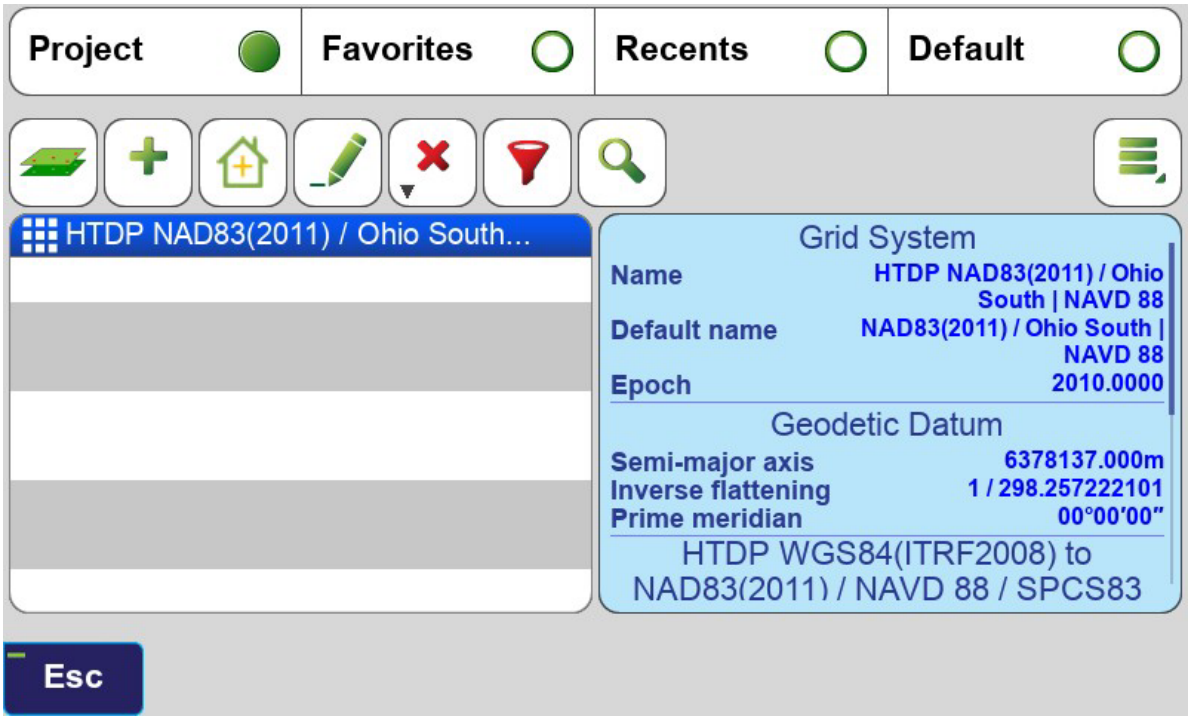
The icons on the *Home* screen have been updated.



Base/Rover has now been renamed *Remote Base*.

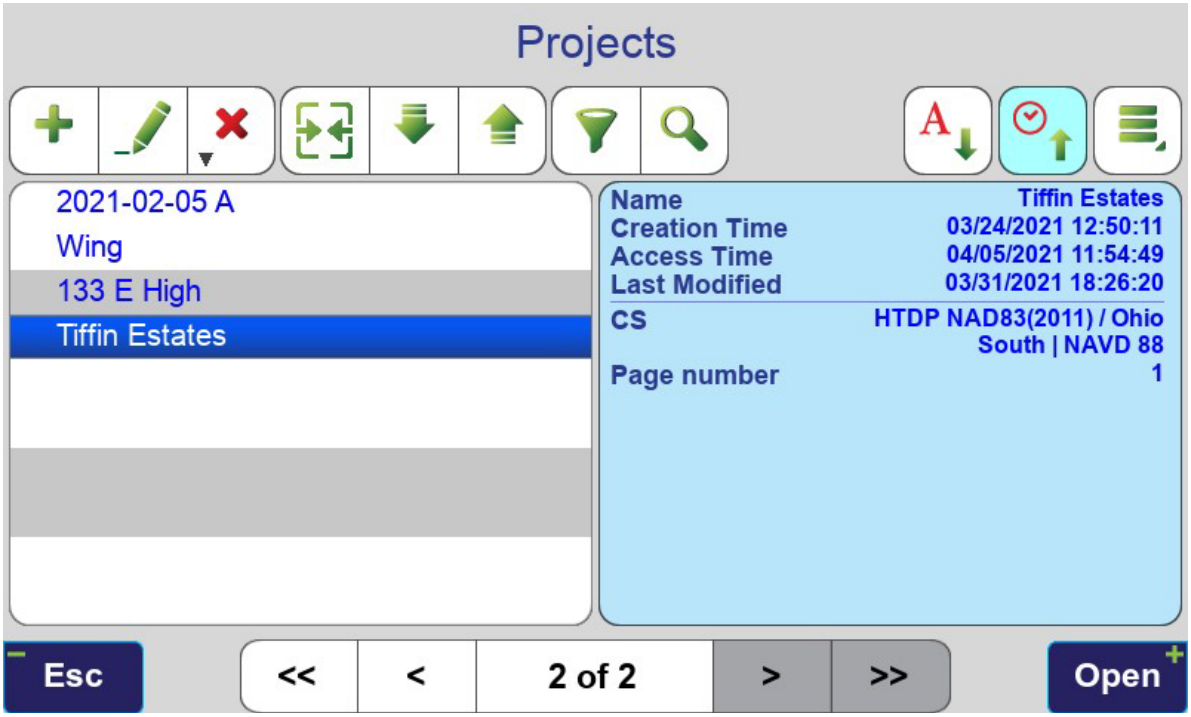
Localize can now be found by clicking the Localize button 

found in *Home Screen 2 > > Coord. Sys*



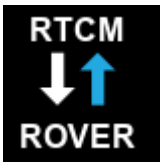
Projects

Projects are now opened from the Home screen. A long click on the Project icon on the *Home* screen edits the current project. A new project can also be created by tapping the  software button.



