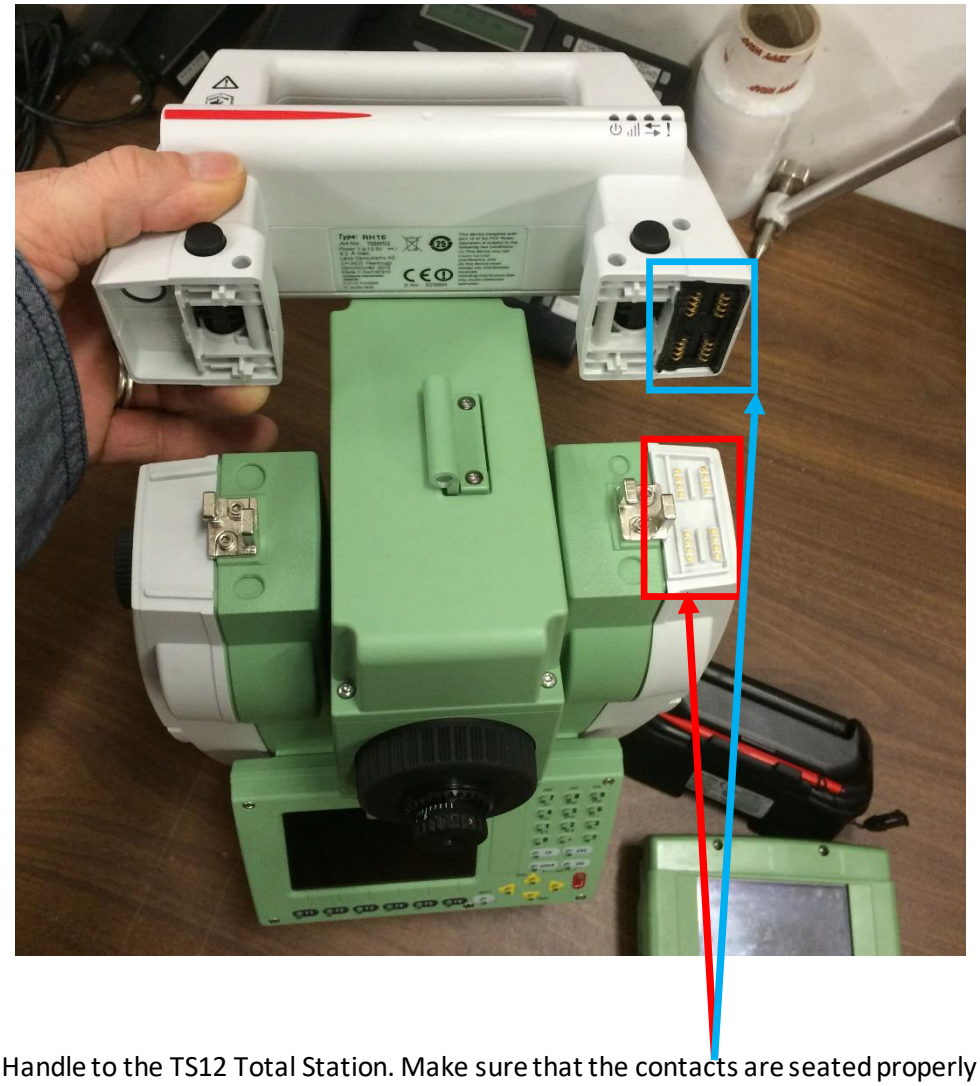
Quick Setup for Leica Viva TS12 Robotic Total Station

Before you begin, you will need the following items:

- Leica CS10 or CS15 field controller
- Leica TS12 Total Station
- Leica RH16 Radio Handle
- Leica CPT16 Radio Cap
- (2) Fully Charged Leica Li-Ion Batteries (GEB212 for CS10/15; GEB221 for TS12)

