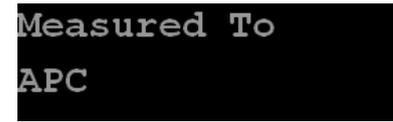


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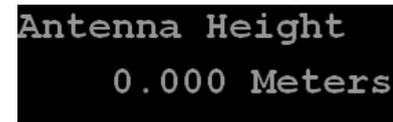
- When Zephyr Geo Mdl 2 appears, press to accept the change.
- Press again. The *Measured To* screen appears. See next.



Measuring and changing the antenna height

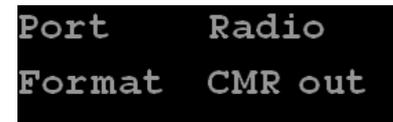
In the *Measured To* screen:

- Press . When the antenna measurement method begins to flash, the receiver is in Edit mode and you can select an antenna measurement method.
- Press to scroll through the measurement methods. When APC appears, press to accept the change.
- Press . The *Antenna Height* screen appears.



Use the *Antenna Height* screen to change the height of the antenna. Leave the antenna height as 0.000 Meters.

- Press . The *Port* screen appears. See next.



Setting the port output format

In the *Port* screen:

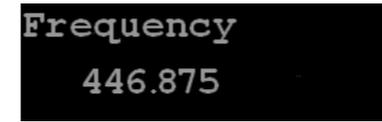
- Press to edit the *Port* setting.
- Press until Radio appears.
- Press to accept the setting.
- Press until you have selected the *Format* setting.
- Press to edit the setting.
- Press until CMR out appears.
- Press to accept the setting.

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- Press again. One of the following screens appears:



· *Network* screen (900 MHz radios)



· *Frequency* screen (450 MHz radios)

Setting the network ID or frequency

- Press to edit the setting.
- Press or until you have selected the appropriate network ID or frequency.
- Press to accept the setting.
- Press again. The *NMEA* screen appears. See next.



Completing the configuration

You do not need to change any settings in the *NMEA* screen.

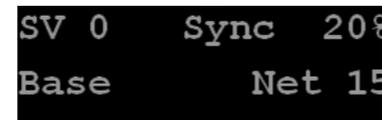
- Press . The *GSOF* screen appears.



You do not need to change any settings in the *GSOF* screen.

- Press .

The Home screen appears and the base setup is complete.



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Button functions

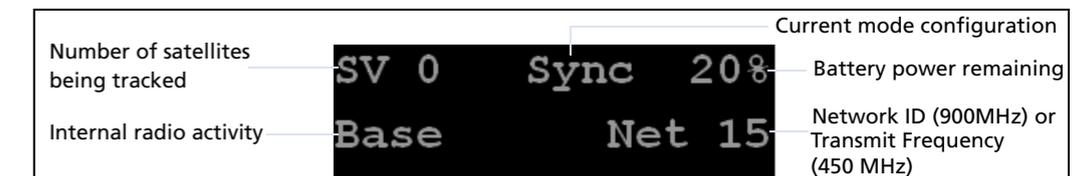
There are seven buttons on the front panel of the AgGPS® RTK base receiver. Use the buttons to turn the receiver on and off and to check or change the receiver settings.

Button	Name	Function
	Power	Turns the receiver on and off. To turn the receiver off, hold the Power button for two seconds.
	Escape	Returns to the previous screen or cancels changes being made on a screen.
	Enter	Advances to the next screen or accepts changes made on a screen.
	Up	Moves the cursor between multiple fields on a screen or makes changes to an editable field.
	Down	Moves the cursor between multiple fields on a screen or makes changes to an editable field.
	Left	Moves the cursor between characters in a field that can be changed.
	Right	Moves the cursor between characters in a field that can be changed. Press this button to enter Edit mode.

Home screen

The Home screen is the main screen displayed on the AgGPS RTK base receiver. If the receiver is displaying another screen and is left idle for 60 seconds, you are returned to the Home screen. It shows the following information:

- Number of satellites being tracked (the number of satellites in view).
- Internal battery power remaining
- Current mode configuration
- Internal radio activity
- Internal radio channel or network



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Status screens

The AgGPS RTK base receiver has several view-only status screens that allow you to review the current settings of the receiver. The status screens provide the following information:

- Position solution
- Antenna height
- CMR and RTCM IDs
- Horizontal and vertical precision
- Base name and code
- Receiver firmware version
- Latitude, longitude, and height
- Receiver serial number

To access these screens from the Home screen, press or .