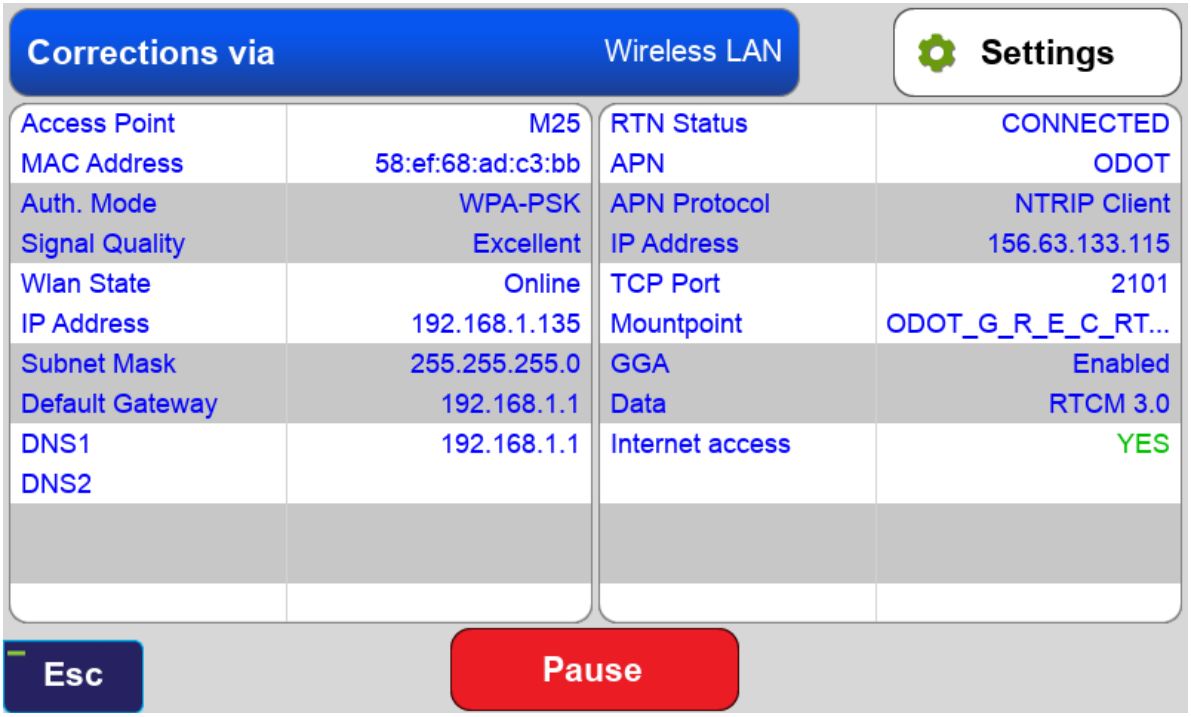
Correction Stream Icon

Information about the corrections stream can now be found by tapping the *Correction Stream Icon*

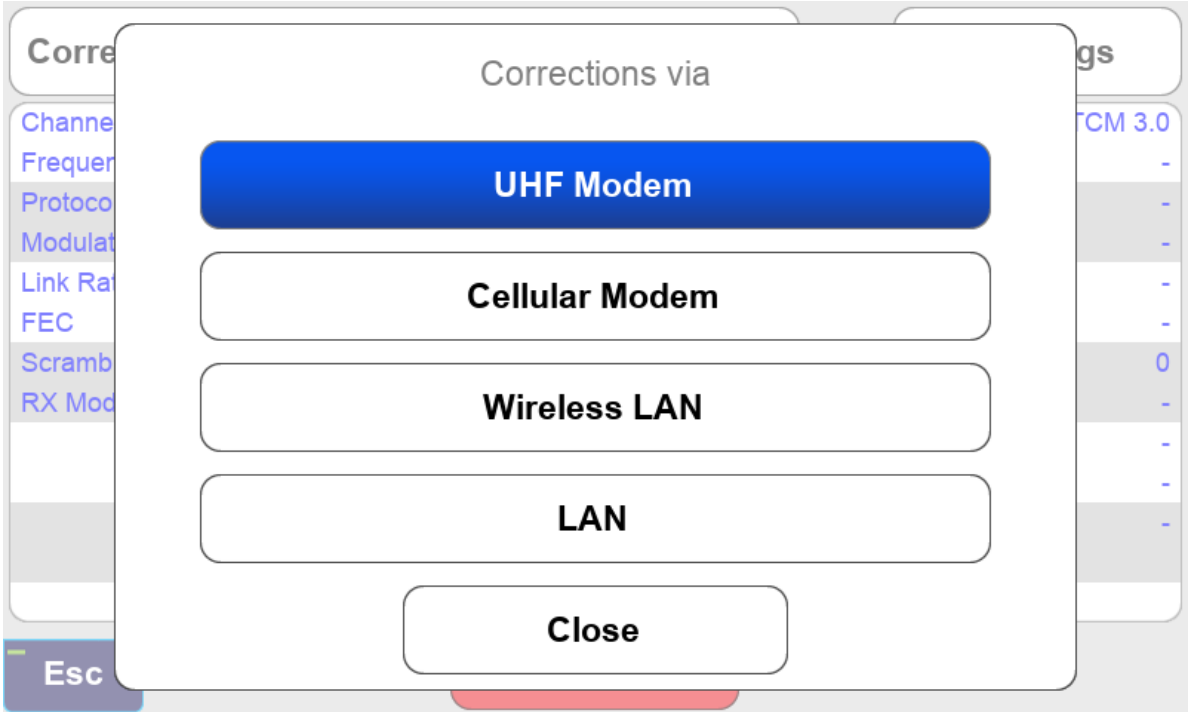


at the top of the of home screen.

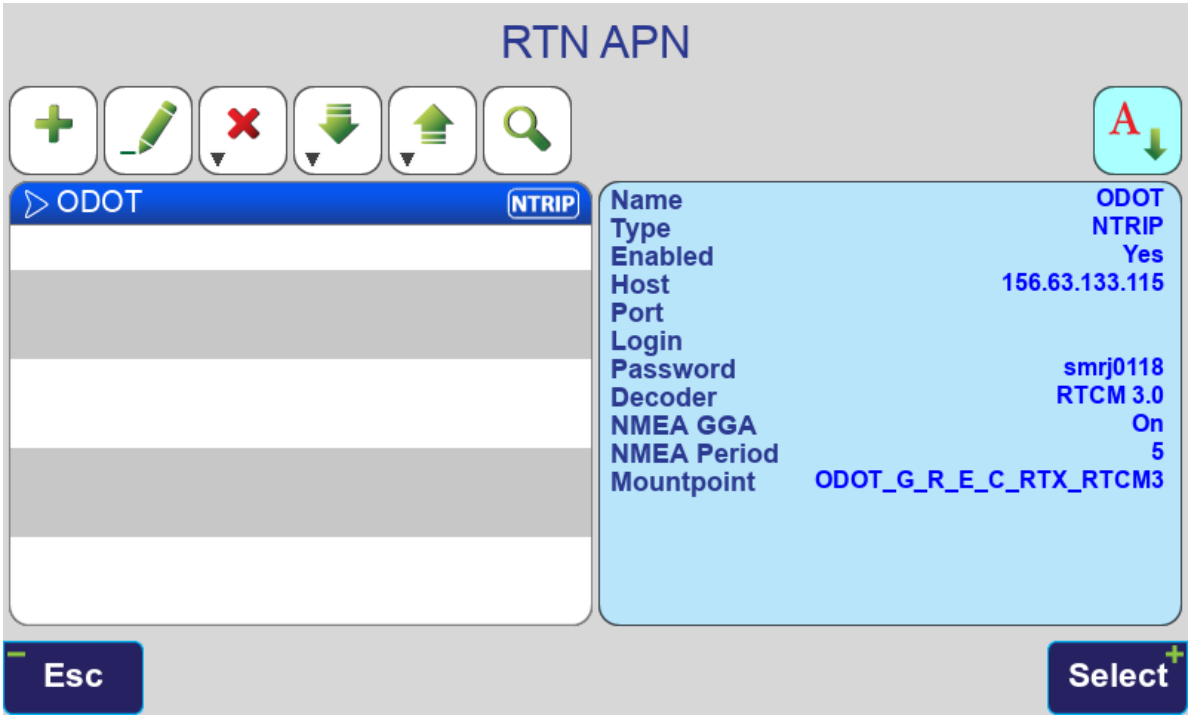
> **The *General Group* profile is no longer involved with RTK correction source selections. The selection of the corrections source must be selected in this screen.** The same *General Group* profile can now be used for multiple types of corrections.