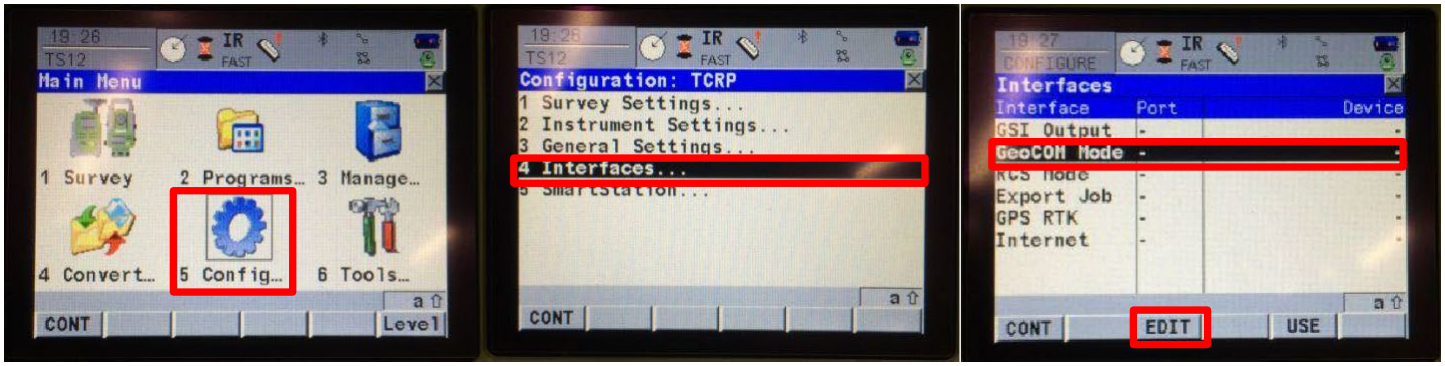
Instrument Setup



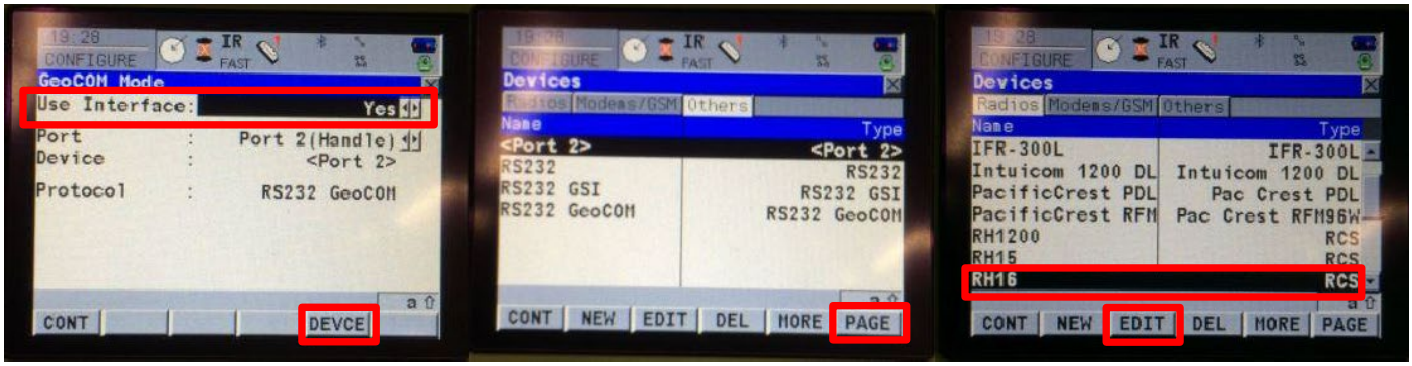
Attach RH16 Radio Handle to the TS12 Total Station. Make sure that the contacts are seated properly and that the handle fits tight.

