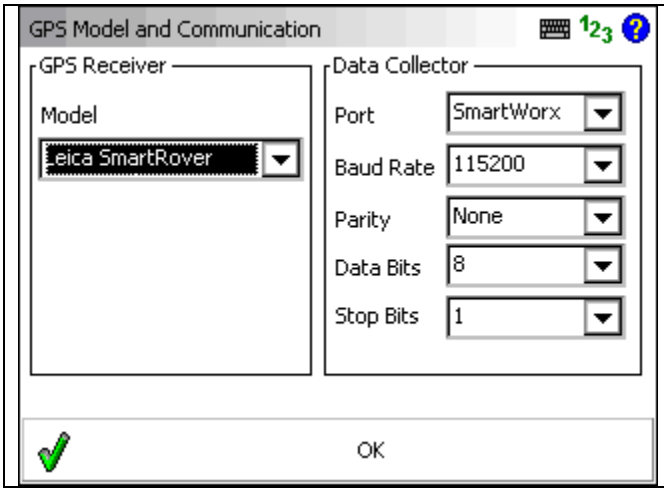
Leica RX1250 Rover NTRIP Connection

Profile Settings

Model and Communication

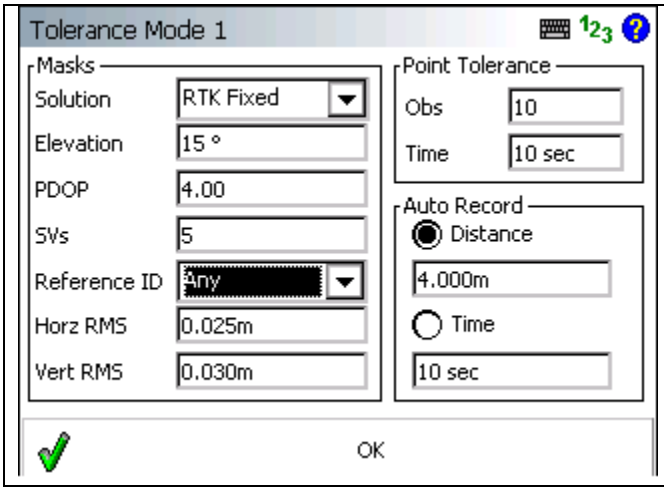


The default baud rate for the Leica RX1250 is 115200. To use the Bluetooth connection to connect to the Smart Antenna, simply choose SmartWorx as the port.

FieldGenius will automatically find the antenna and establish a Bluetooth connection so there isn't anything else to do here.

Press OK when finished.

Configure Tolerance Modes



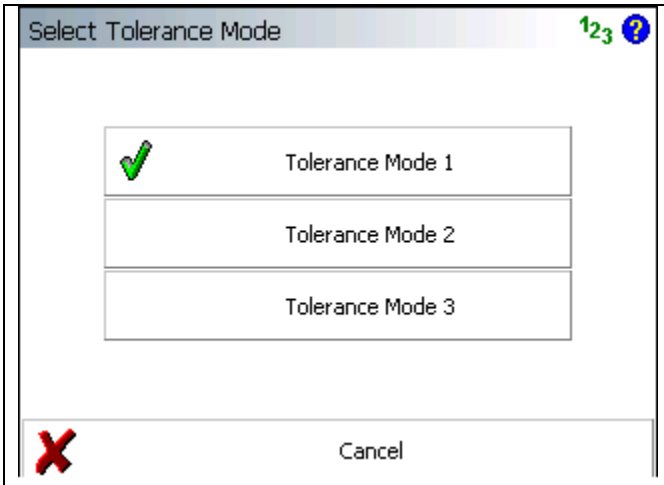
There are three different tolerance modes that can be set.

Configure the three configurations based on your needs.

Once connected you can switch between them on the GPS Control menu.

Press OK when finished.

Active Tolerance Mode

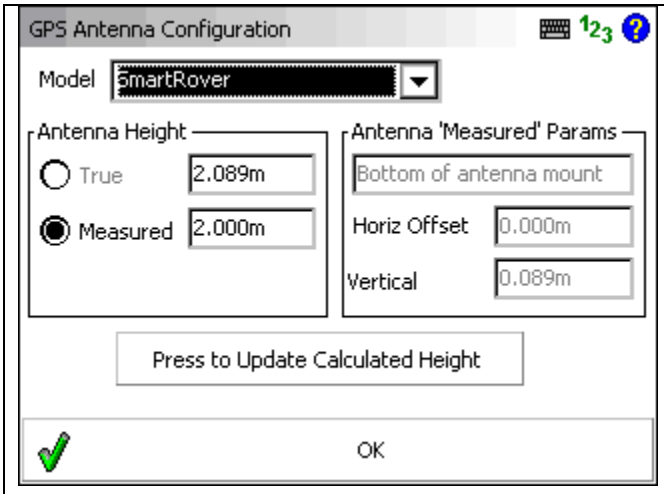


Here you can set the default tolerance mode when you first connect to the rover.

Once connected you can switch between them on the GPS Control menu.