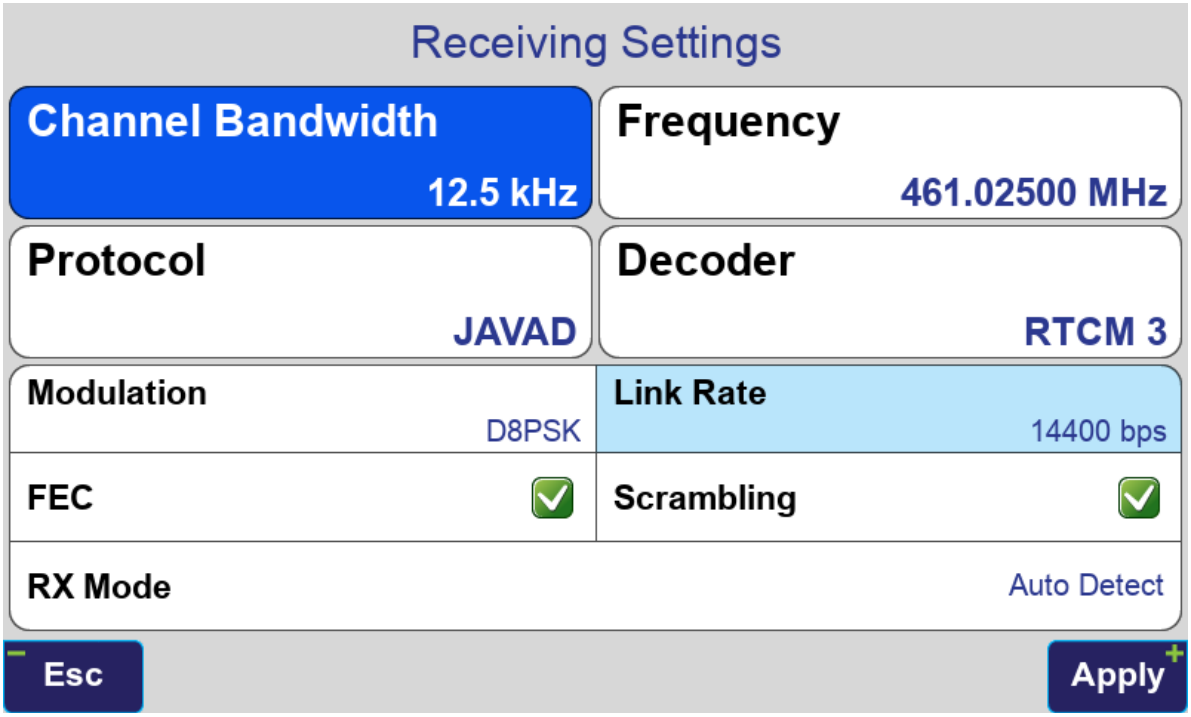
The source of the correction stream can now be managed with the *Correction via* button.



The Settings button shows the basic settings for the communications channel.



Settings for a RTN through Wireless LAN

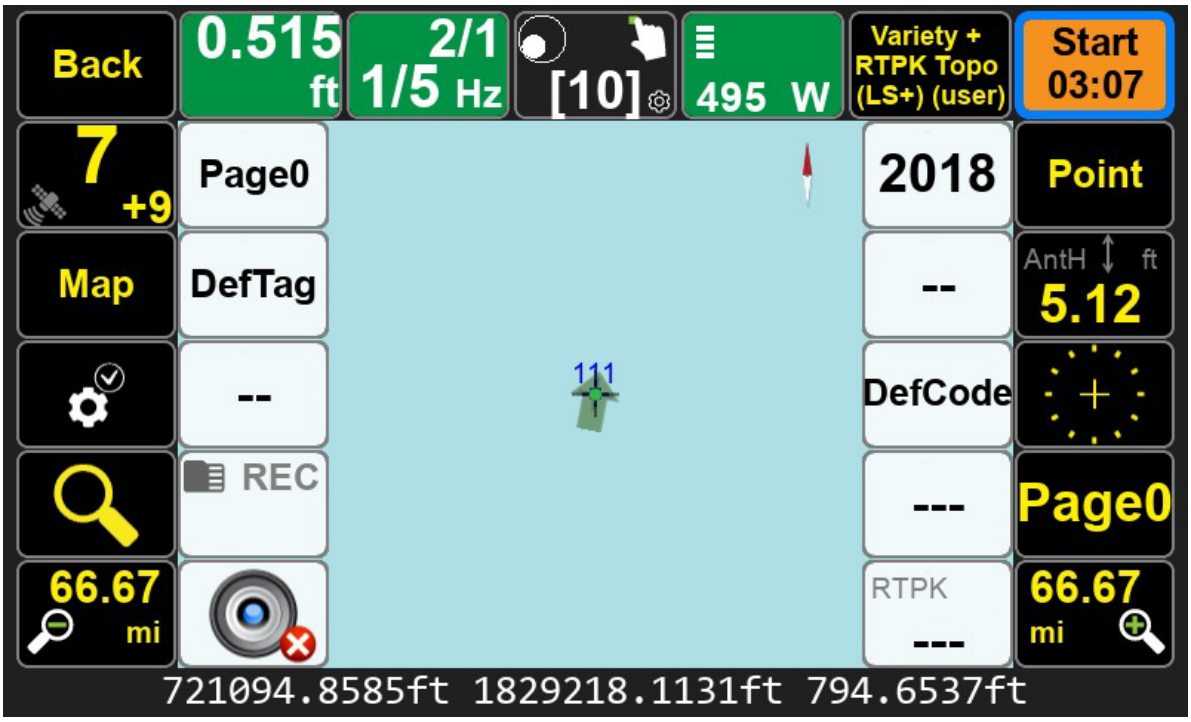


Settings for a UHF Modem

These same settings can also be accessed in the *Stake* and *Collect Action Screens* by tapping the *Communications Status* button 

(W for WiFi) 