Configuring a new RTK base receiver

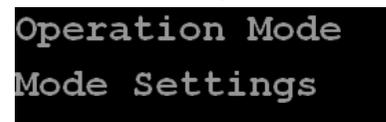
To set up the base receiver, use AutoBase™ technology or the receiver keypad.

The AutoBase feature automatically configures the receiver settings for you; there is no need to use the keypad. The receiver obtains a position and outputs RTK corrections on the internal radio (if available) or on the LEMO port.

The keypad configuration ensures that all appropriate settings are configured. To move between steps in the configuration process, press .

Configuring the receiver

1. In the Home screen, press . The *Operation Mode* screen appears.



Use the *Operation Mode* screen to configure system settings, mode settings, or to view the SV (satellite) status. Mode Settings is the default setting.

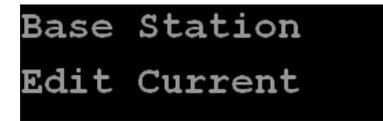
2. Press . The *Mode* screen appears.



Use the *Mode* screen to select whether the receiver will operate as a base or rover. Base is the default setting.

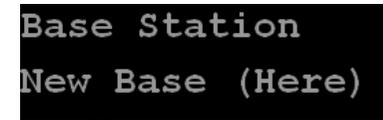
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3. Press . The *Base Station* screen appears.

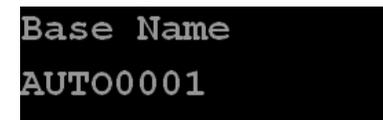


Use the *Base Station* screen to select whether the receiver is going to use a “Here” position or if the current coordinates in the receiver will be changed.

4. Press .
5. When **Edit Current** begins to flash, the receiver is in Edit mode and you can change the current setting.
6. Press . The setting changes to New Base (Here).



7. Press to accept the change.
8. Press again. The *Base Name* screen appears. See next.



Changing the name and description of the base station

In the *Base Name* screen:

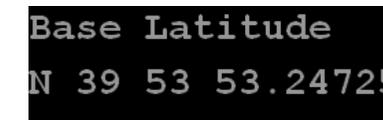
1. Press . When the first character of the base name begins to flash, the receiver is in Edit mode and you can change the current setting.
2. Press or to change the value of the character.
3. Press to move the cursor to the next character.
4. Repeat Step 2 through Step 3 to enter the name of the base station. The name can be up to 16 characters. Press to accept the change.
5. Press again. The *Base Code* screen appears.



Use the *Base Code* screen to change the code (description) for the base station.

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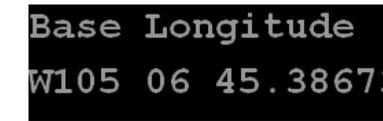
6. Press . When the first character of the base code begins to flash, the receiver is in Edit mode and you can change the current setting.
7. Press or to change the value of the character.
8. Press to move the cursor to the next character.
9. Repeat Step 7 through Step 8 to enter the code of the base station. The code can be up to 16 characters.
10. Press to accept the change.
11. Press again. The *Base Latitude* screen appears. See next.



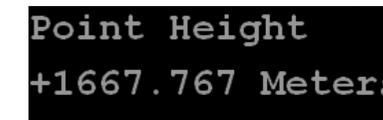
Setting the reference latitude, longitude, and height of the base station

In the *Base Latitude* screen:

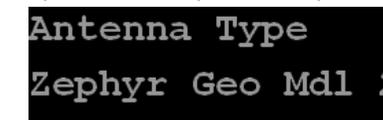
1. The base was set up with a “Here” position, so press . The *Base Longitude* screen appears.



1. The *Base Longitude* screen is used to change the reference longitude of the base station. The base was set up with a “Here” position, so press . The *Point Height* screen appears.



2. The *Point Height* screen is used to change the reference height of the base station. The base was set up with a “Here” position, so press . The *Antenna Type* screen appears.



3. Use the *Antenna Type* screen to select the type of antenna used with the receiver. Press . When the antenna name begins to flash, the receiver is in Edit mode and you can select an antenna.
4. Press to scroll through the antenna models.