Press Cancel to exit.

Antenna Height



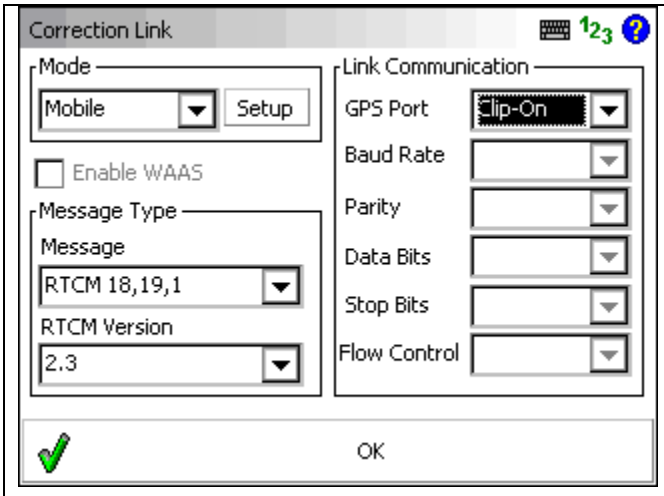
You should always confirm the antenna offset to those published for your receiver and select the correct model from the list.

For the Smart Antenna, you will select the SmartRover Antenna. The Horizontal and Vertical offsets displayed in the Antenna Parameters cannot be changed, these are hard coded values. In this area we also display where you should measure to, in this example you would measure from the tip of the pole to the bottom of the antenna mount.

In our example, the user measured 2.0 meters exactly from the tip of rod to the bottom of the antenna mount. Once you enter this value, you need to press the "Update Calculated Height" button so that FieldGenius will compute a true height to the phase center of the antenna.

Press OK when finished.

Correction Link



When working with the Smart Antenna, you need to set the GPS Port to “Clip-on”.

Depending on how you will be receiving your corrections, select either Radio or Mobile.

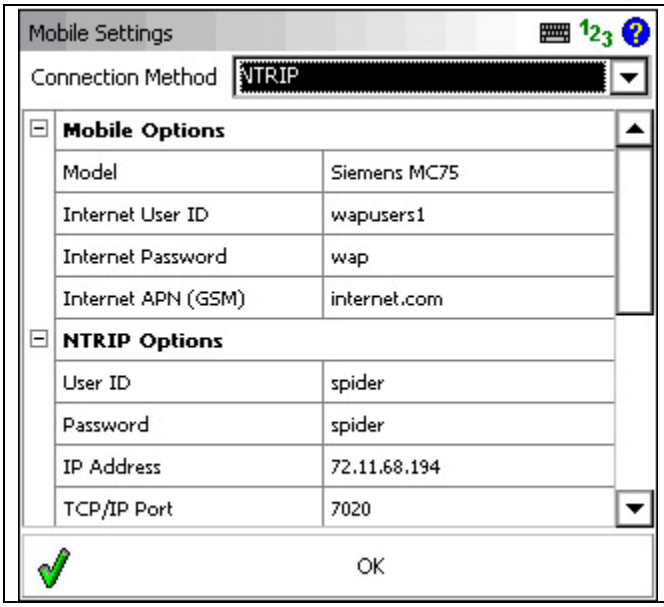
To receive connections over the internet you will use Mobile.

Choose the message type you want to use such as CMR or RTCM.

Press the Setup button to set the mobile parameters.

Press OK when finished.

Correction Link – Mobile Setup

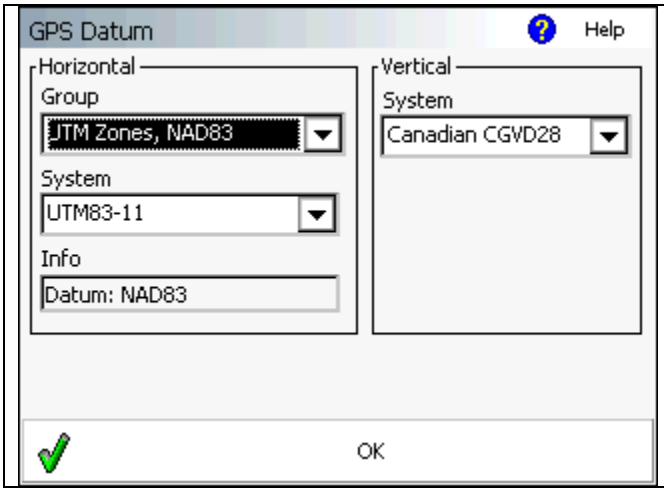


The first thing you need to set is the connection method, we need this to be GPRS.

Secondly you need to define the login parameters for the modem connection to the internet, followed by the login information for the GPRS server.

Press OK when finished.

Datum Settings



Choose the datum settings for the area the GPS receiver is in. Note: You usually need to extract the grid (geoid) files for your area before using FieldGenius.

To do this, use the Datum Grid Editor that is available on the FieldGenius CD that was shipped with FieldGenius or download it from our Support Helpdesk.

You can access this screen by going to Start | Settings | Coordinate Systems