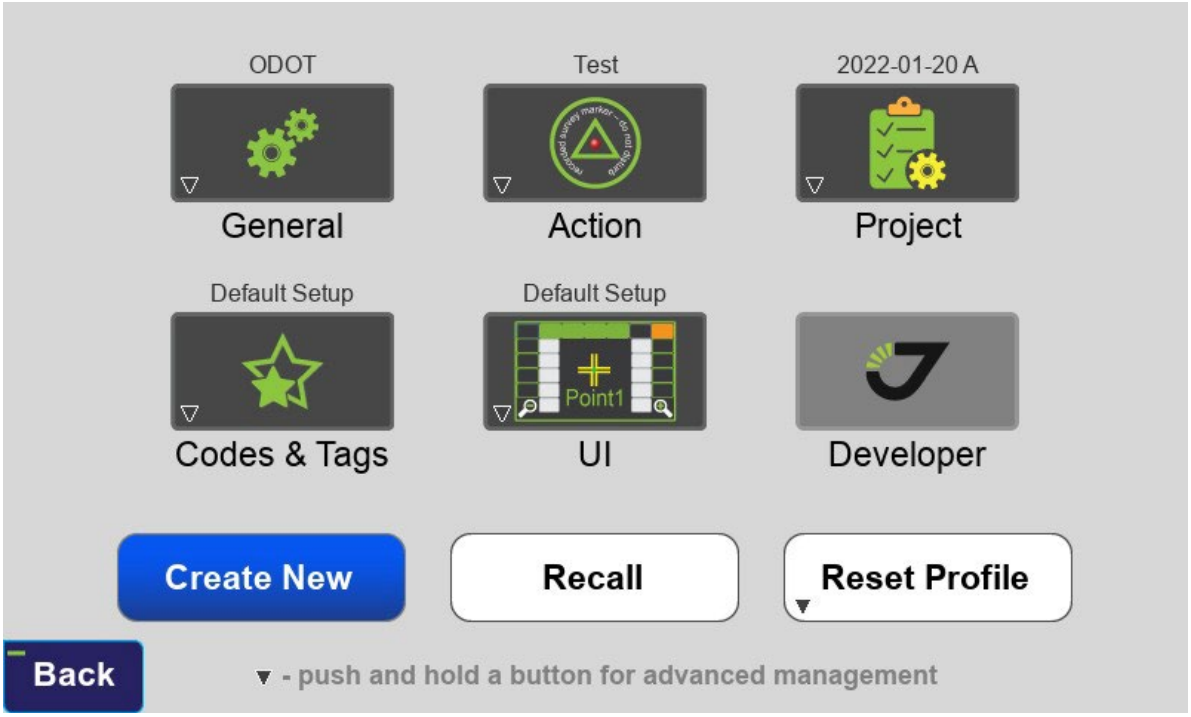
(U for UHF).

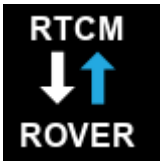


The user should always pay attention to the Base ID and correction source shown on the *Communication Status* button as it is now easier to switch between correction sources.

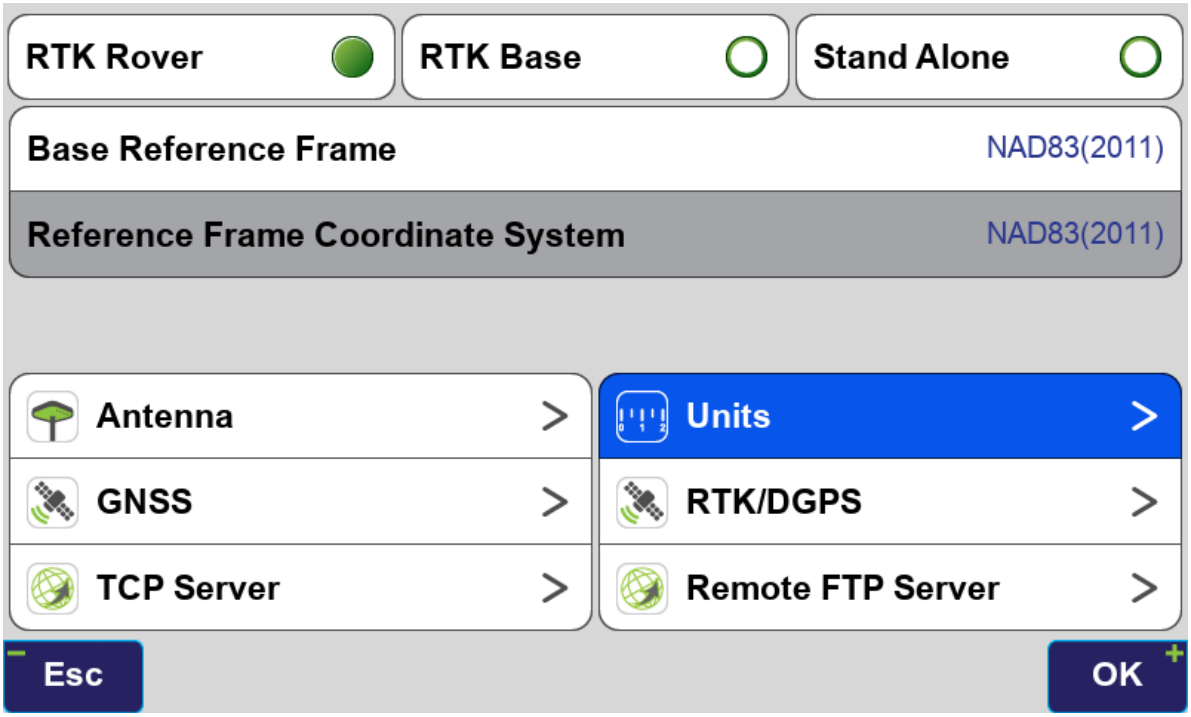
Setup Screen

The *Setup* screen has been updated.



