



May 25<sup>th</sup> , 2017

## Spectra Precision FOCUS 35 robotic total station Bluetooth connection to Survey Pro on Windows 10 Professional tablet

### Summary:

This support note outlines the workflow which should be followed to connect FOCUS 35 robotic total station to the Survey Pro installed on a tablet based on Windows 10 using Bluetooth.

This is a general description of the procedure and may vary depending on the Bluetooth drivers installed on the specific 3<sup>rd</sup> party tablets.

### Issue(s) Addressed: FOCUS 35 to Windows 10 based tablet Bluetooth connection

#### Preparations

Install Spectra Precision Survey Pro field software tablet version on Windows 10 Professional based tablet.

Make sure that the BT Link software is installed on the FOCUS 35 unit.

BT Link shortcut should be available from the Desktop of the Windows CE operating system of the FOCUS 35. If this software is not available on the unit, install Survey Pro (demo version is fine). BT Link software will be installed together with Survey Pro onboard software.

Survey Pro onboard and tablet version software can be downloaded from official Spectra Precision website: [www.spectraprecision.com](http://www.spectraprecision.com) under Software > Survey Pro section or by using the following link: <http://www.trimble.com/globalTRLTAB.asp?nav=Collection-67417>

#### Scenarios Described

Opening the Bluetooth connection on the FOCUS 35.

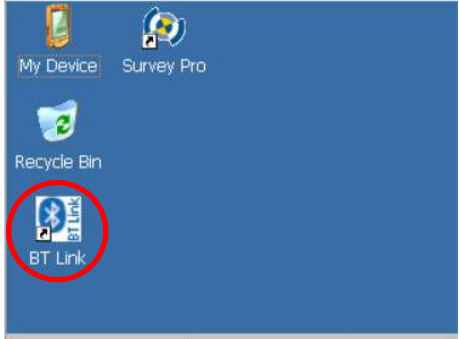


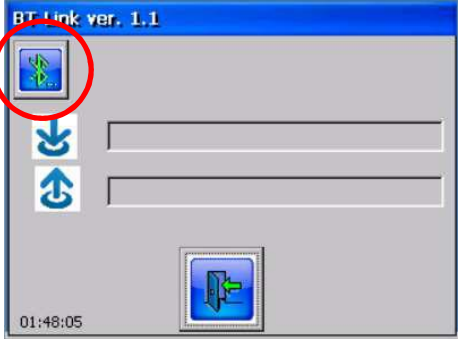

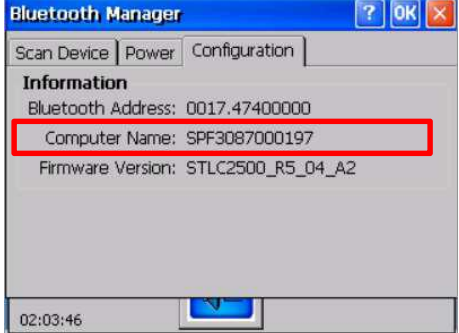
Establishing the connection with Windows 10 tablet using Survey Pro.

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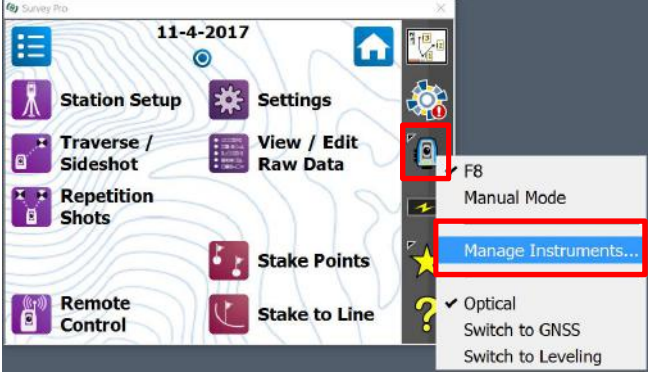
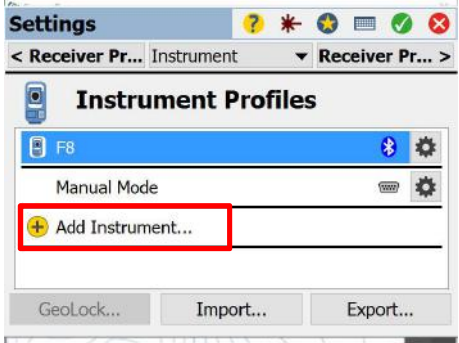
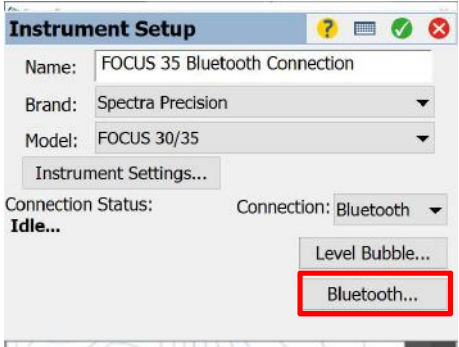
**Spectra Precision, 10368 Westmoor Drive, Westminster, CO 80021, USA  
Spectra Precision, Rue Thomas Edison, ZAC de la Fleuriaye – BP 60433, 44474 Carquefou (Nantes), FRANCE**

