

# Connecting Viva controller to Ohmex Echo Sounders CS10/CS15 Settings



# Connecting Viva controller to SonarLite

## CS10/CS15 Settings - Introduction

The new Leica Geosystems Viva CS10 and CS15 controllers can be connected to an Echo Sounder by Bluetooth or by serial cable. The Ohmex 'SonarLite' legacy echo-sounder has a serial cable connection only; the SonarMite has both Bluetooth and serial options.

This slideshow covers the use of serial cable connection to the SonarLite and SonarMite (the process is the same), and also the minimal extra steps to use the SonarMite with Bluetooth.

For CS10 and CS15 dataloggers, the correct Leica cable to use is the GEV 162, connected to the Ohmex serial cable with Green connector.

# Connecting Viva controller to SonarLite CS10/CS15 Settings

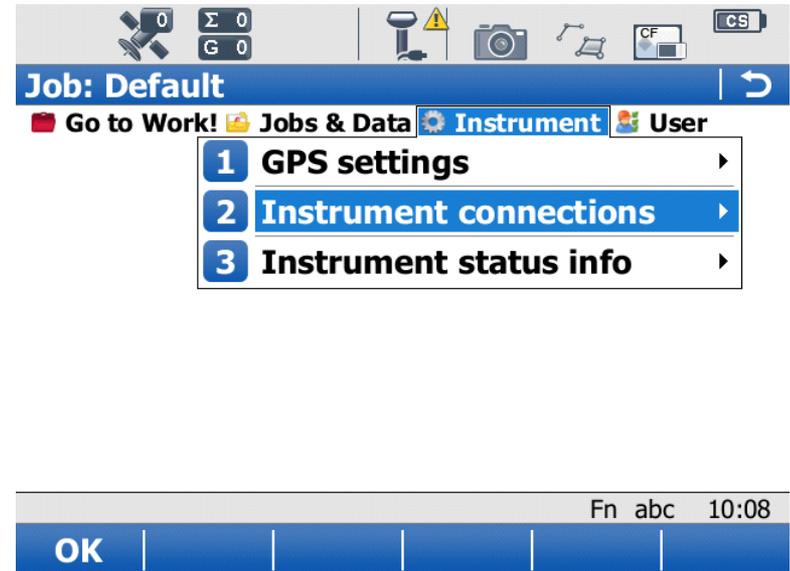
1. Switch on, choose GPS,  
and go to main screen.

2. Highlight option 3, Instrument.



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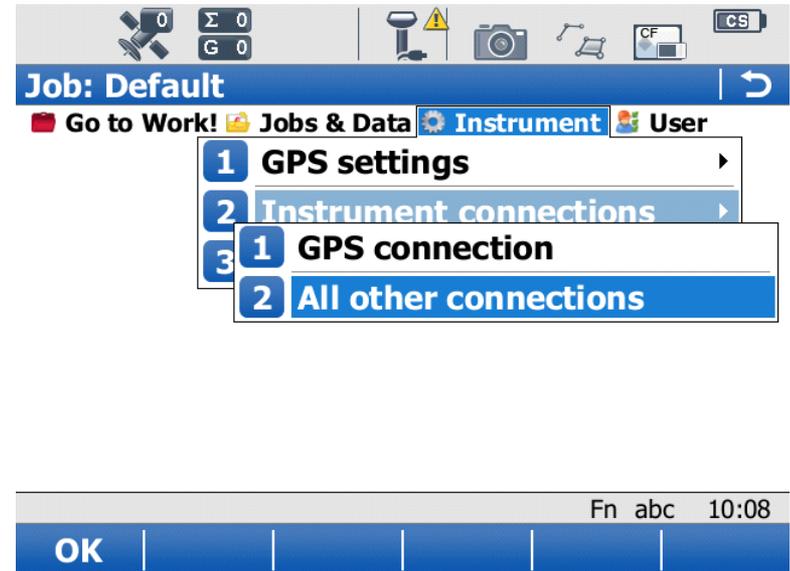
3. Choose option 2,  
'Instrument connections' (or  
'Connect to Instrument'  
if using icons)