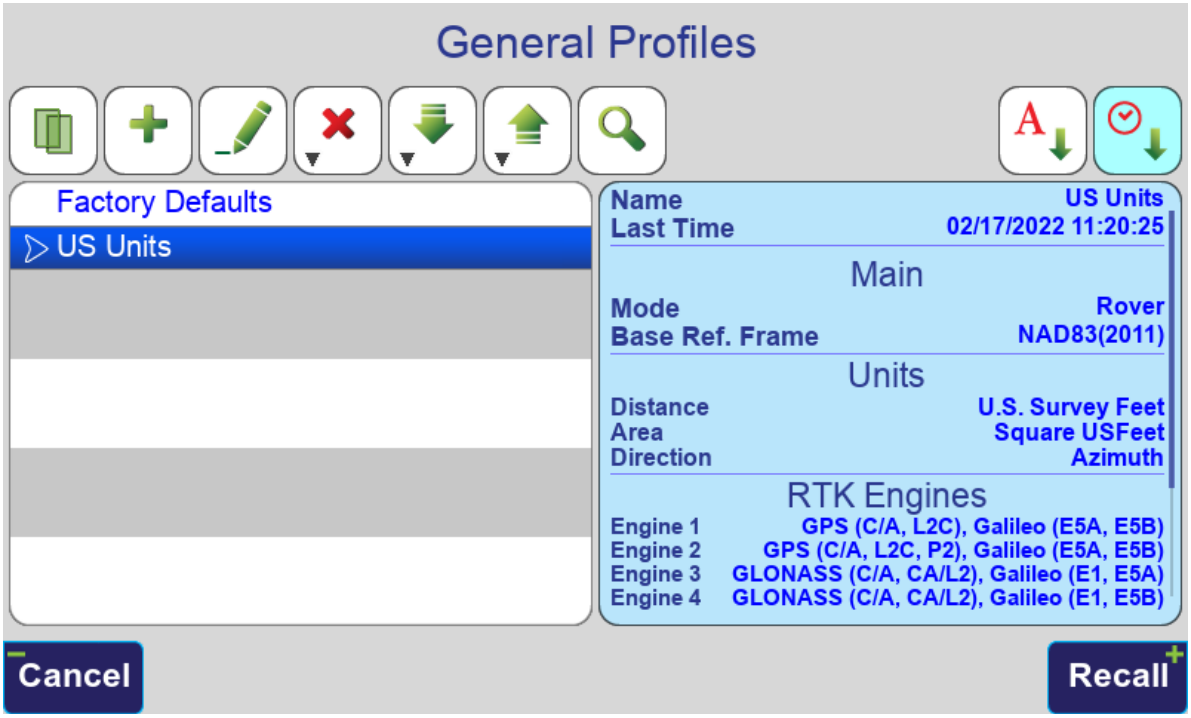
> The *General Group* profile is now only used to control the Units and RTK settings. The *General Group* profile is no longer involved with RTK correction source selections. The new *Correction Stream Icon* 
>
> is used for RTK correction source selection.

A short tap of the icons opens the settings screen for the current profile.



General Group Settings

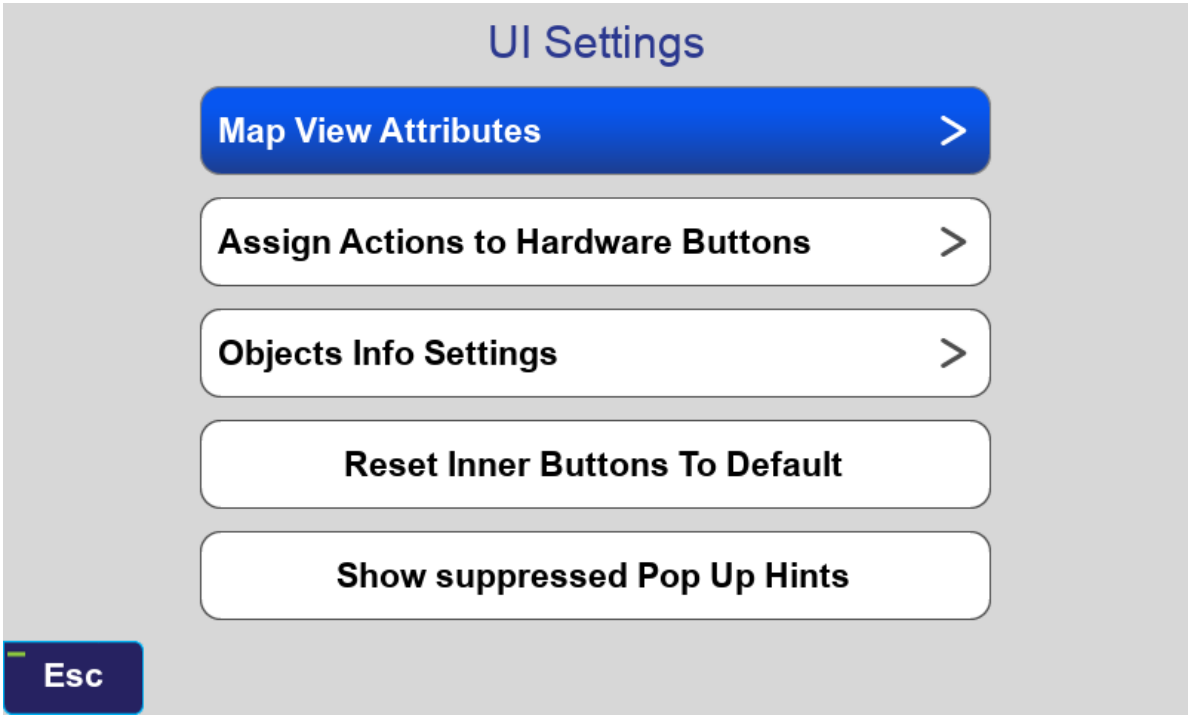
To recall or create a new profile long tap on one of the icons. It is recommended that the *General Group* profiles previously used for switching between different correction sources be deleted. Unused *Action* profiles should also be deleted.



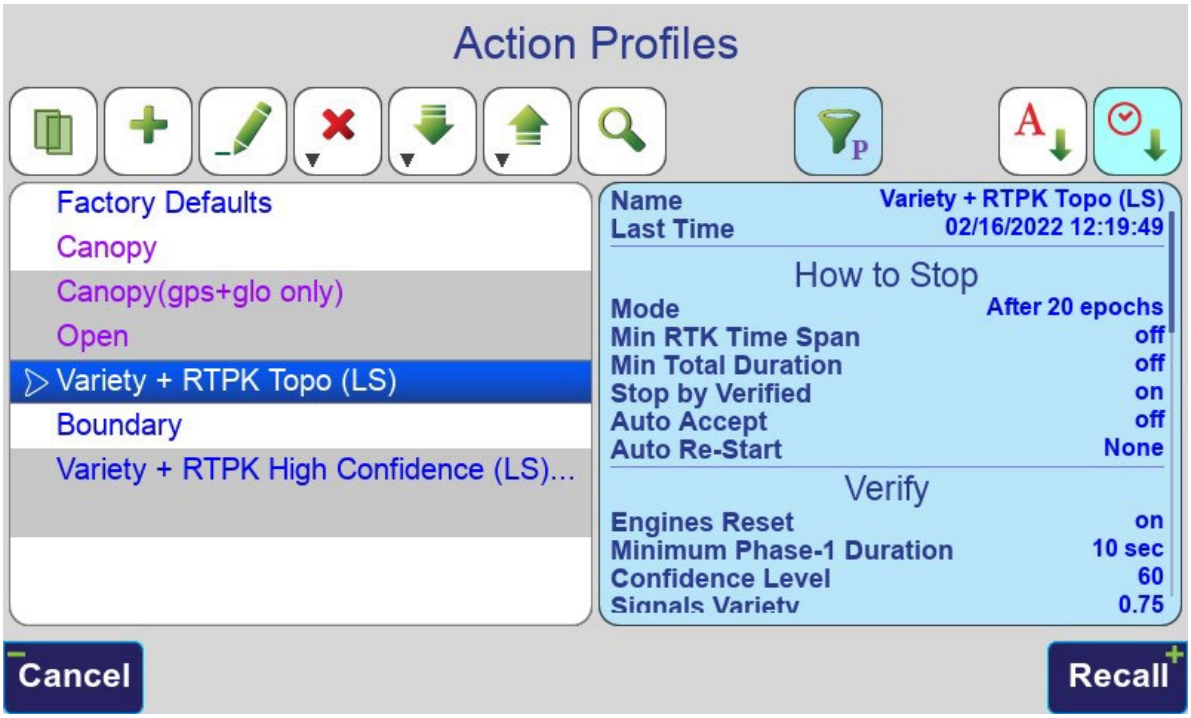
A new profile can also be created by tapping the  software button.