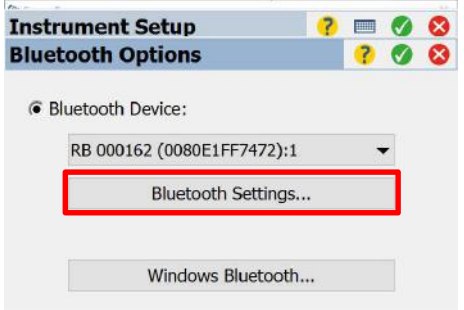
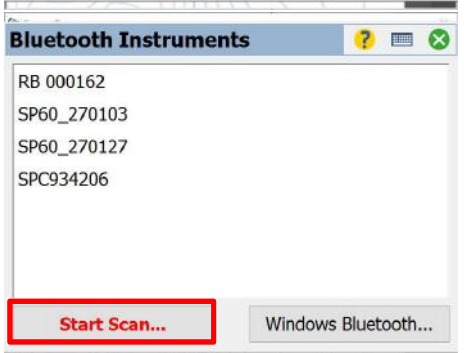

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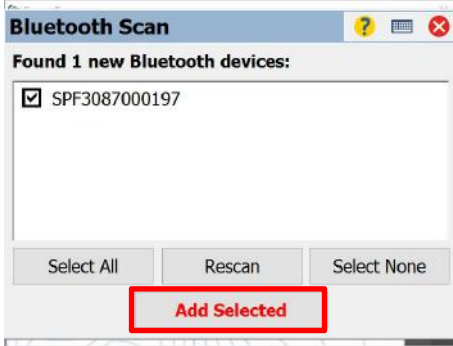

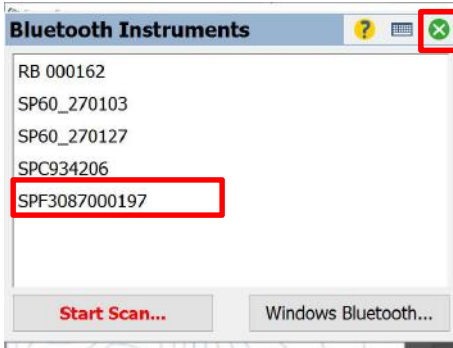
## Opening FOCUS 35 Bluetooth connection