# Connecting Viva controller to SonarLite

## CS10/CS15 Settings

4. Choose option 2,  
'All other connections'



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## CS10/CS15 Settings

5. Highlight 'ASCII Input',  
then Press F3, 'Edit'.

Connection	Port	Device
CS Internet	-	-
GPS Rover	Cable	GS
<b>ASCII Input</b>	-	-
GPS Hidden Pt	-	-
Export Job	-	-

# Connecting Viva controller to SonarLite

## CS10/CS15 Settings

6. Tick 'Receive ASCII data..'

7. At 'Connect using',

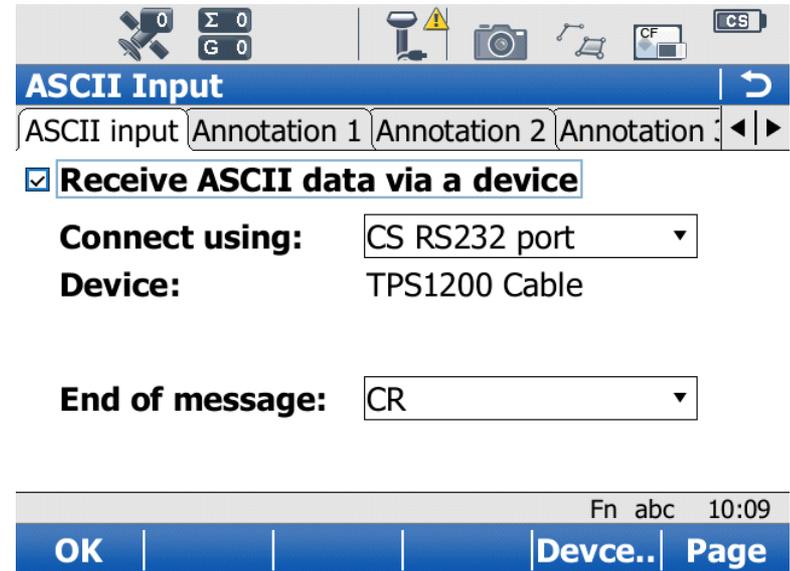
Choose 'CS RS232 Port'.

(7a. To use the SonarMite

via Bluetooth, select an unused

'CS Bluetooth' port)

8. Press F5 'Device'.

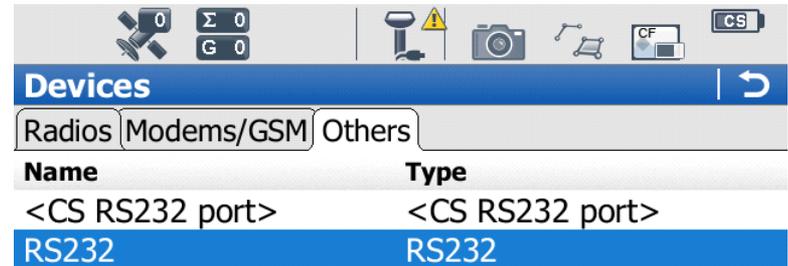


# Connecting Viva controller to SonarLite

## CS10/CS15 Settings

9. Press F6 to page to 'Others'  
and highlight 'RS232'.

10. Press F2 'New'.



# Connecting Viva controller to SonarLite

## CS10/CS15 Settings

11. Create new 'Name', eg 'Sonarlite'

12. Choose 'Baud rate' as 9600 or 4800

13. Press F1 'Store'.

The screenshot shows a software interface for configuring a new device. The title bar reads 'New Device'. The configuration fields are as follows:

<b>Name:</b>	Sonarlite
<b>Type:</b>	RS232
<b>Baud rate:</b>	9600 or 4800
<b>Parity:</b>	None
<b>Data bits:</b>	8
<b>Stop bit:</b>	1
<b>Flow control:</b>	None