To recall a profile select it and press the Recall button.

A new group for UI (User Interface) settings has been created.



In the *Action* Profiles selection screen the *Predefined Profiles* are shown in purple. They cannot be opened, you must first create a copy of the desired profile and then you can open the copy.

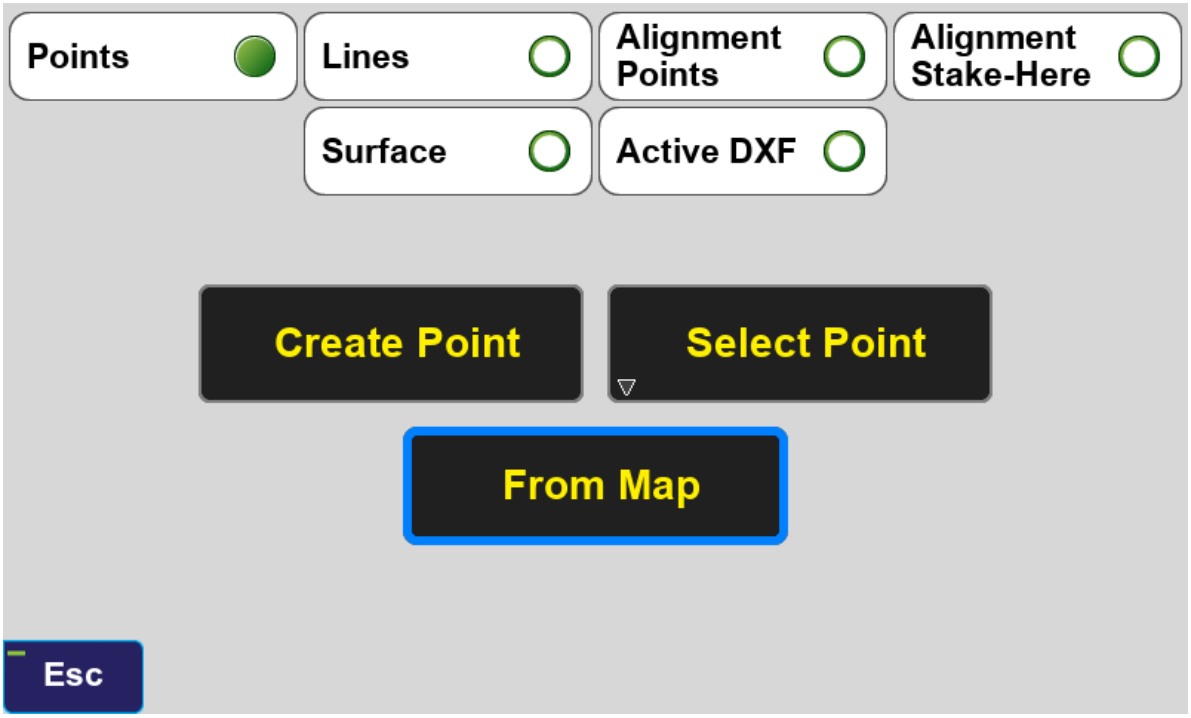


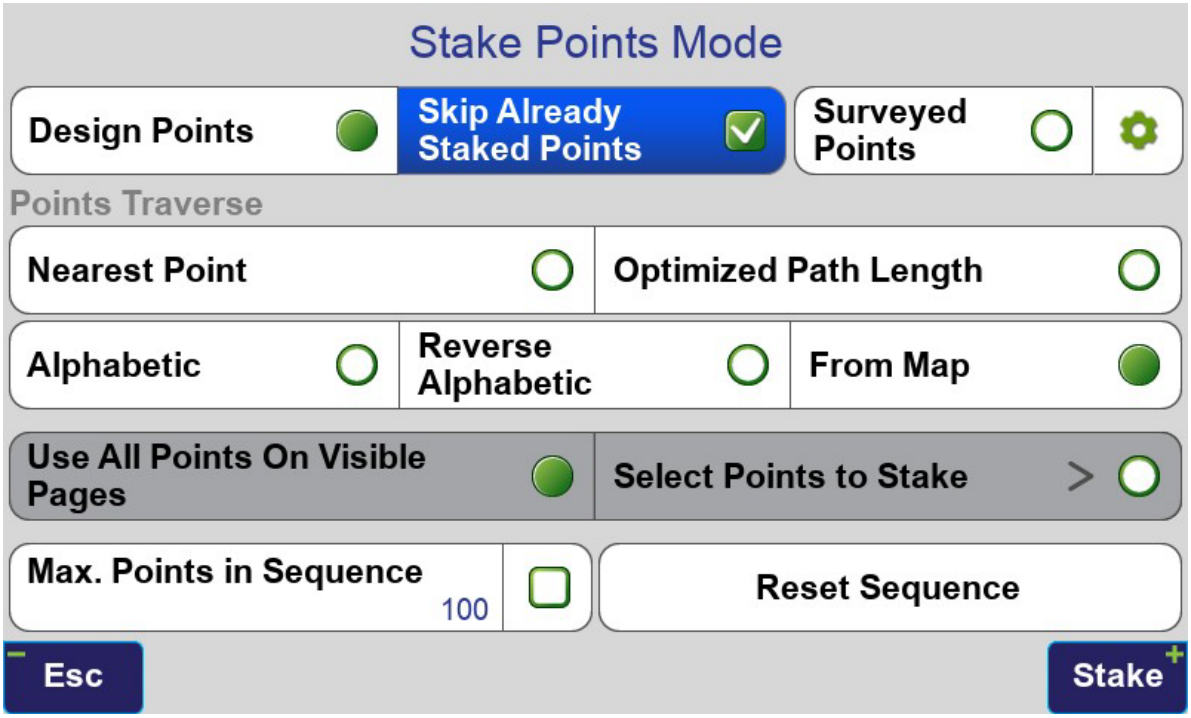
The *Predefined Profiles Filter*  button can be used to hide the *Predefined Profiles.*

Stake & Collect Prepare Screens Removed

The *Stake* and *Collect Prepare* screens have been removed. All the fields and settings that were previously in these screens can now be accessed in the *Action* screens.

