spatial TECHNOLOGIES
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Connecting CS20 Captivate controller to Cee HydroSystems Cee-Line

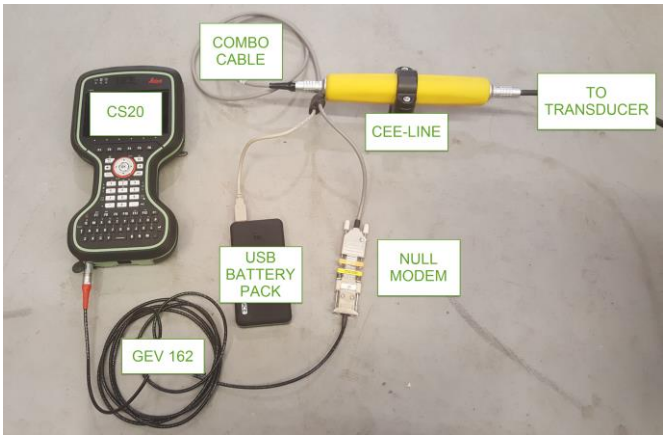
Hardware Connection

Required Hardware:

- Cee HydroSystems Cee-Line
- Cee HydroSystems Combo Cable
- Leica Captivate CS20 Controller
- USB Battery Pack
- Leica GEV 162 Cable
- RS232 Null Modem adapter

Hardware Connection

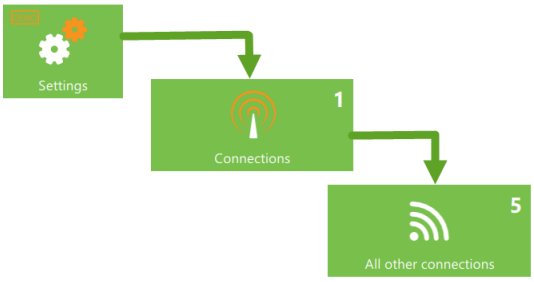
- CS20 Port 1 > GEV 162
- GEV 162 > Null Modem Adapter
- Null Modem Adapter > Combo Cable
- Combo Cable > USB Battery Pack
- Combo Cable > Cee-Line



