

Quickguide for Leica Viva TS12 Robotic Total Station Support Toll Free: (855) 414-9453

Quick Setup for Leica Viva TS12 Robotic Total Station

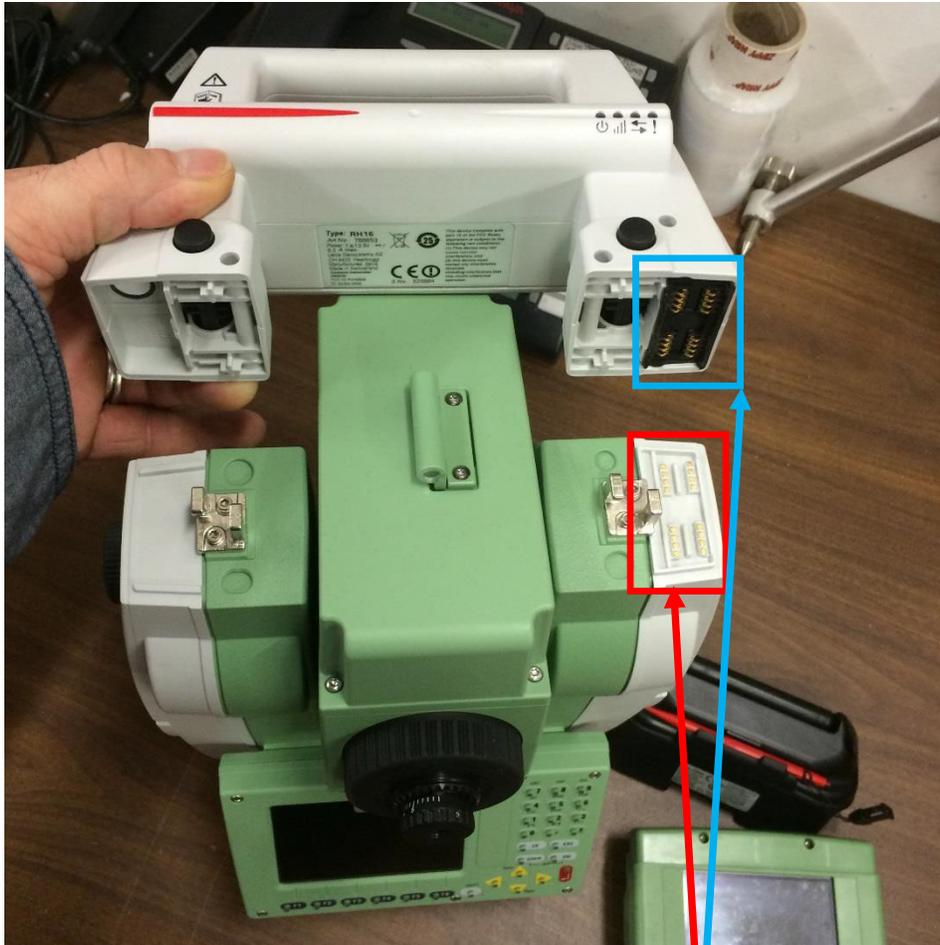
Before you begin, you will need the following items:

- 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)



Quickguide for Leica Viva TS12 Robotic Total Station
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Instrument Setup

