

Connection Guide Long Range Bluetooth Total Station Radio Handle RH16

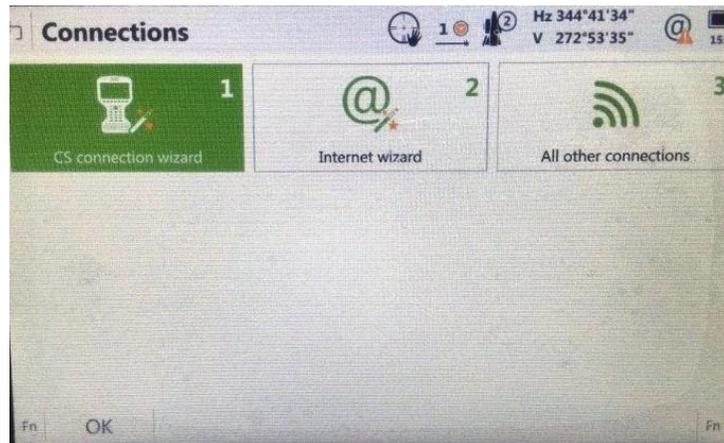
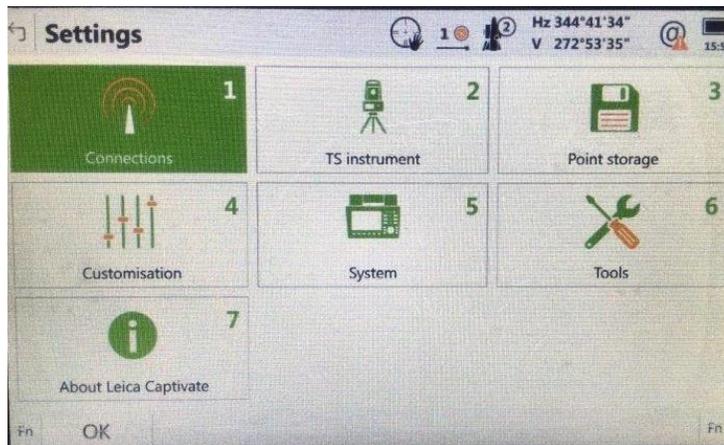
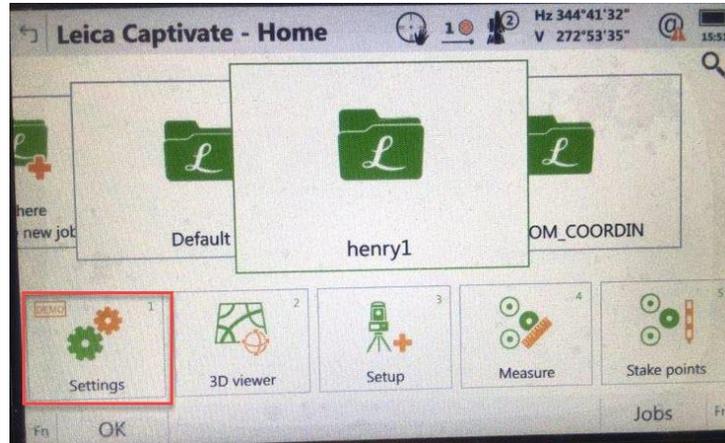
PROCEDURE TO CONFIGURE LEICA TOTAL STATION USING A RADIO HANDLE WITH LONG RANGE BLUETOOTH (LRBT) TO CONNECT WITH A CS20 WITH A LRBT MODEM

This document will show the user how to configure a TS13 or 15 total station running captive version 3.57 and higher with a RH16 radio handle to connect using the long range Bluetooth radio modem. The connection procedure is different than using standard Bluetooth. The controller and total station hardware must both have radio modems that support long range Bluetooth.

This procedure is for FieldGenius version 10.0.27.1, Evidence Recorder 11.2.27.1 and Layout 3.2.27.1 and newer. Older versions of these MicroSurvey applications used a different procedure for connecting to the RH16 Radio handle.

