Leica GPS1200 – Cable Connection to Ohmex SonarLite Echo Sounder

This guide will take you through configuring SmartWorx to accept and record depths from the SonarLite echo sounder via the cable.

When you measure a GPS position, the most recently received echo sounder depth will be recorded as an Annotation to that point.

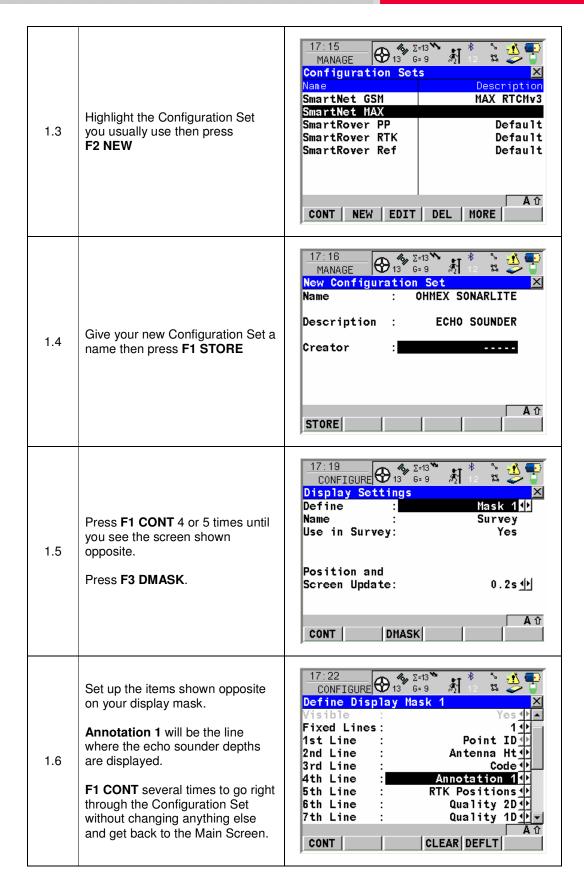
Contents:

- 1. Configuring SmartWorx to connect to the Ohmex SonarLite and configuring the Display Mask to show the measured depth
- 2. Configuring AutoPoints to display and record measured depths
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1. Configuring SmartWorx to connect to the Ohmex SonarLite echo sounder and configuring the Display Mask to show the measured depth

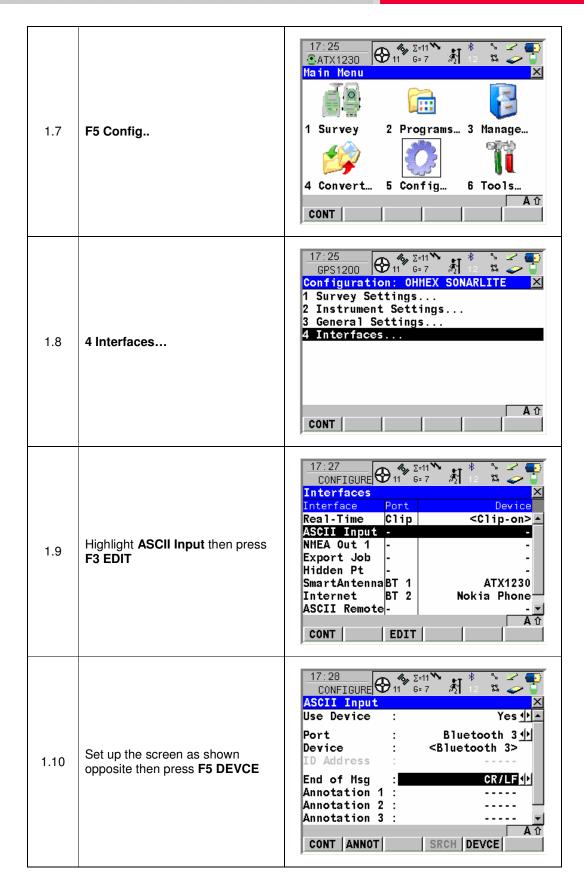
Step	Instruct	ion & Screenshots
1.1	3 Manage	17:12 13 2:13 12
1.2	5 Configuration Sets	17:14 Image: 13 minipage of the second s