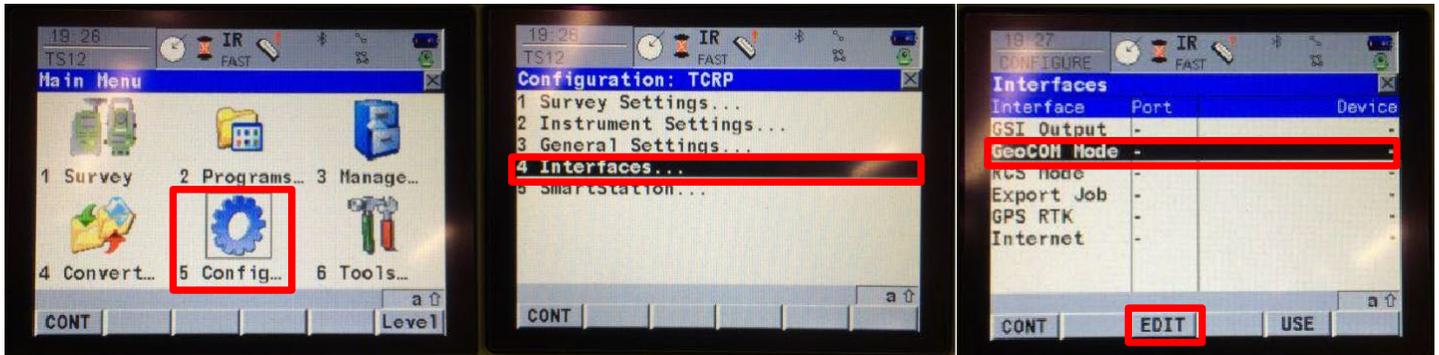


Attach RH16 Radio Handle to the TS12 Total Station. Make sure that the contacts are seated properly and that the handle fits tight.

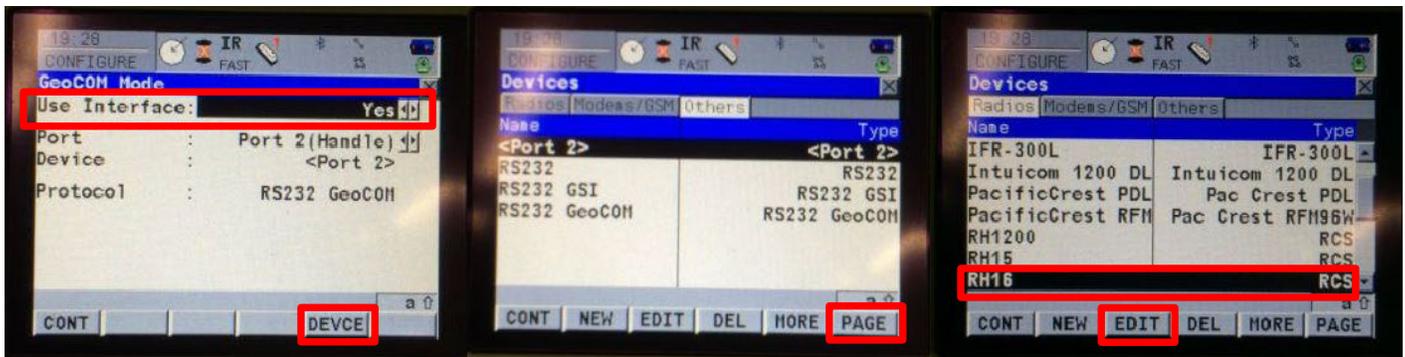
Quickguide for Leica Viva TS12 Robotic Total Station
Support Toll Free: (855) 414-9453

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

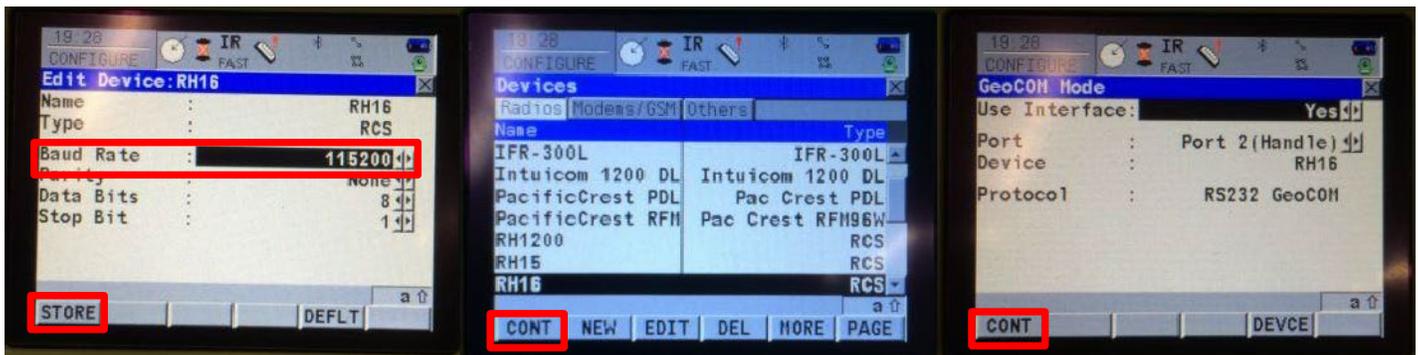
(5) **CONFIG** -> (4) **Interfaces**. Highlight **GeoCOM Mode** and tap **EDIT** (F3)