Turn on the total station. From the main menu, select:

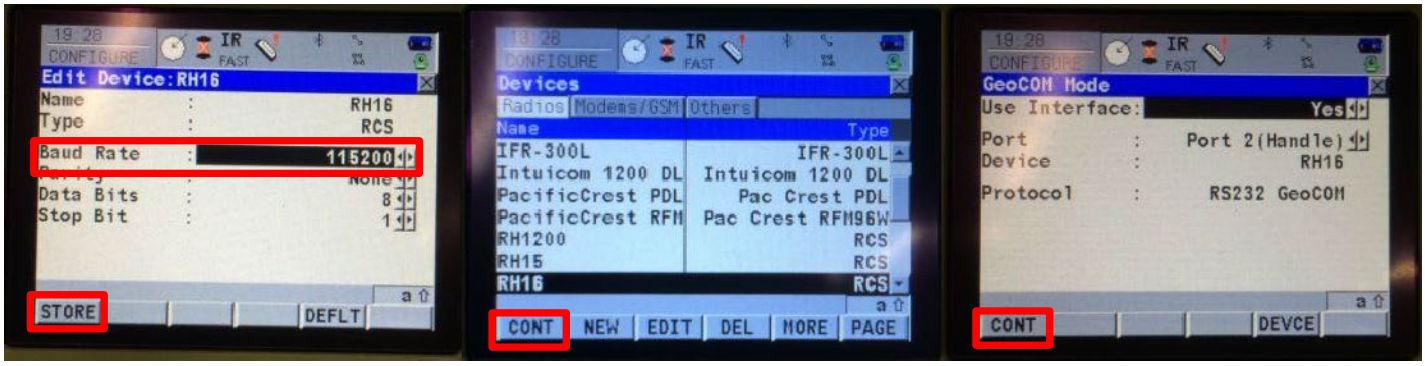
(5) **CONFIG** -> (4) **Interfaces**. Highlight **GeoCOM Mode** and tap **EDIT** (F3)



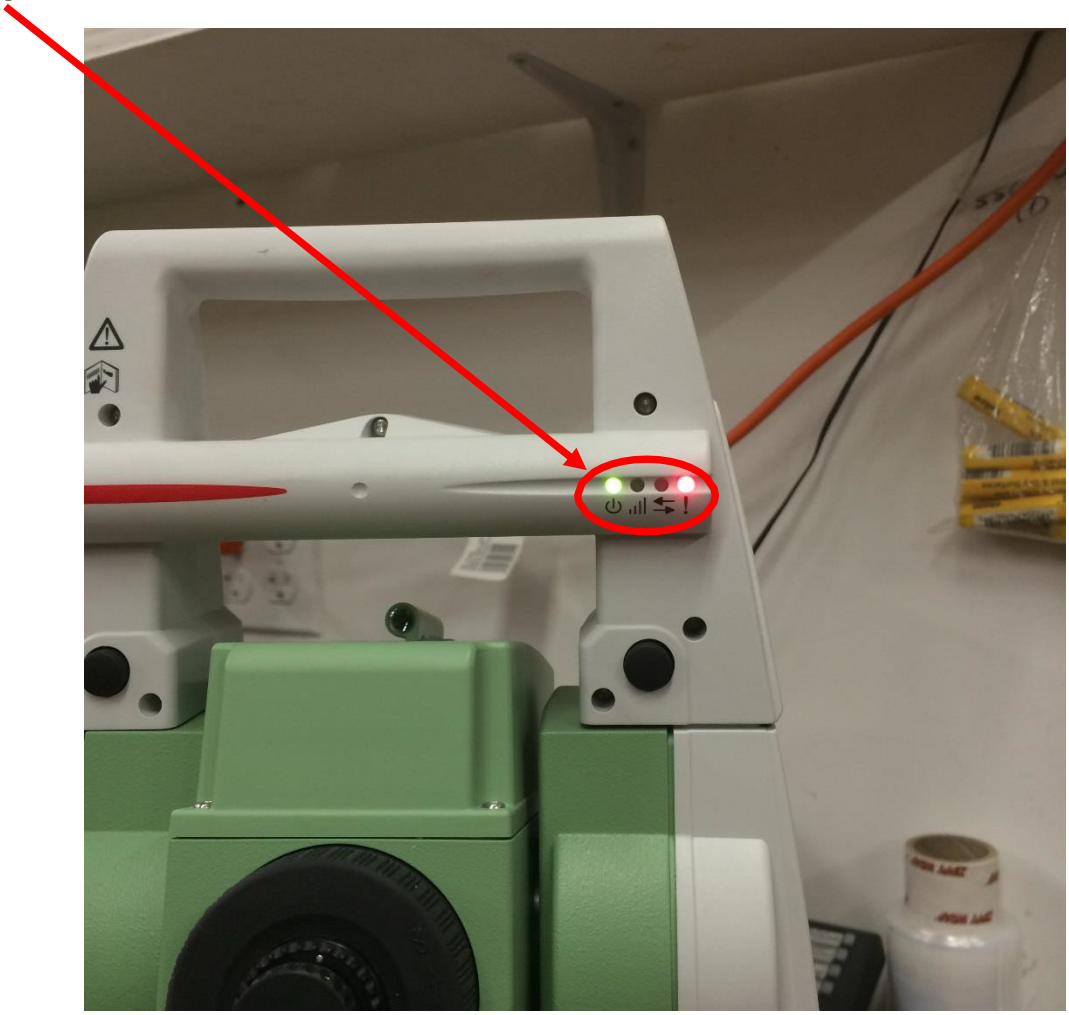
Change the Use Interface option to **YES**, then tap **DEVCE** (F5). On the Devices menu, select PAGE (F6) to go to the Radios Page. Select **RH16** from the list and tap **EDIT** (F3).



