Inspire Instrument Quick Start

FARO Laser Trackers

v.1.1.29.0 or higher

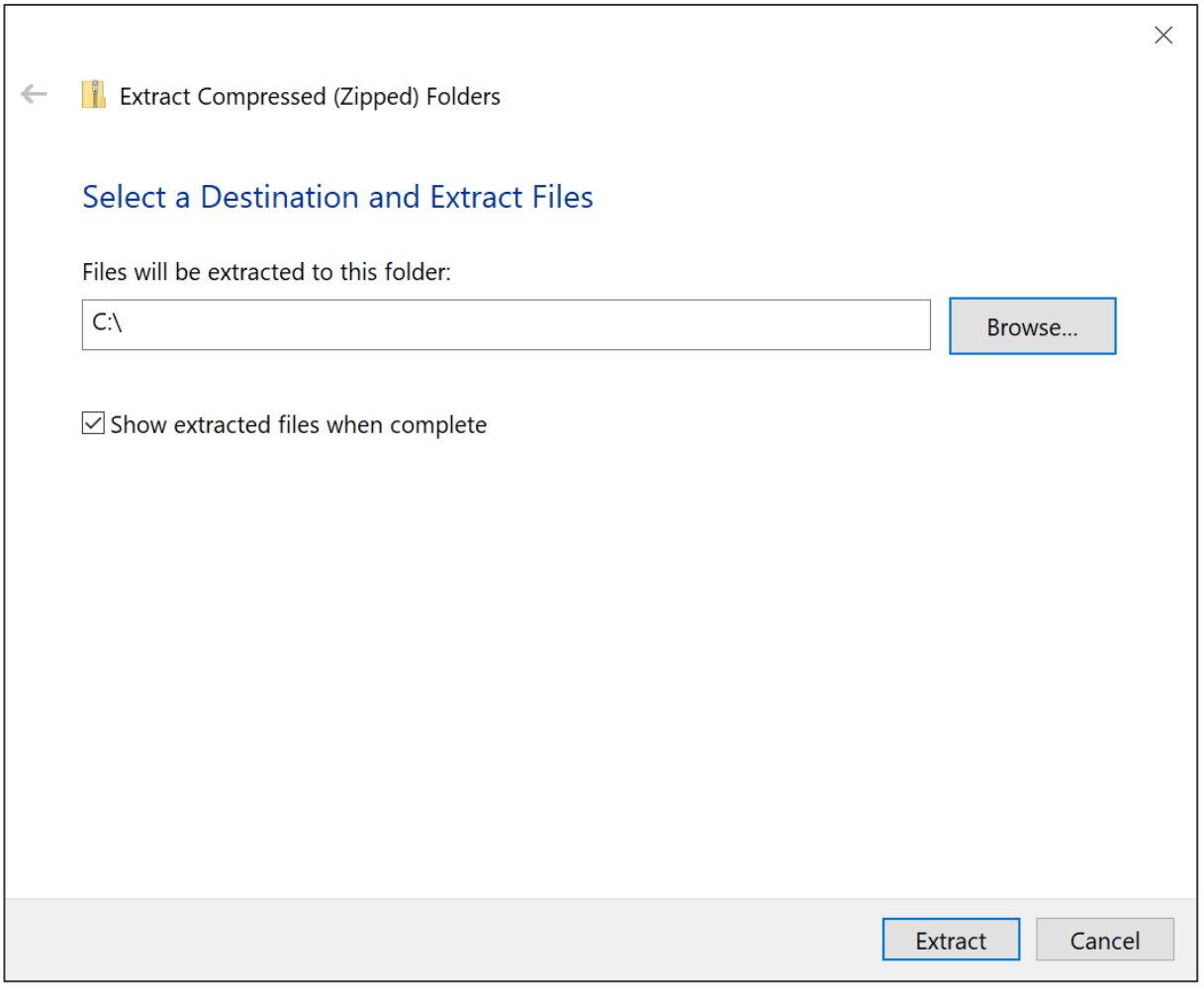
Contents

Initial Configuration and Network Connection

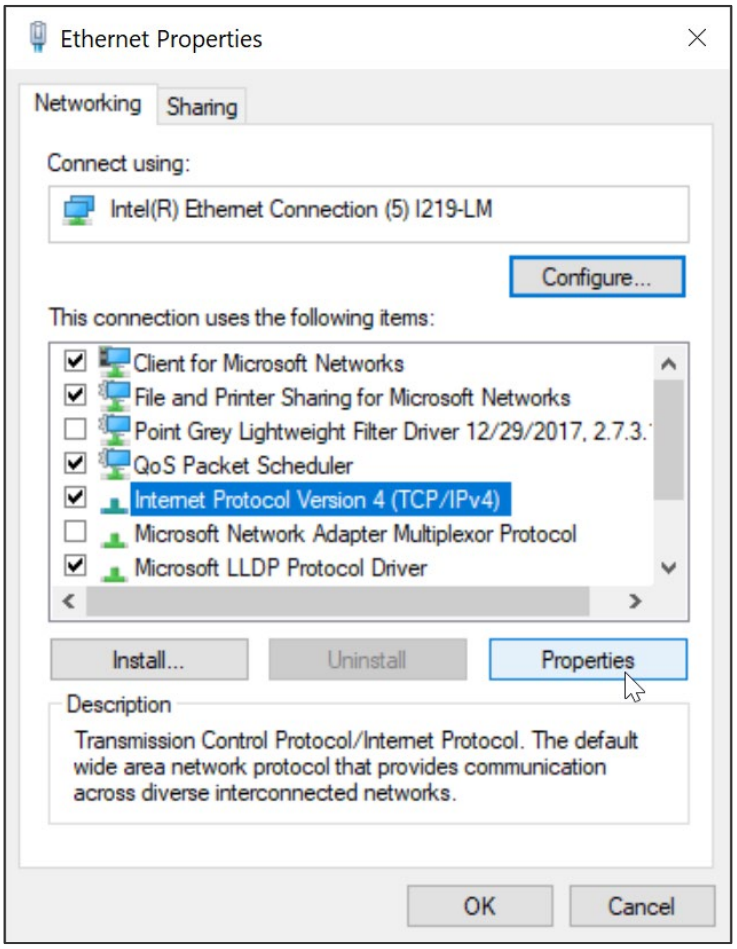
Expected time to configure: 30 minutes to 1 hour.

1. Please navigate to Software Download of FARO Utilities for the Laser Tracker - FARO® Knowledge Base and the Inspire Download Site to download the latest FARO Utilities for the Laser Tracker and the FARO JRE 64-bit files needed for the initial configuration. For this quick start guide, we will be