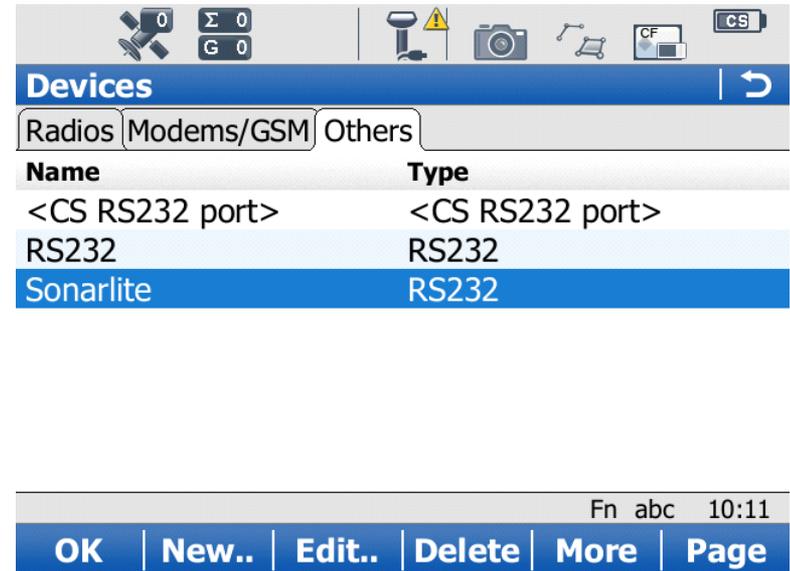
At the bottom of the screen, there is a status bar with 'Fn abc 10:11' and a blue bar with the 'Store' button highlighted.

# Connecting Viva controller to SonarLite

## CS10/CS15 Settings

The new device will appear.

14. Press F1 'OK'.



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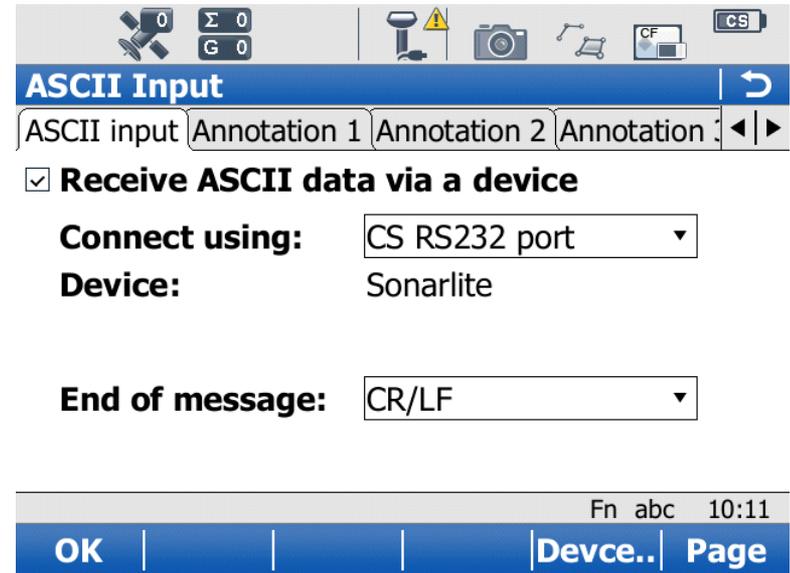
## CS10/CS15 Settings

15. For 'End of message' choose  
'CR/LF' (do not press OK yet)

(15.a If using Bluetooth, press

F4 'Search', identify the

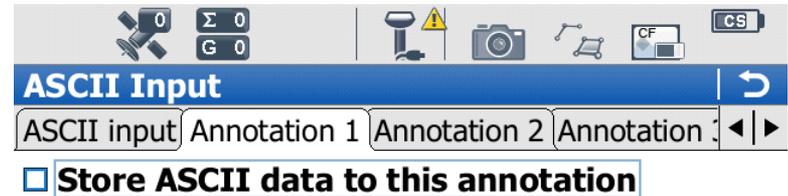
SonarMite, and press F1 'OK' to accept the device)



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## CS10/CS15 Settings

16. Press F6 and page to the tab  
'Annotation 1'.



17. Tick the box 'Store ASCII data..'.



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## CS10/CS15 Settings

18. In the 'Message desc' box, enter a description, eg 'Depth'.

19. Press F1 'OK'.

20. Press F1 'OK' again to return to the opening screen..

And you have finished!

You can now use the 'Star' (favourites) key, scroll down to 'Hot Keys..' and select 'GPS – ASCII Input Status' on a hot-key to view the incoming depth data at any time.