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

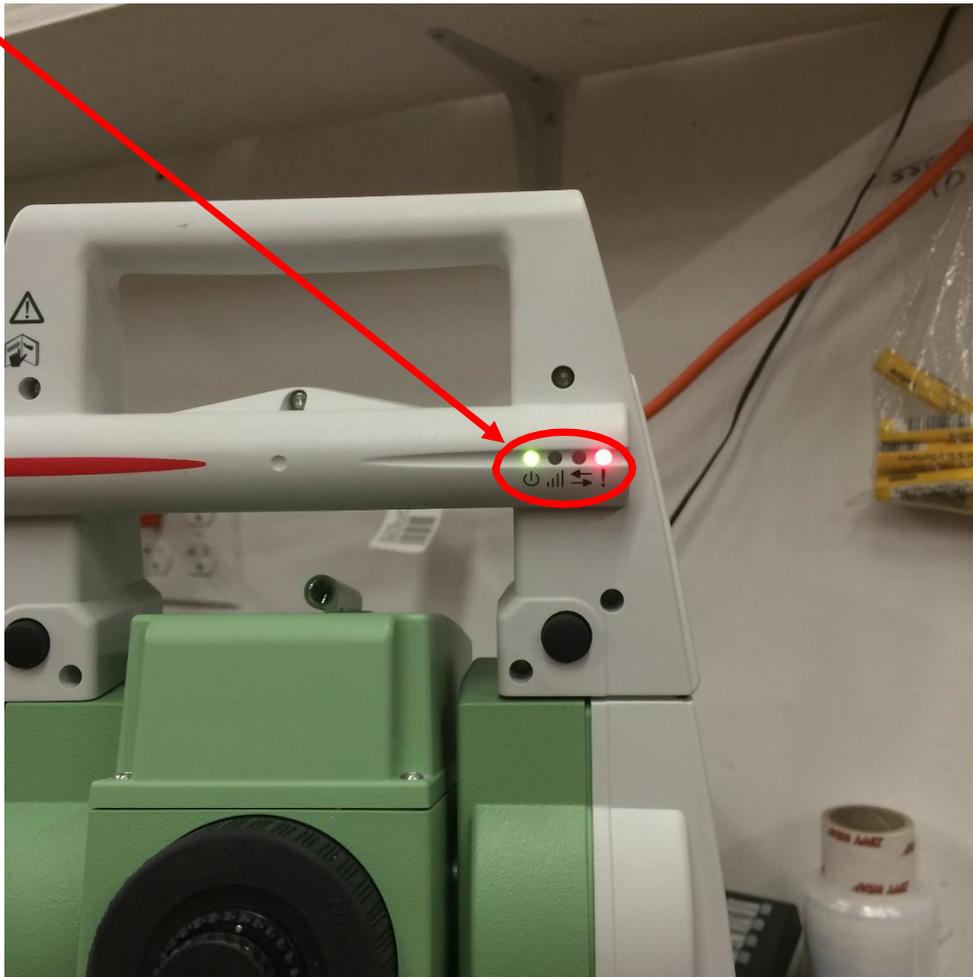


Change the Baud Rate to **115200**, and tap **STORE** (F1). Tap **CONT** (F1) twice to return to the main menu.