using the FaroJRE64bit_5.1.9.4_ExtractToCroot.zip and the FARO Tracker Utilities 4.1.8.zip for the latest FARO Vantage S6 with the 6Probe Auto Detection probe tips but there are different versions available.

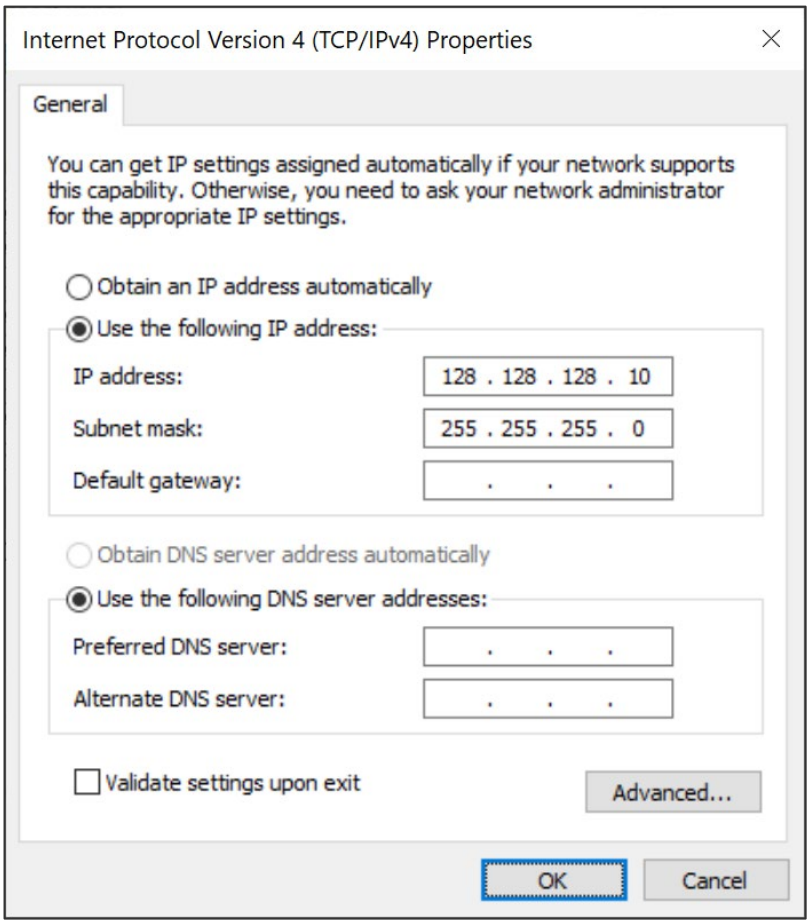
2. First, right-click on the FaroJRE64bit_5.1.9.4_ExtractToCroot.zip and extract it to the root of your **C:** drive on your computer as shown below. If you have a folder with the files already, please delete them before proceeding. After the folder is created, the naming convention should be **FaroJRE64bit**.