Change the Baud Rate to **115200**, and tap **STORE** (F1). Tap **CONT** (F1) twice to return to the main menu.



The power light on the handle should be on, and the alert indicator will flash.

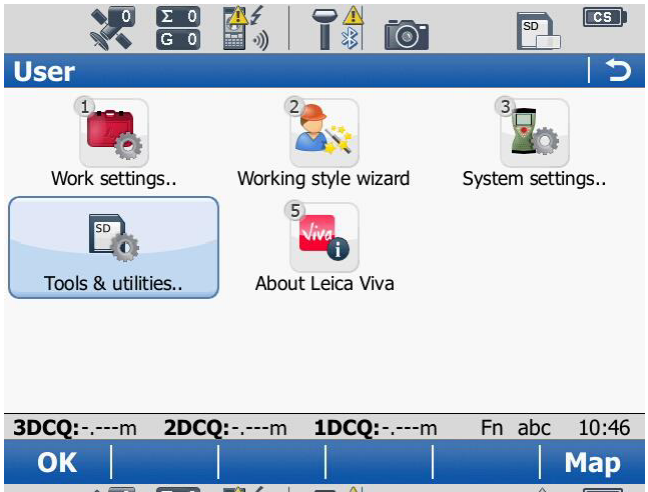


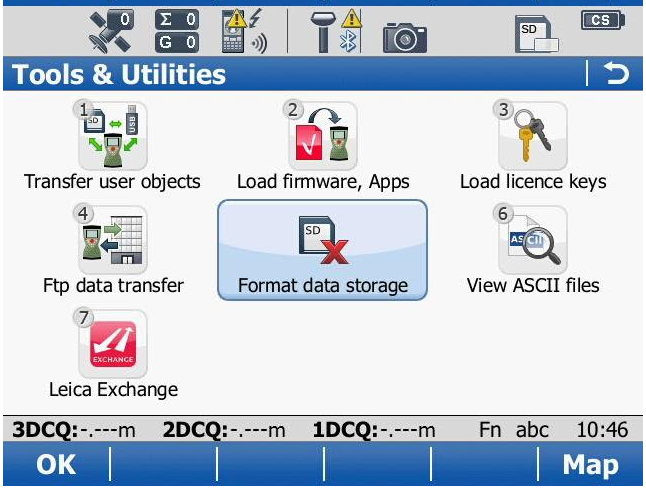
Controller Setup

First, format the System RAM and Internal memory of the CS Controller to remove any old jobs, configuration files and residual data.