Quickguide for Leica Viva TS12 Robotic Total Station
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The power light on the handle should be on, and the alert indicator will flash.



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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.



The screenshots show the following steps:

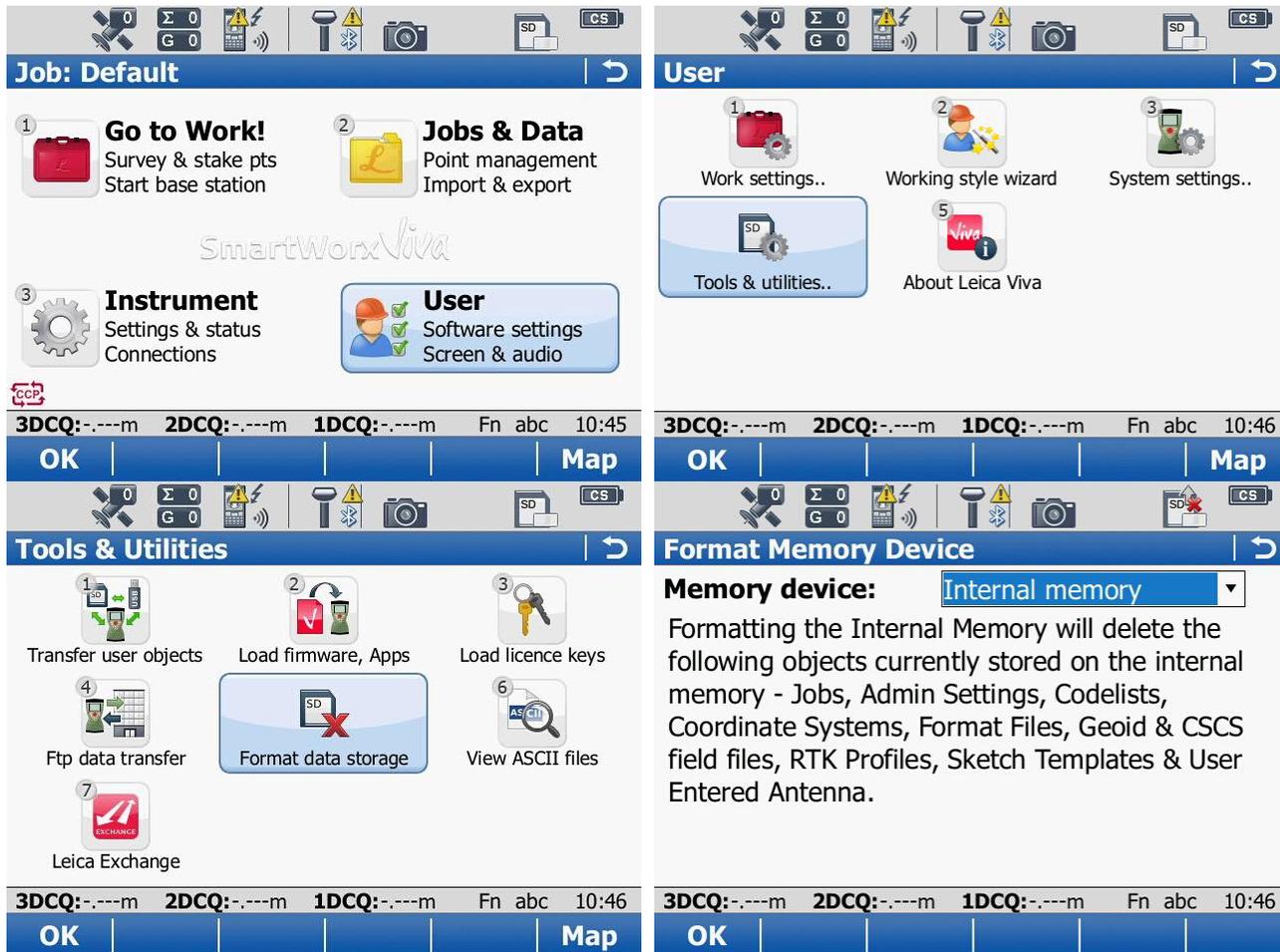
- Job: Default** screen. The 'User' button is highlighted with a '3' in a red circle.
- User** screen. The 'Tools & utilities..' button is highlighted with a '4' in a red circle.
- Tools & Utilities** screen. The 'Format data storage' button is highlighted with a '5' in a red circle.
- Format Memory Device** screen. The 'Memory device:' dropdown menu is set to 'System'.
- Format Memory Device** screen. A confirmation message is displayed: "Formatting the System RAM will delete the following objects - Working Styles, Stations to Dial lists & Server lists."