Software Settings

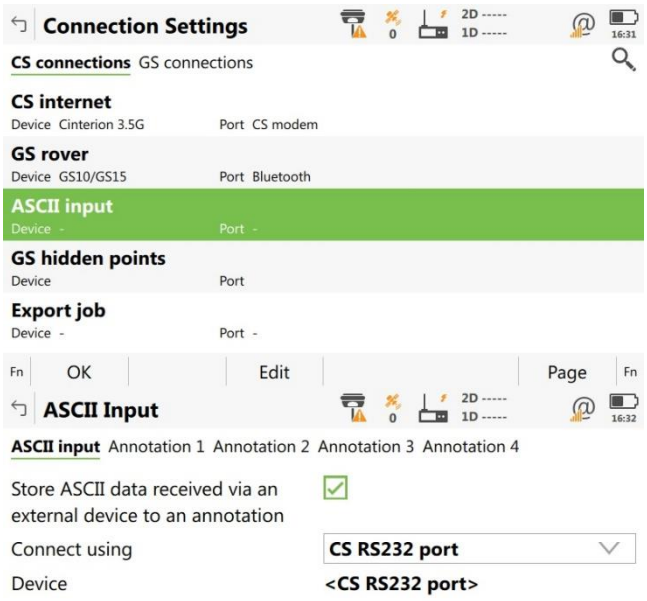
From the Leica Captivate Main Menu

1. Select Settings
2. Select Connections
3. Select All other connections



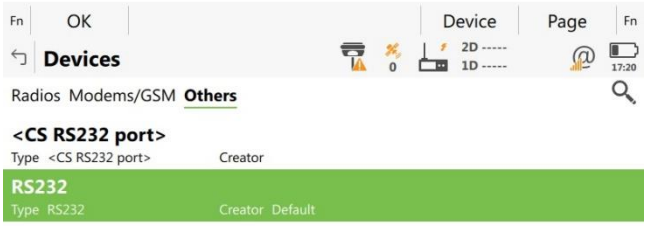
Connection Settings

1. Select ASCII Input
2. Press F3 – Edit



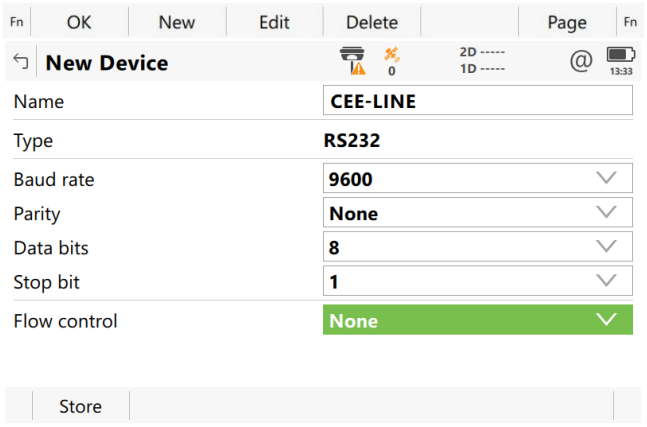
ASCII Input

1. Check box to store ASCII Data
2. Connect using CS RS232 Port
3. Press F5 – Device



Devices

1. Select RS232
2. Press F1 – New

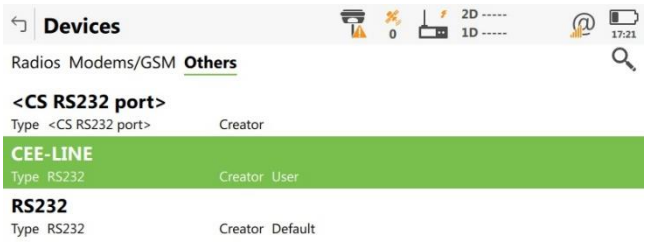


New Device

1. Name New Device
2. Select settings as shown:
   - 9600
   - None
   - 8
   - 1
   - None
3. Press F1 - Store

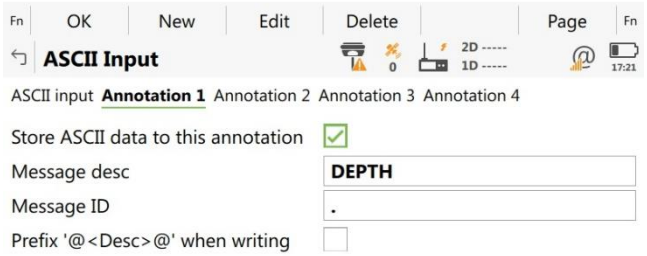
Select Device

1. Select created device
2. Press F1 – OK



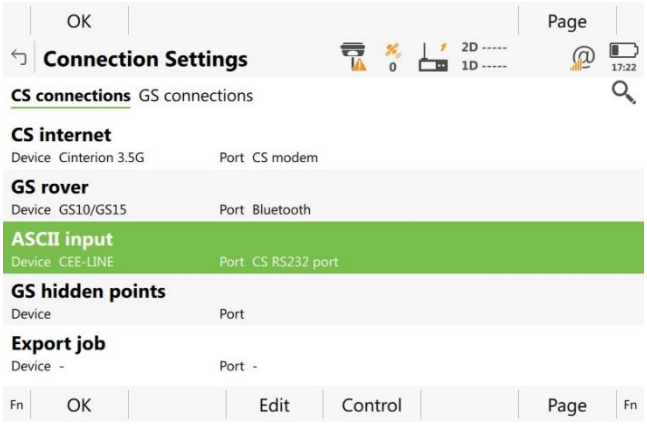
ASCII Input

1. Press F6 – Page to view Annotation 1
2. Check store ASCII data
3. Message desc title is DEPTH
4. Message ID select "." As shown
5. Press F1 – OK



Connection Settings

1. ASCII input is now correctly using CS Port and CEE-Line device
2. Press F1 – OK



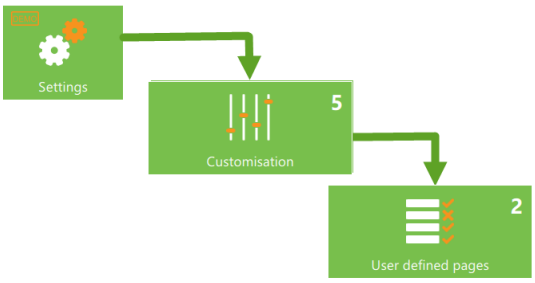
Data from the CEE-LINE will now be stored to Annotation 1 of the recorded points.

It may be desirable to view the depth on the Measure Screen when measuring points. This is accomplished by configuring the Measure Screen to include this information.