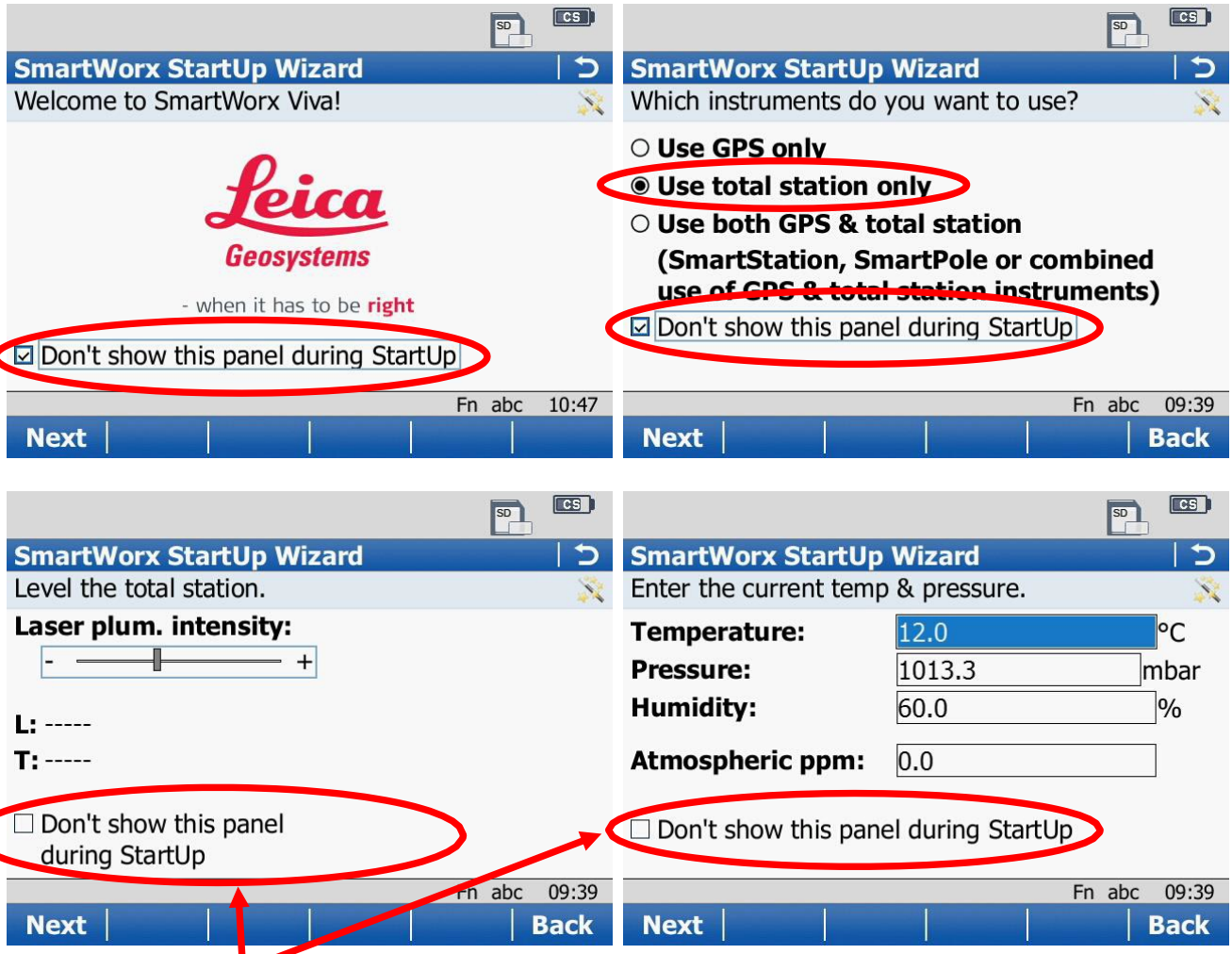
From the main menu of Smartworx, select USER -> Tools & Utilities -> Format Data Storage.
Set Memory Device to **System**, and tap OK to format the System RAM. Once the format is complete, restart Smartworx.

Repeat the process to format the Internal Memory
From the main menu of Smartworx, select USER -> Tools & Utilities -> Format Data Storage.
Set Memory Device to INTERNAL MEMORY, and tap OK to format the controller. Once the format is complete, restart Smartworx.