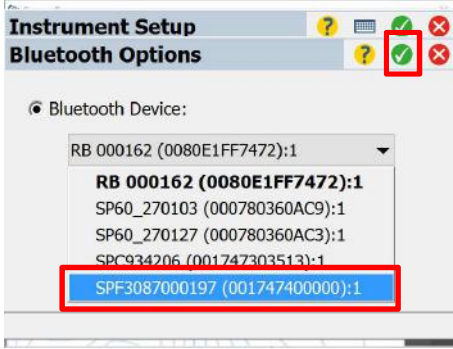
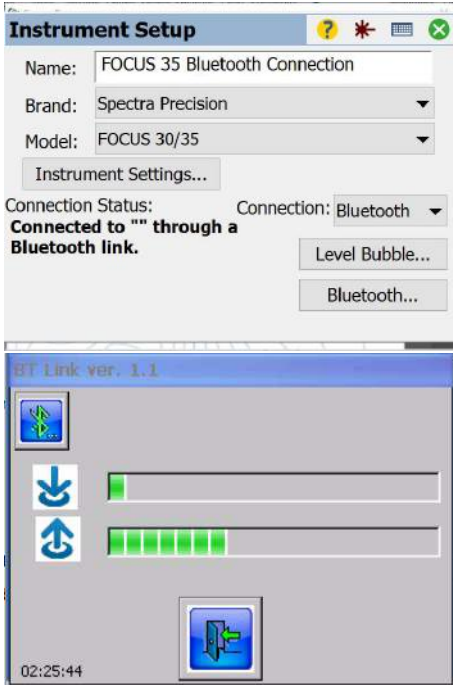
1	Start BT Link software.	
2	<p>  - A Green Bluetooth symbol indicates that Bluetooth is activated and the instrument is discoverable.         </p> <p>  - A Red Bluetooth symbol indicates that Bluetooth is not activated on the FOCUS 35 or the instrument is not discoverable. If this is the case, press this button and on the <b>Power</b> tab activate <b>Enable Bluetooth</b> and <b>Discoverable</b>.         </p> <p><i>Notice: <b>Enable Bluetooth</b> and <b>Discoverable</b> should be activate by default.</i></p>	 
3	<p>On the <b>Configuration</b> tab, <b>Computer Name</b> is displayed. It is the Bluetooth name of the FOCUS 35 which will be discovered by the tablet. Last 8 digits of this name indicate the SN of the unit.</p>	

## Adding FOCUS 35 to Survey Pro with Bluetooth on the tablet

<p>1</p>	<p>Start Survey Pro on the tablet and go to <b>Total Station Mode &gt; Manage Instruments...</b></p>	
<p>2</p>	<p>Select <b>Add Instrument...</b> to add new instrument profile.</p>	
<p>3</p>	<p>Provide a unique name for the total station that is about to be added.          Brand: select Spectra Precision          Model: select FOCUS 30/35          Connection: Bluetooth</p> <p>Press the <b>Bluetooth...</b> button after setting up the above parameters.</p>	

<p>4</p> <p>If this is the first time this particular FOCUS 35 is being connected to this tablet, press the <b>Bluetooth Settings...</b> button and then <b>Start Scan...</b></p> <p><i>Notice: If this FOCUS 35 has been already connected to the system before, it will be visible on the Bluetooth list of the connected devices under <b>Bluetooth device</b> drop-down menu.</i></p>	 
<p>5</p> <p>The System will search for any new Bluetooth devices.</p>	

6	<p>Select the Bluetooth device which will correspond to the serial number of the FOCUS 35 or the Computer Name displayed on the Configuration tab on the FOCUS 35 BT Link software and press <b>Add Selected</b></p>	
7	<p>A window with the possibility to change the name of the device will be displayed. However, changing the name is not allowed with FOCUS 35</p> <p>Do not change the given name and press the green tick button to accept the default.</p> <p><b>Set Bluetooth PIN</b> should be deselected as default.</p>	
8	<p>The FOCUS 35 unit is now visible on the <b>Bluetooth Instruments</b> list. Press the green X accept and close button.</p>	

<p>9</p>	<p>Select <b>SPF30xxxxxxx (FOCUS 35)</b> from the <b>Bluetooth Device</b> drop-down menu and press the accept button to close this window.</p>	
<p>10</p>	<p>When the Bluetooth link is established:</p> <ul style="list-style-type: none"> <li>- Survey Pro will display the Level Bubble screen. Close the Level Bubble screen. On the <b>Instrument Setup</b> screen, the Connection Status: Connected to "" through a Bluetooth link will be displayed.</li> <li>- FOCUS 35 unit will display "Connected" on its's second face monochromatic display</li> <li>- BT Link software for both "Data In" and "Data Out" filed will display data flow.</li> </ul> <p><i>Notice: If the <b>Connected to "" through a Bluetooth link</b> is not displayed, press the green accept and close button on the <b>Instrument Setup</b> screen and the Bluetooth connection should be established just after.</i></p>	

11 New added FOCUS 35 will be visible in the **Instrument Profile** manager and its connection type will be indicated by the Bluetooth icon.