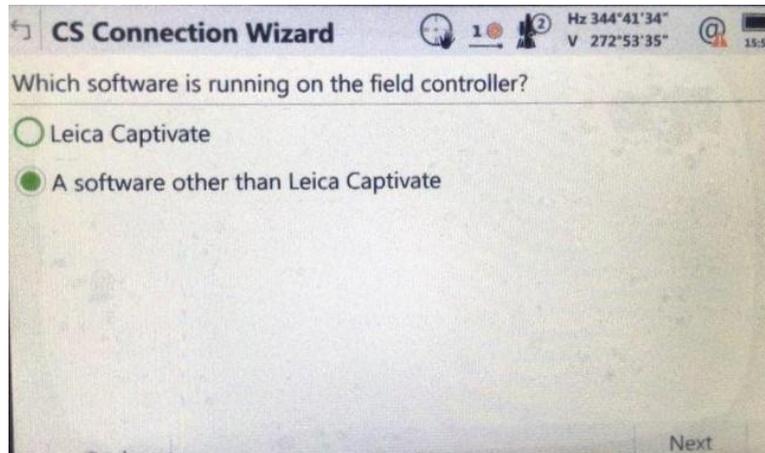
Configure Leica Robotic Total Station

- Turn on Total Station
- Start Captivate
- Select Settings
- Select Connections
- Select CS Connection Wizard



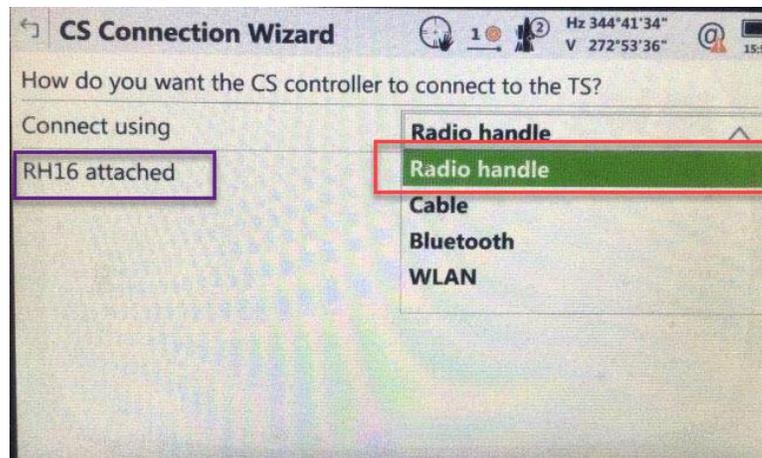
Configure GeoCOM third party connection

- Select a software other than Leica Captivate (set-up MicroSurvey FieldGenius or Evidence Recorder Mobile software)



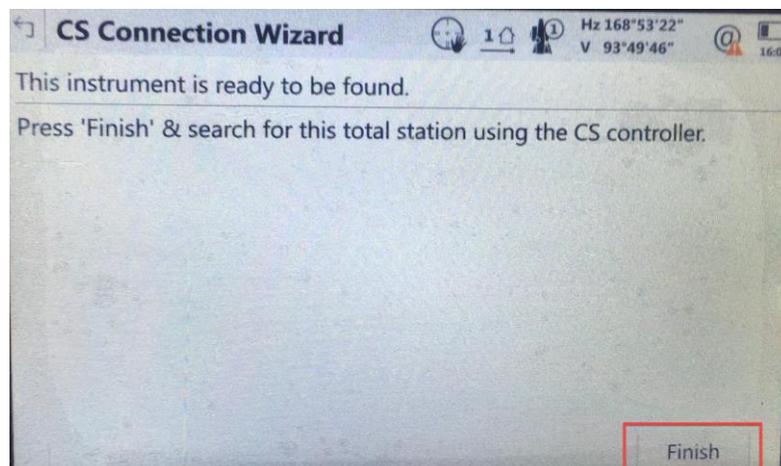
Select Radio handle

- Check RH16 radio handle is on Total Station
- Make sure the radio handle is seated securely and power light is on.
- Select the Radio handle option from drop down
- Check RH16 is listed as attached
- Select Next