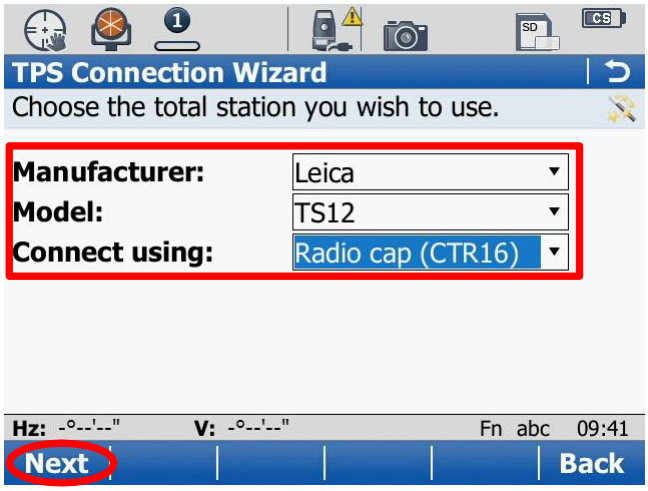
The controller will now boot up as it would when new. Check the boxes to remove the startup screens.

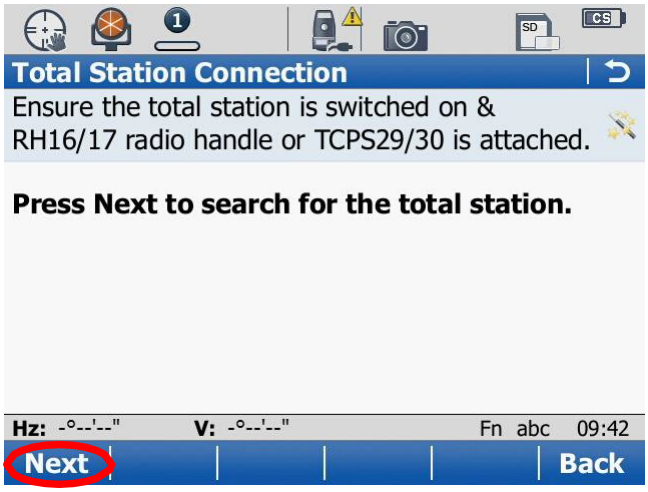


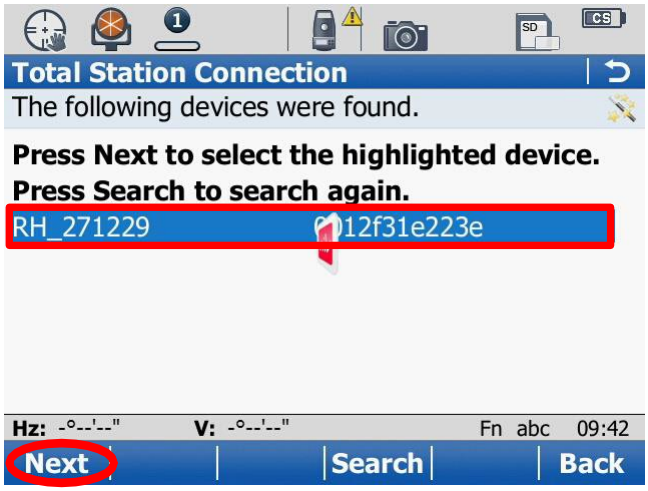
Leave these UNCHECKED!