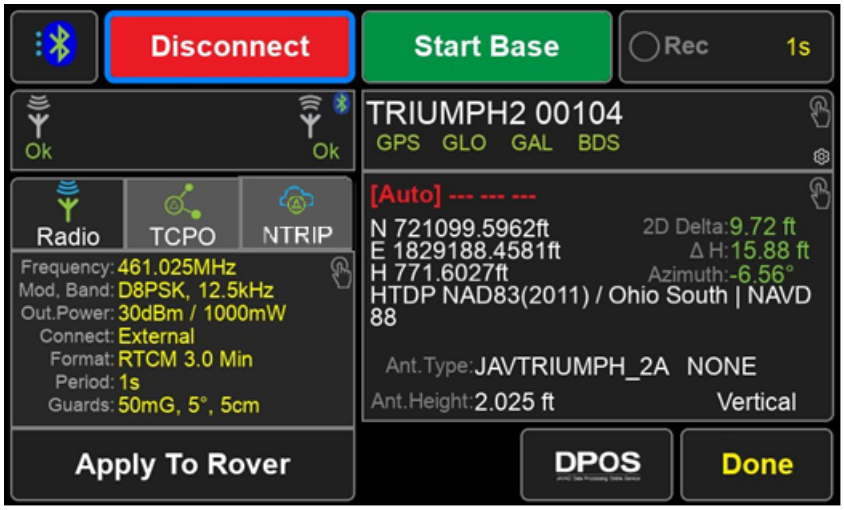
The options to stake a line or change the *Stake Points Mode* are now accessed with the *Stake Mode* button below Start in the Stake Action screen.





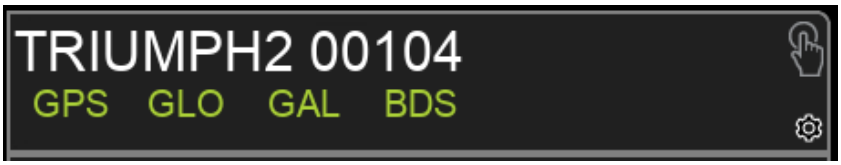
Base / Rover Setup

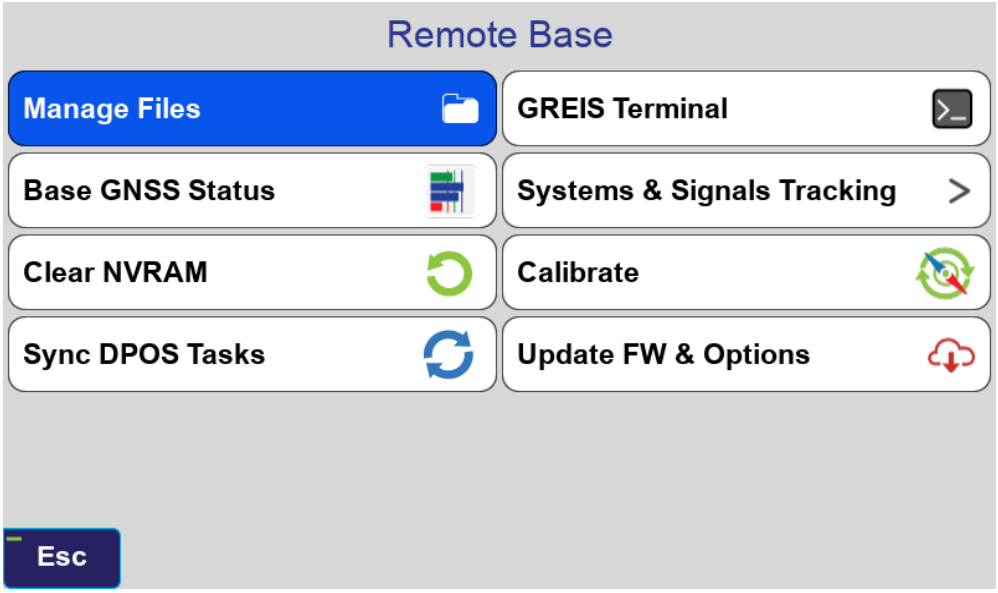
The Base / Rover Setup screen has been updated.



Connecting to the base and starting the base now takes longer than it previously did. Now when connecting to base, it is waiting for the internal radio/cellular modem driver to be ready and information about the module is requested.
When starting base it is waiting for the modem to start transmitting.

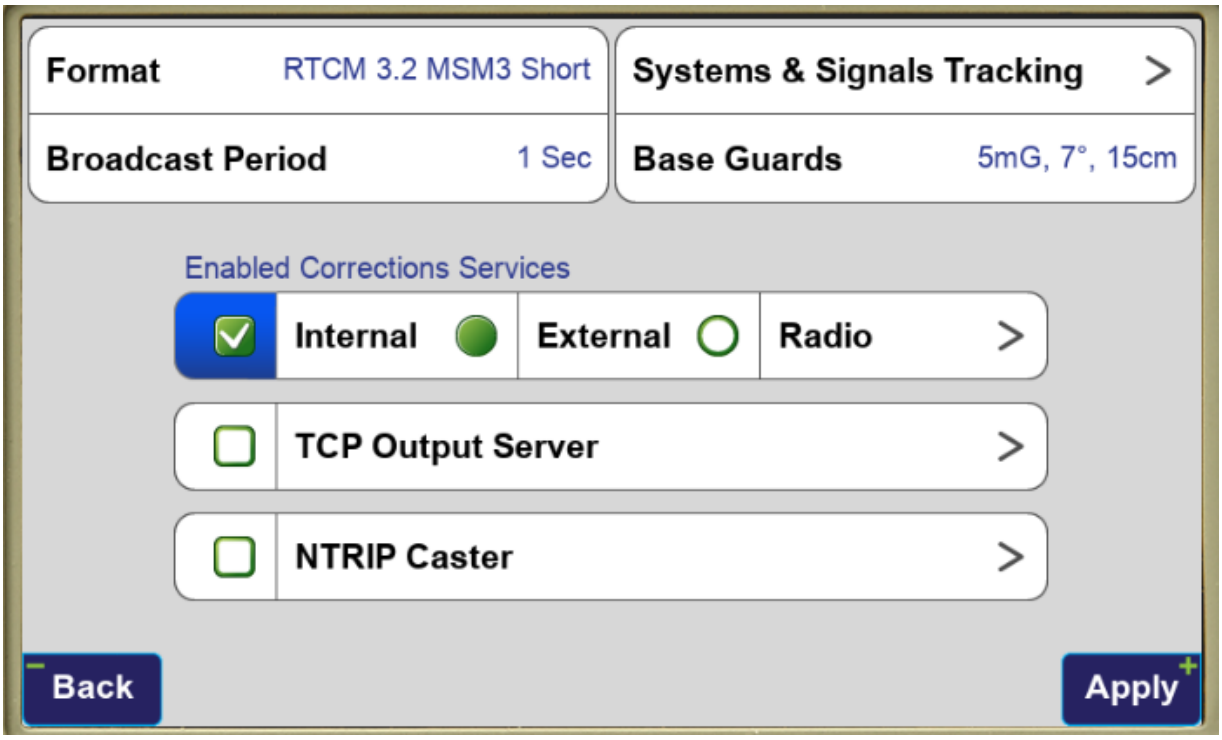
The Base receiver can be managed by tapping its button under *Start / Stop Base*. The satellite systems that the base is configured to transmit is shown in this button.