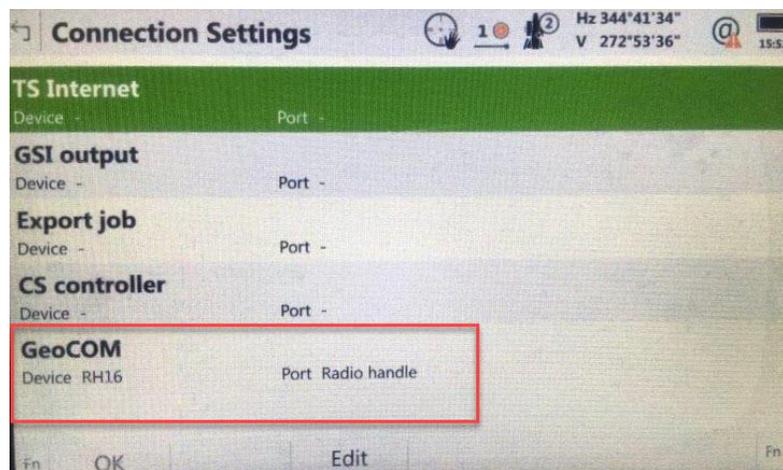
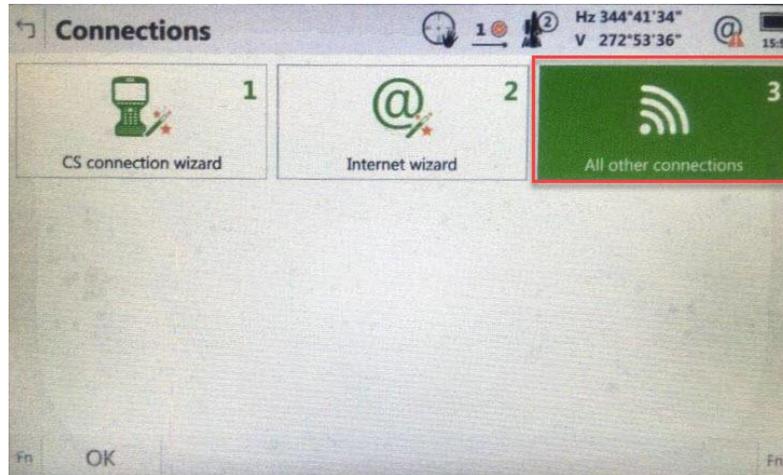
Complete setting up Radio Handle on Total Station

- Select Finish to set up Radio Handle Connection



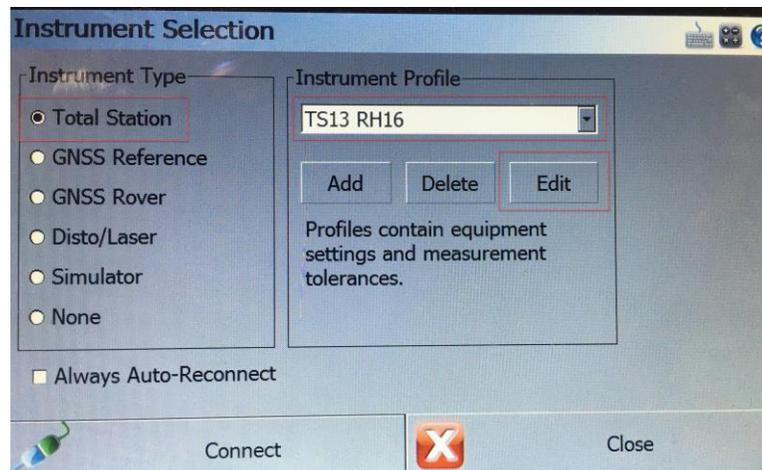
Check Radio Handle Connection

- Select Settings from Main Screen
 - Select All other connections
 - Check GeoCOM Device RH16 is listed with Port set to Radio Handle
 - Select OK or back to go to main screen
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- Configuration of the total station is complete the RH16 radio handle will now be discoverable by third party mobile applications.



Configure Evidence Recorder

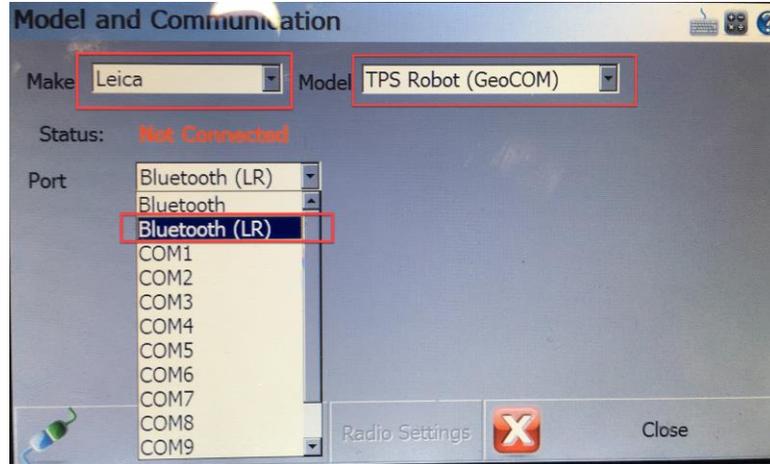
- Launch Evidence Recorder version 11.2.27.1 or higher
- Open a Project
- Go to Instrument Selection screen
- Select Total Station Instrument type
- Add a new Profile for Radio Handle
- Select Edit



Select Make Model and Port

- Select Make = Leica
- Select model = TPS Robot (GeoCOM)
- Select Port = Bluetooth (LR)