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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 screenshots show the following steps:

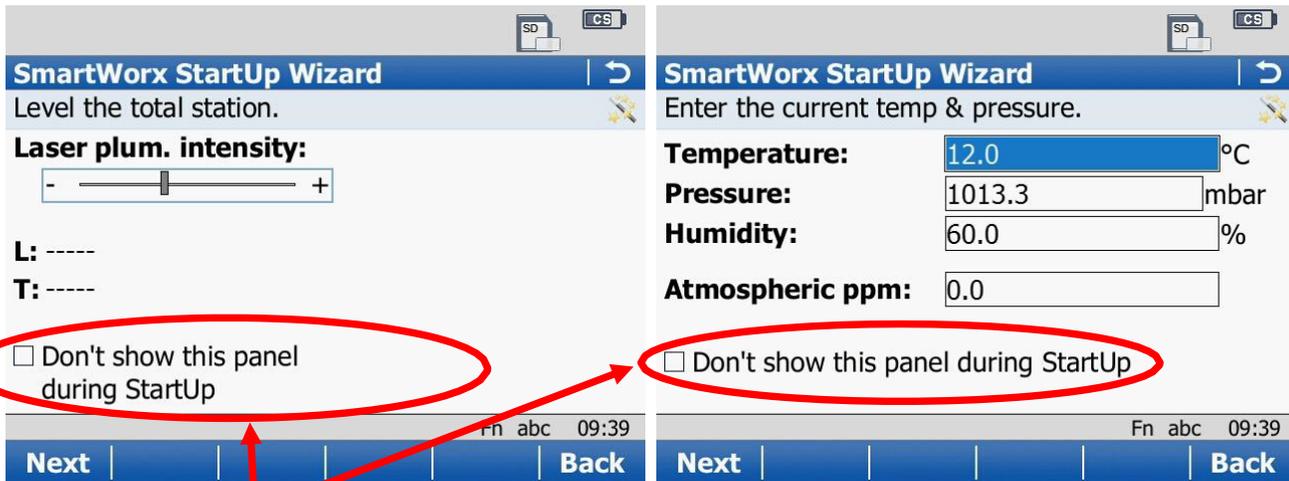
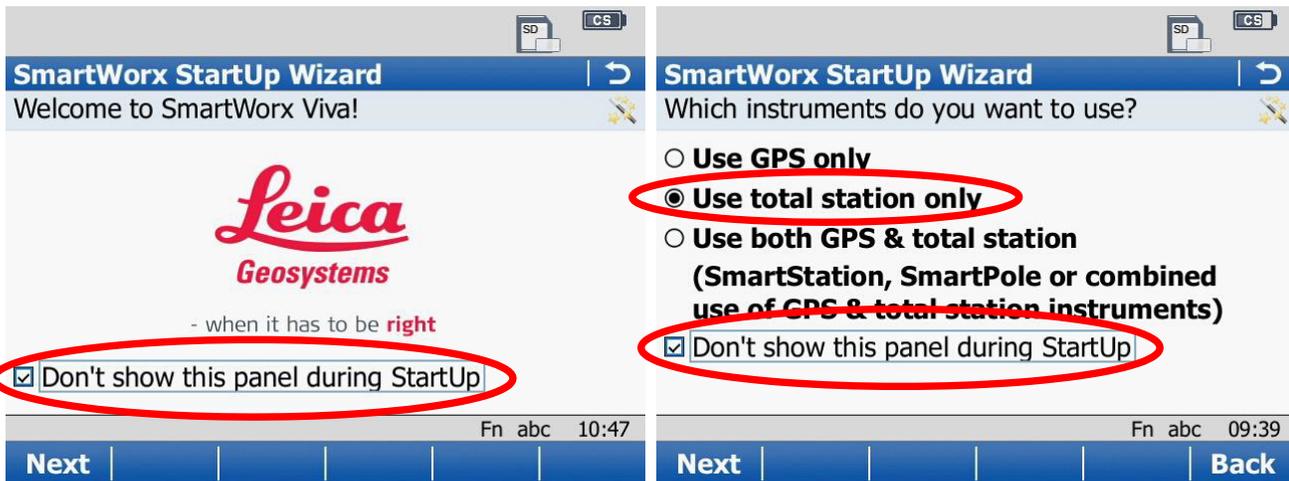
- Job: Default** screen. The 'User' icon (bottom right) is selected.
- User** screen. The 'Tools & utilities..' icon (bottom left) is selected.
- Tools & Utilities** screen. The 'Format data storage' icon (center) is selected.
- Format Memory Device** screen. The 'Memory device' dropdown menu is set to 'Internal memory'.