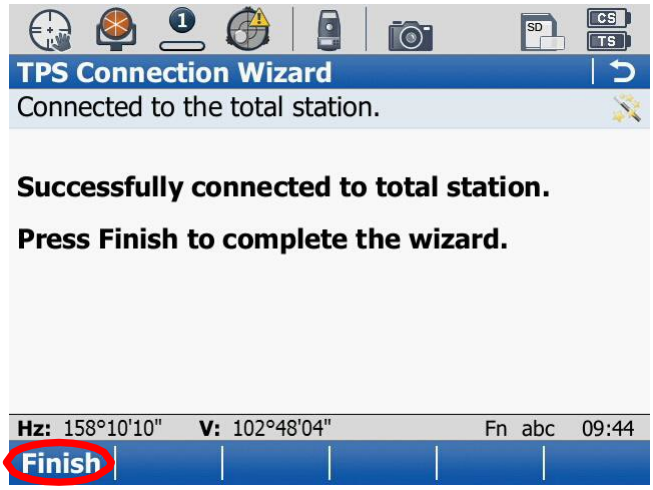
From the main menu of Smartworx, select INSTRUMENT -> CONNECTIONS -> TPS CONNECT WIZARD

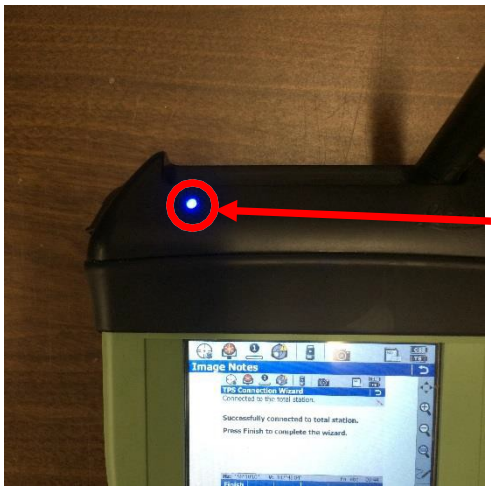
Follow the instructions on the connection wizard.

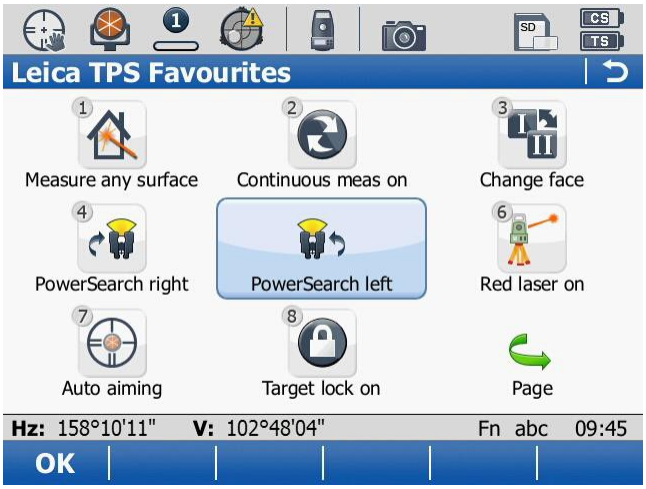
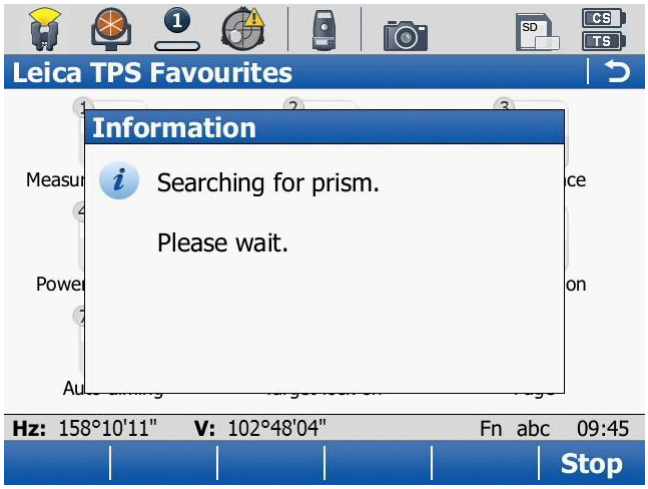










Note: The LED on the CRT16 Radio Cap should turn Blue to indicate that the cap is connected to the radio handle via LR Bluetooth.

Test the communication between the controller and the instrument. On the keyboard, press the Star key
And then select POWER SEARCH. The instrument should spin around, searching for a prism. If it spins, you should be good to go.