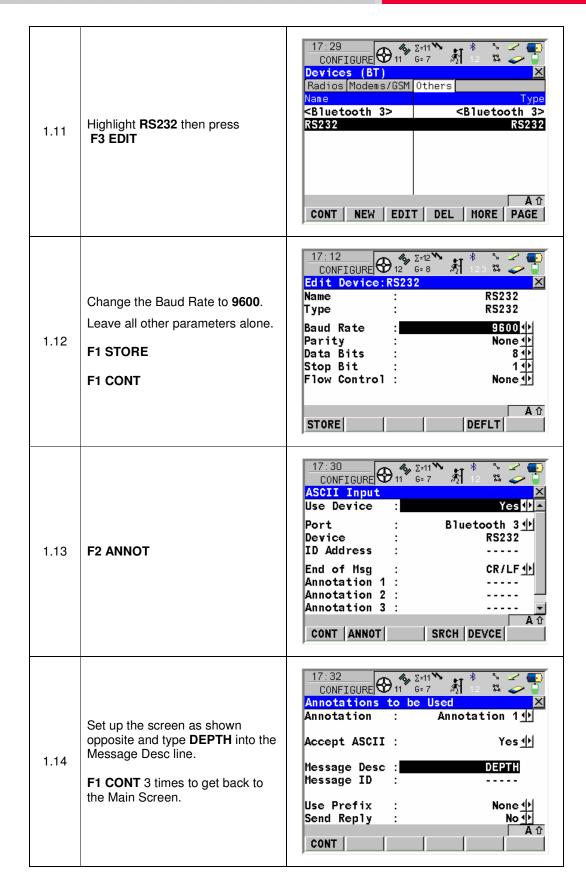




- when it has to be **right**









2. Configuring AutoPoints to display and record measured depth

This section is not necessary if you intend to press the Occupy button every time you want to survey a point. However, if you intend to use the AutoPoints function to survey points automatically e.g. every 1 second then you need to follow these steps.

2.1	Survey	17:42 ● 11 ● 2+11 ● ● 11 ●
2.2	Set up your job and make sure you select your new Config Set. F1 CONT	17:48 SURVEY Image: Sector of the sect
2.3	Press SHIFT then F2 CONF	17:52 SURVEY 11 2=11 120



2.4	F6 Page Set up the AutoPoints either by Distance or Time as you prefer. If you choose to log AutoPoints by Time, then do not log points more often than every 1.0s or you'll have far too much data. F3 DMASK	17:54 Image: Second
2.5	Set up the AutoPoints display something like the page opposite. It is good to include the Moving antenna ht and the number of Msd auto points you have surveyed. The Annotation 1 will show the measured depth. F1 CONT twice to return to the Survey screen.	18:03 SURVEY Image: Second secon
2.6	You are now ready to start surveying AutoPoints when you press F1 to START	18:04 Start Start <th< td=""></th<>



3. Using the correct Format File to export a CSV coordinate file with measured depth in the 5th column

When you have completed your survey you will then probably want to export your data to a CSV file in the format:

Pt ID, Easting, Northing, Orth Ht, Depth

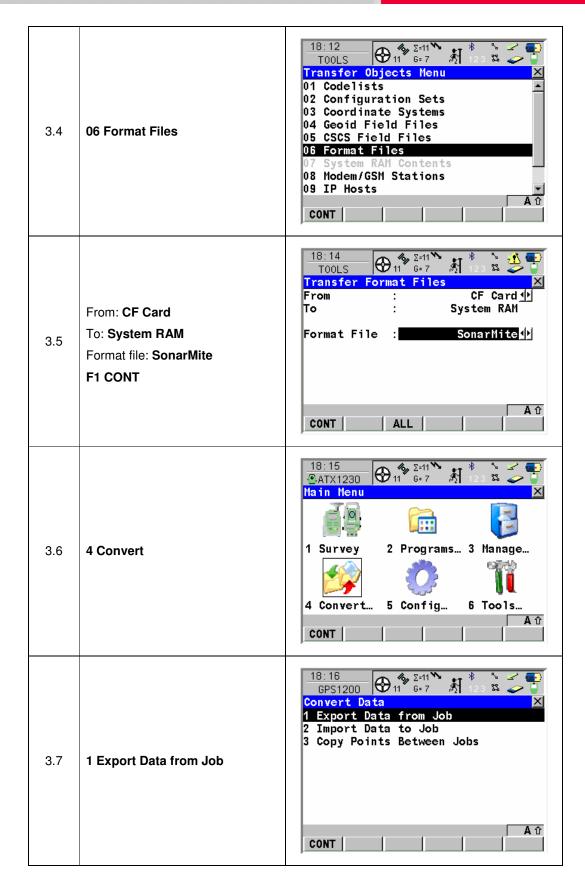
Ask your Leica contact for the Format File called SonarMite.FRT which will export your survey data in this format.

To load and use this Format File onboard the GPS1200 kit, follow these steps.

3.1	Copy the SonarMite.FRT file into the Convert folder o n your CF Card. Put the CF Card back you're your GPS1200 kit.	Convert Image: Convert File Edit View Favorites Tools Help Image: Convert Address Go Image: Convert Image: Convert Image: Convert Image: Convert Name Size Type Image: SonarMite.FRT 1 KB FRT File
3.2	6 Tools	18:10 11 5:11 12 5:2 5:2 Main Menu 11 6:7 12 5:2 5:2 Main Menu 1 12
3.3	Transfer Objects	18:10 Image: Second structure GPS1200 Image: Second structure Tools Menu Image: Second structure 1 Format Memory Device Image: Second structure 2 Transfer Objects 3 Upload System Files 3 Upload System Files 4 Calculator 5 File Viewer 6 Licence Keys 7 Field to Office A T



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3.8	You may not see this screen, but if you do choose Export ASCII	18:17 Image: Sentement of the sentement of t
3.9	Set up the screen as shown opposite making sure you select the SonarMite Format File. F2 CONF	18:20 Image: Second
3.10	Type in CVS into the Default file extension box. F1 CONT twice to export your data to the CF Card in CSV format then press F4 NO to say you don't want to export any more data.	18:24 2:11 12:0