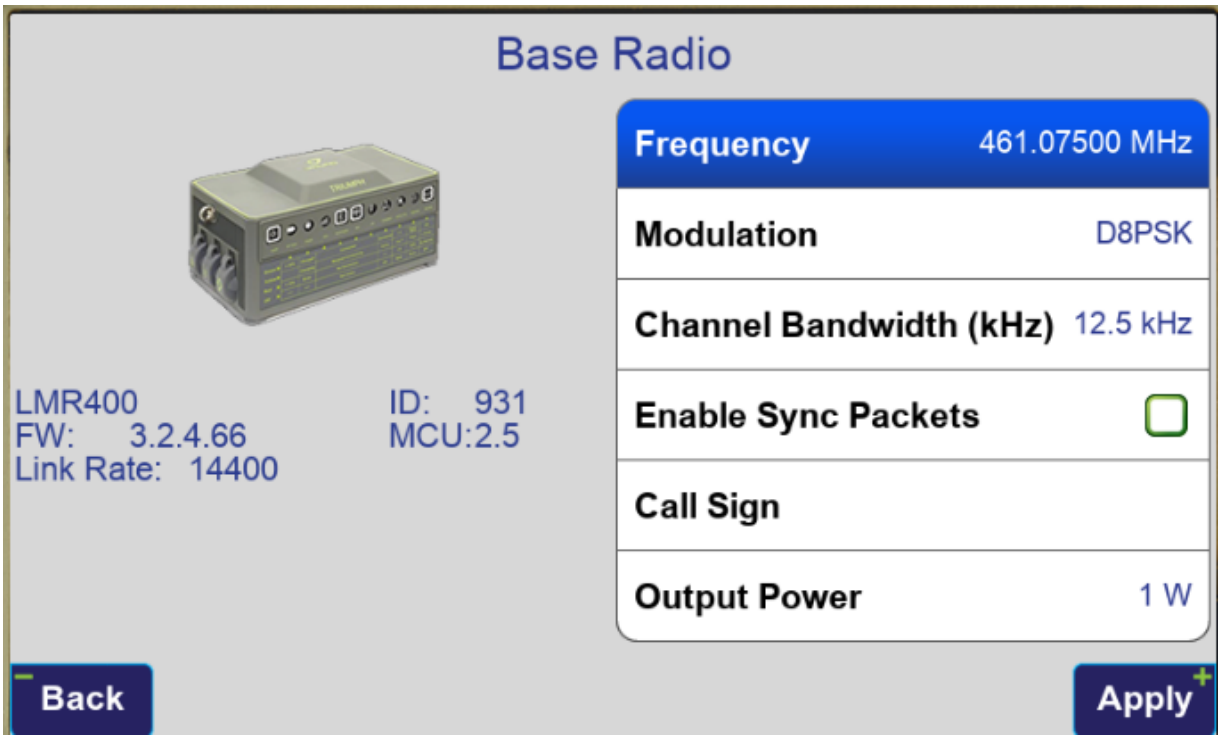
The *Communication Parameters* box now has three options to view the settings for *Radio*, *TCPO* and *NTRIP*.

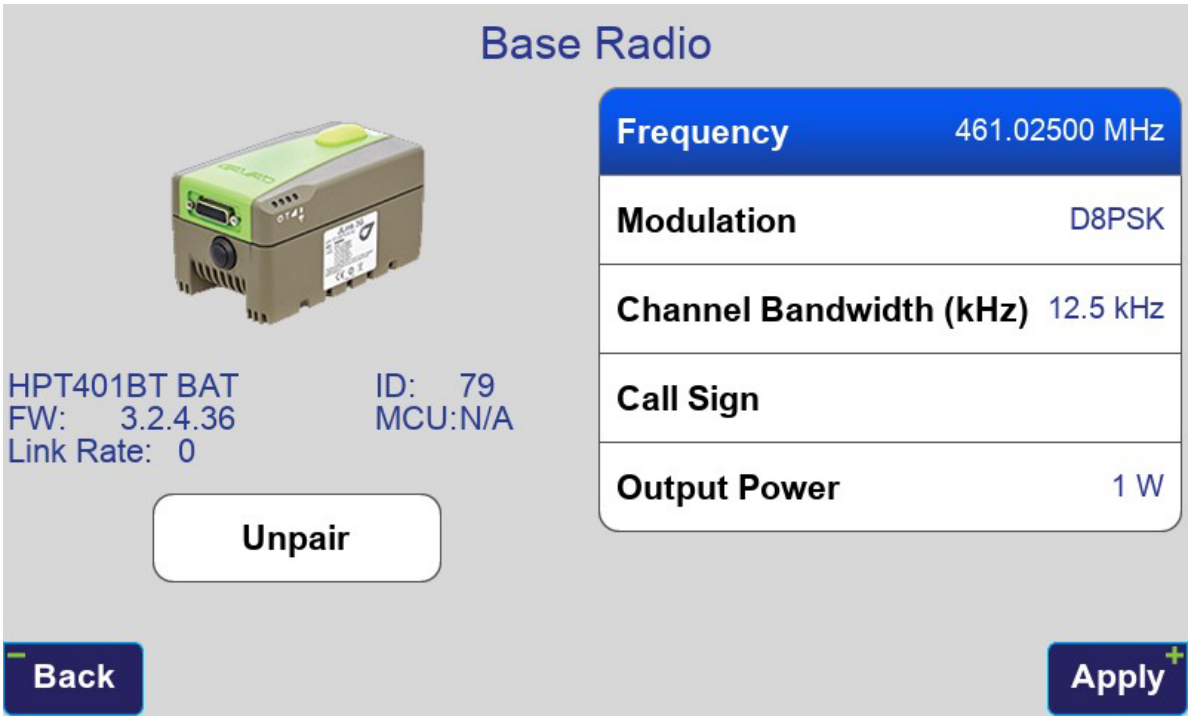
Tapping this box open the *Base Configuration* screen. The options you wish to use need to be checked. Multiple correction stream sources can now be selected. You can have your base broadcasting both through a radio and through TCP or NTRIP.



For GPS and GLONASS, the format should be set to RTCM 3.0 Min. For GPS, GLONASS Galileo and BeiDou, the format should be set to RTCM 3.2 MSM3 Short.

To configure the radio parameters tap the *Radio* button.





Similarly, TCP and NTRIP can be configured by tapping their buttons.

TCP profiles are configured with the local IP address of the base by default.

If you are using WiFi hotspot to connect your base to the internet you will need to determine the external IP address of the hotspot and update the IP address field to external IP address of the hotspot. The external IP address can determined by visiting https://www.whatismyip.com with a device connected to the internet through the hotspot.

> Before starting the base select the tab for the corrections source (*Radio*, *TCPO* or *JCORS*) that you want to use for the rover and press *Apply To Rover* to select this correction source for the rover.