Measure screen configuration – Show Annotation information

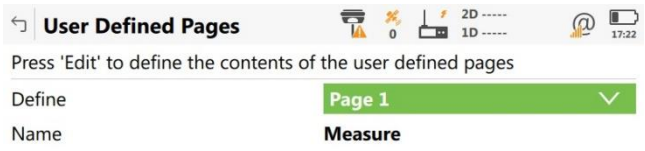
From the Leica Captivate Main Menu

1. Select Settings
2. Select Customization
3. Select User defined pages



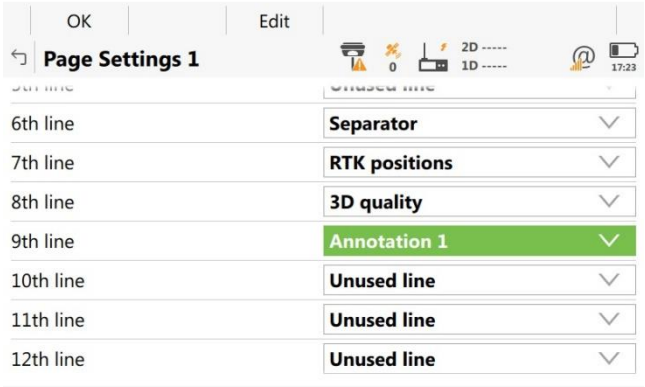
User Defined Pages

1. Select Page 1
2. Press F3 – Edit



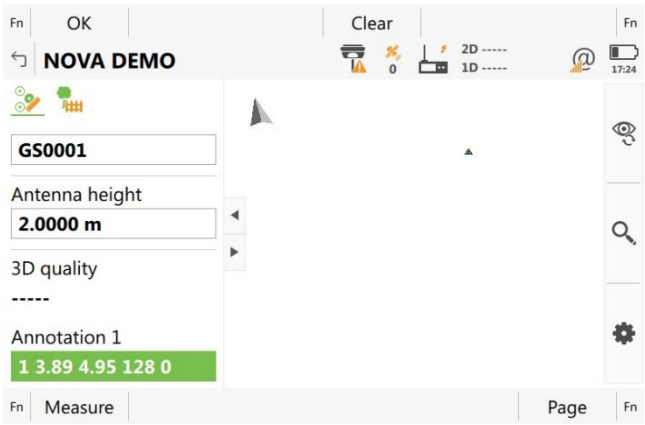
Page Settings 1

1. Find an Unused line
2. Select Annotation 1
3. Press F1 – OK
4. Press F1 – OK to return to Main Menu



Measure Screen

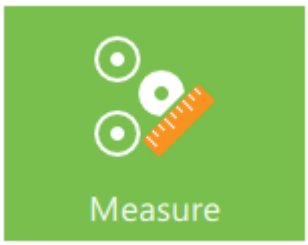
The exported string from the CEE-LINE is now displayed as per Annotation 1.



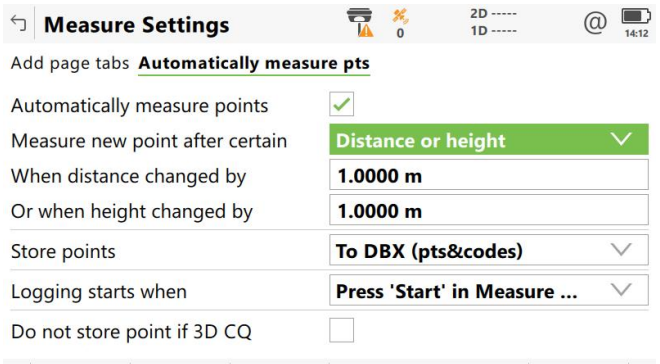
Measurement of points can be done manually but it may be more efficient to measure points every few seconds or over a defined distance. To do this requires auto point measurement to be defined.

Auto point measurement configuration

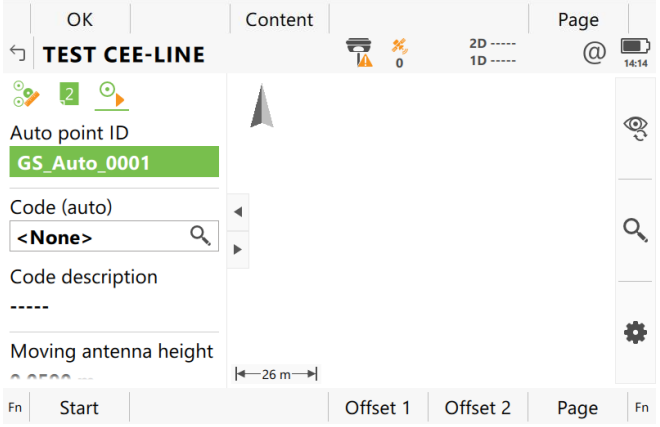
1. Begin Measure application
2. Press the Function button
3. Press F1 – Settings



1. Check Automatically measure points
2. Select the option on when to measure:
   - Time
   - Distance
   - Distance/Height
   - Distance/time
   - Keypress
3. Store by press F1 – OK



Auto point measurement is now available as a PAGE in the Measure application



1. Press F1 – Start to start the measurement process
2. Press F1 – Stop to stop the measurement process