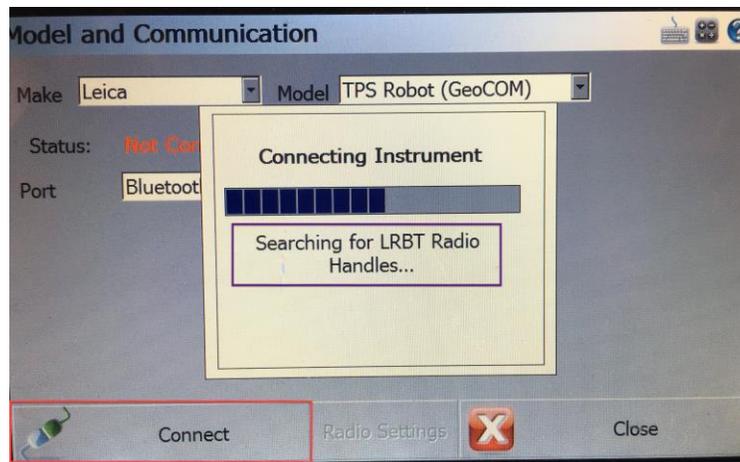
Note: This is a new workflow from previous versions that had a radio option. The connection has now been more automated.



Connect

- Select Connect to start the connection process to the radio handle

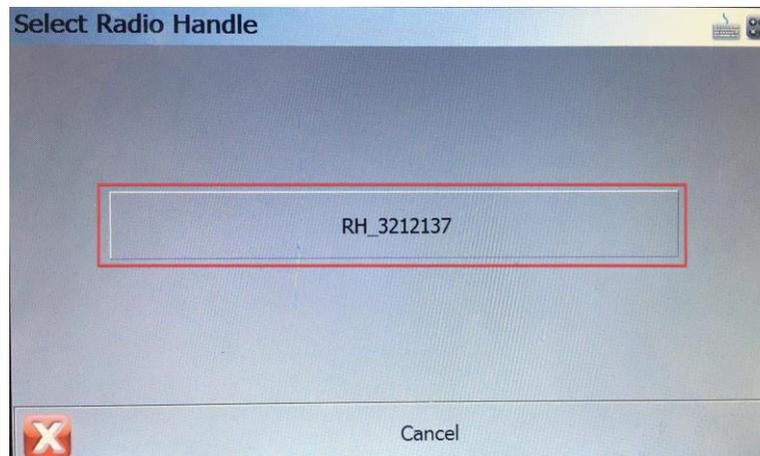
Note: The application will search for available radio handles that are configured in Captivate as described above.



Select Radio Handle

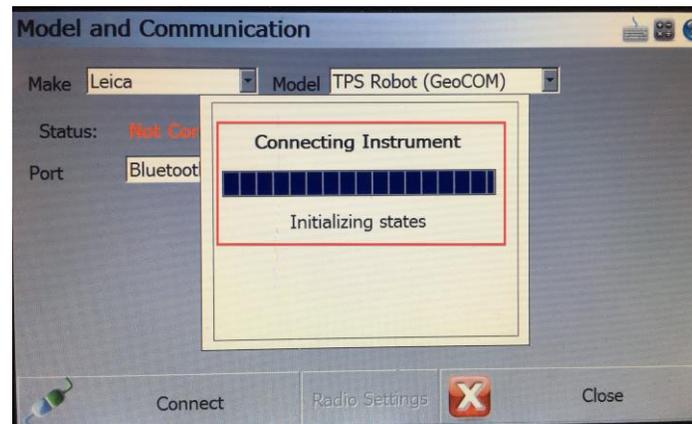
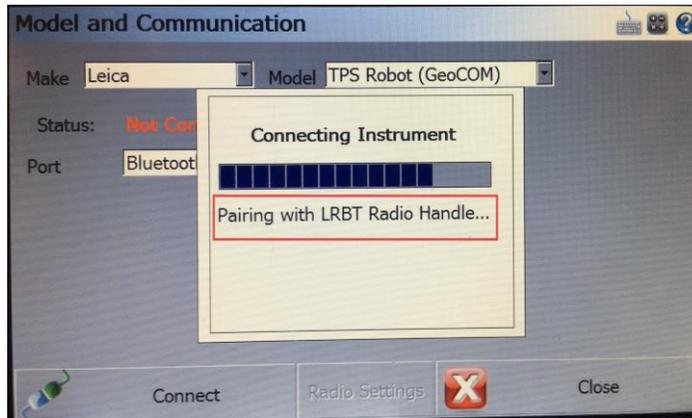
- Select the radio handle you want to connect with.

Note: the Serial number of the total station is returned after RH_ to identify the correct total station you are trying to connect with



Pair to radio handle

- The application will provide status updates in the connection window as it connects with the radio handle



Connection Complete

- When the connection to the Radio handle is complete the level Instrument screen is displayed.