Additional text from the screenshots:

- Format Memory Device** screen: **Memory device:** Internal memory
- Format Memory Device** screen: Formatting the Internal Memory will delete the following objects currently stored on the internal memory - Jobs, Admin Settings, Codelists, Coordinate Systems, Format Files, Geoid & CSCS field files, RTK Profiles, Sketch Templates & User Entered Antenna.

Quickguide for Leica Viva TS12 Robotic Total Station
Support Toll Free: (855) 414-9453

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



Leave these **UNCHECKED!**

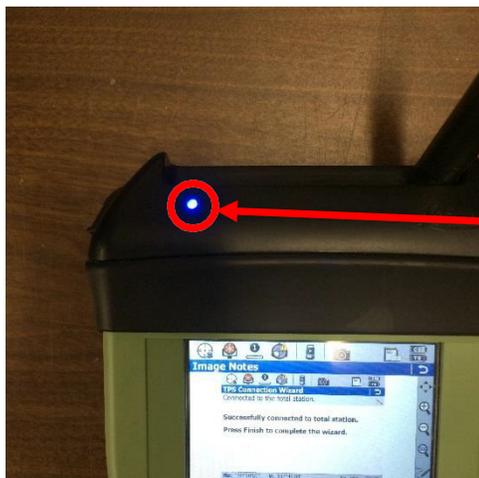
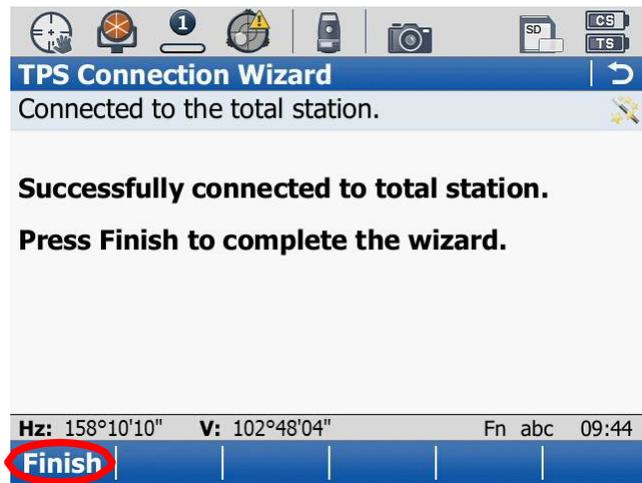
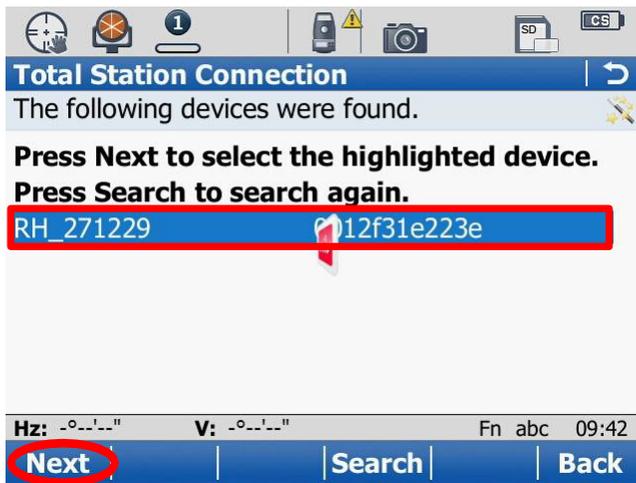
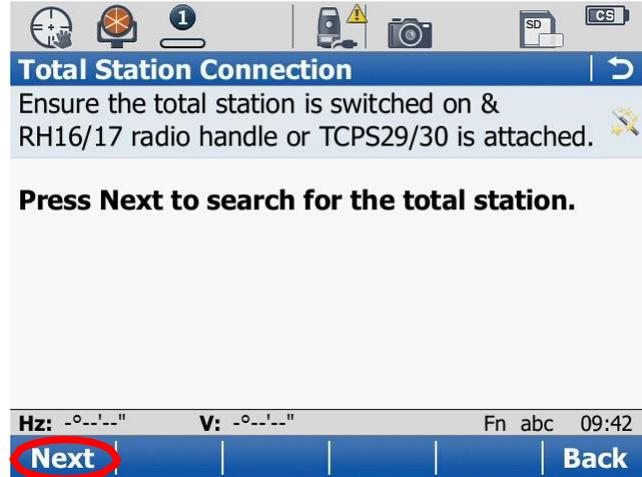
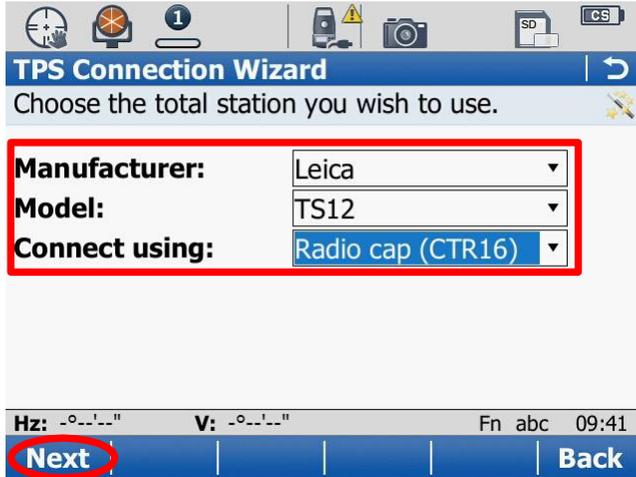
Quickguide for Leica Viva TS12 Robotic Total Station Support Toll Free: (855) 414-9453

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



Quickguide for Leica Viva TS12 Robotic Total Station
Support Toll Free: (855) 414-9453

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.

Quickguide for Leica Viva TS12 Robotic Total Station
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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.



The image displays two screenshots of the Leica TPS Favourites menu. The left screenshot shows the 'PowerSearch left' option highlighted. The right screenshot shows an 'Information' dialog box with the text 'Searching for prism. Please wait.' The status bar at the bottom of both screenshots shows 'Hz: 158°10'11" V: 102°48'04" Fn abc 09:45'. The left screenshot has an 'OK' button, and the right screenshot has a 'Stop' button.