

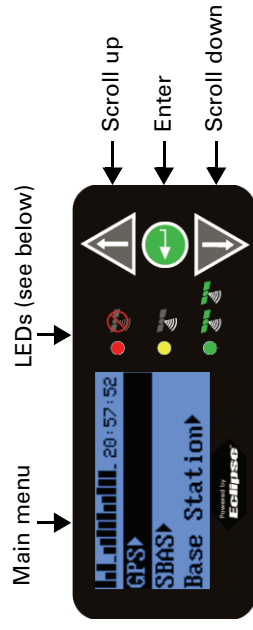
Menu Map



Outback A221 Base Station Quick Reference Guide

Part Number: 875-0246-000

The Display



Tip: To enter alphanumeric characters in an entry field, use the up and down arrow keys to scroll to the desired character and press the Enter key to select it.



Available tasks:

- *View position status
- *View individual satellite data
- *Configure GPS options - elevation mask and DGPS age
- *Select the communication port data output

GPS Menu



Available tasks:

- *View SBAS signal status
- *View satellite status
- *Select the differential source

SBAS Menu



Available tasks:

- *Set a reference point
- *Modify radio channel

Base Station Menu



Available tasks:

- *Save a receiver configuration
- *Recall a saved configuration
- *Delete a saved configuration

Configuration Wizard



Available tasks:

- *Display the receiver applications
- *Change the display format (update rate and units)
- *Set the baud rate

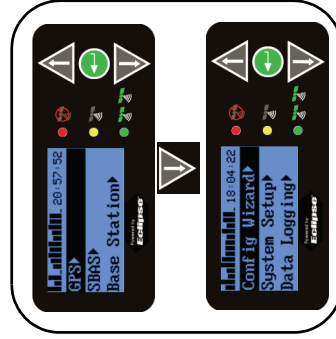
System Setup Menu



Available tasks:

- *Start logging
- *End logging
- *Name the log
- *Include receiver details in the log
- *Select the log file type [CSV (Microsoft Excel), Raw (binary), or KML (Google Maps)]

Data Logging Menu



Main Menu

Reading the LEDs

LED	Function
	Power Power on
	GPS GPS position calculated (Blinking LED indicates acquiring data)
	DGPS DGPS lock (Blinking LED indicates broadcast of a differential correction from the radio)

Note: Disk must be inserted to log data.

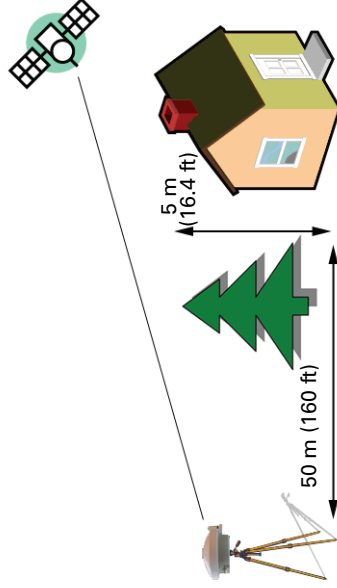
How To: Plan the Location

The A221 Base Station is pre-configured for use as a base station in an RTK system. It automatically uses its current location as the reference point.

To plan the location:

Place the base station:


- at least 1 meter (3 feet) away from the rover radio, with an unobstructed view of the sky, and
- at least 50 meters (160 feet) from any obstructions.

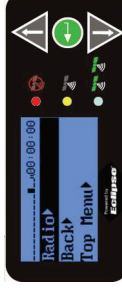



Location of the base station.

How To: Select a Radio Channel

To select a radio channel:

1. From the main menu, select **Base Station > Radio**. You will see the **Radio** screen displaying the radio manufacturer, version number, and channel.
2. Press  to select the **Channel** field.



3. Use the arrow keys to select the desired channel. Press  to save.

4. Select **Back** to return to the previous menu.



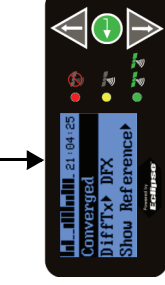
How To: Verify RTK Lock

To verify RTK lock:

1. **Wait for RTK lock (maximum accuracy).** The screen will cycle through the following displays.



Countdown to position lock.



Position lock.



GPS Position Status screen.

Note: It takes 3 - 5 minutes for the base station to achieve RTK lock in an unknown location.

It typically takes the base station less than 60 seconds to achieve RTK lock in a known location.

2. You're ready to work!

How To: Set an Alternate Reference Point

Advanced users may need to set an alternate reference point.

To set an alternate reference point:

1. From the main menu, select **Base Station > Reference**.



2. Select **Enter New**.



Note: You may also select **Use Current Position** or **Re-Average Position**.

3. Enter the desired coordinates.



How To: Save a Configuration


Advanced users may wish to save a configuration. The **Configuration Wizard** allows you to:

- Save a configuration
- Return to a saved configuration
- Delete a saved configuration

To save a configuration:

1. From the main menu, select **Config Wizard > Proceed Wizard > Enter Name**.



2. Use the arrow keys to enter a name. Press  to save.

3. Select **Save to Location** to save.



To return to a saved configuration:

- From the main menu, select **Config Wizard > Use Previous** and then select the desired configuration.

To delete a saved configuration:

- From the main menu, select **Config Wizard > Delete Saved** and then select the desired configuration.