3. In the Windows search bar, type **Ethernet Settings** and then select **Change Adaptor Options**, right click on your **Ethernet Connection,** and choose properties. Inside this dialog, select Internet Protocol Version 4 (TCP/IPv4) and select properties as shown below:



4. Inside the properties, use the following IP Address to 128.128.128.10 (10-99) and the subnet mask to 255.255.255.0 as shown below and press **OK** to accept the configuration. If you changed the IP address of your FARO tracker, please enter in the value here from the utilities.

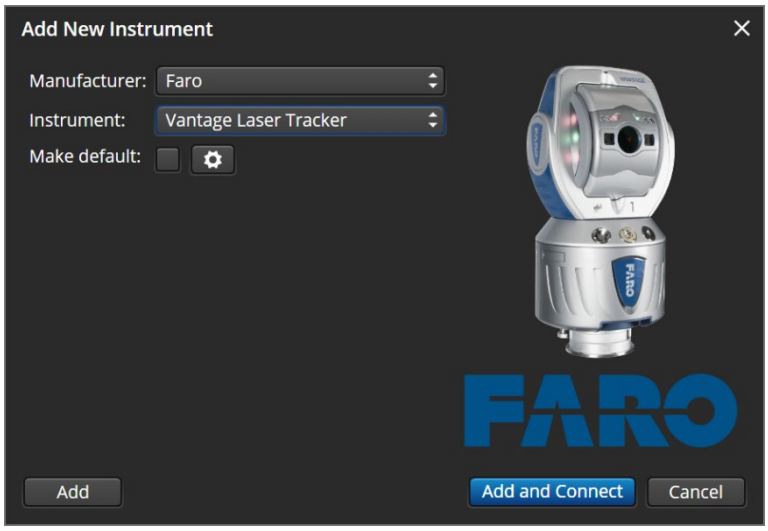


5. If you are using a wireless connection the default network is 169.524.4.115 and can be configured in the Wireless settings in the same manner described above.

Common Workflows

Laser Tracker Configurations

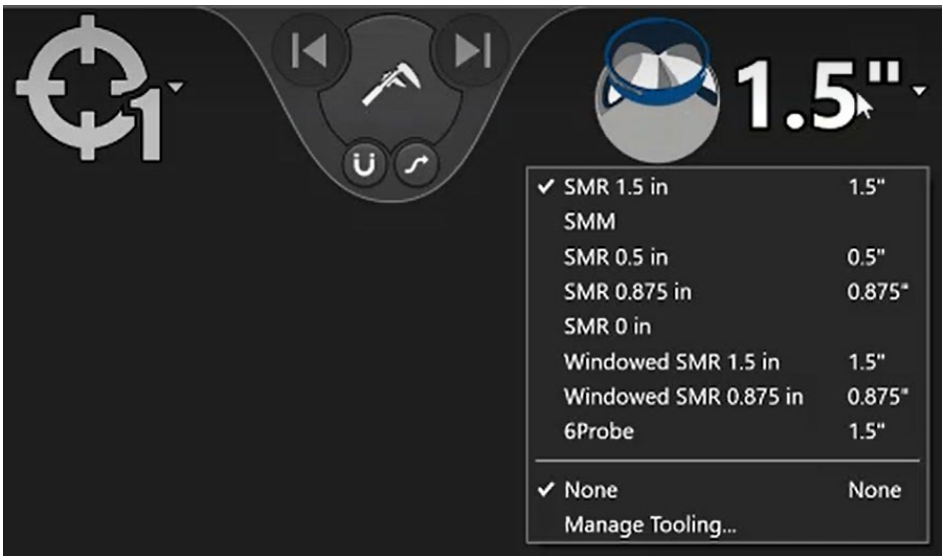
1. Open **Inspire** > Instrument Tab > Add New Instrument and then select your desired instrument below:

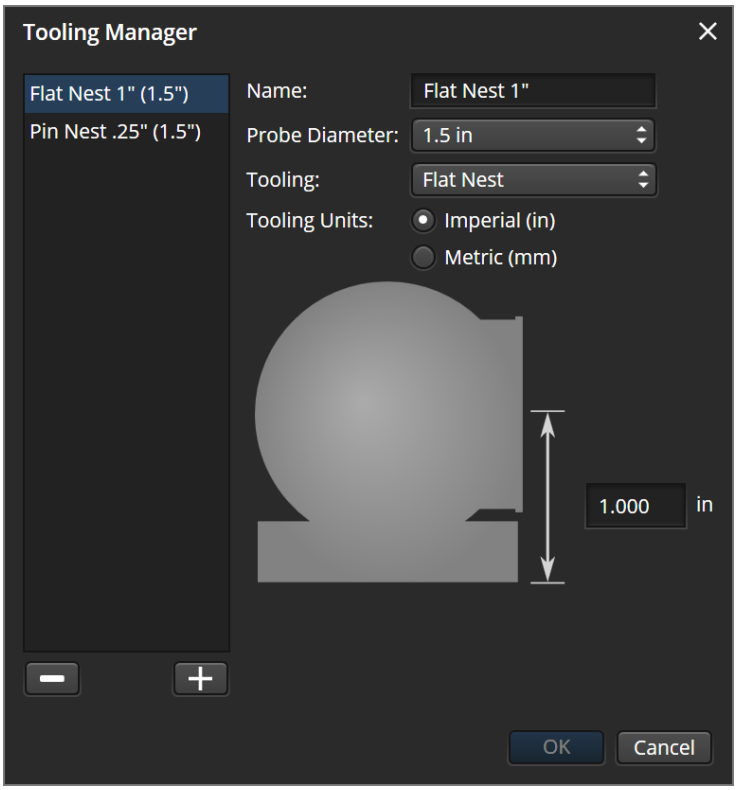


2. Next click on the  to verify your IP address is correct. If you have a  this means you have entered in the wrong IP address and if you have a  , that means we have successfully pinged the Laser Tracker as shown below:

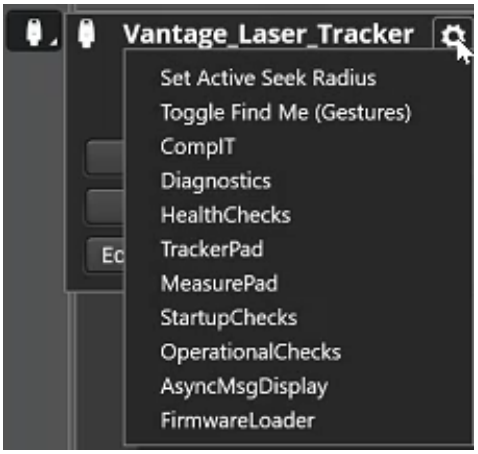
3. Now press **OK** to accept the configuration and then select **Add and Connect**.

4. Once you are connected, you will see a Measurement HUD appear in the main graphical view and if you click on the **SMR**, you can access additional tooling:





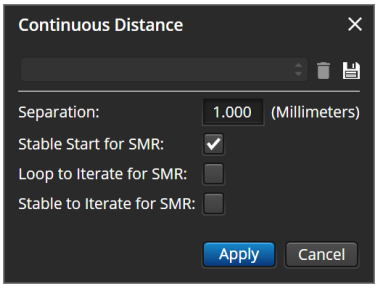
5. On the left-hand side, you can access the instrument settings such as measuring level, performing operational checks, or accessing the TrackerPad:



Acquisition Modes and Tooling

Spherically Mounted Retroflector (SMR)

- This probe/tooling can only be used in **Stationary**, **Stable Points**, or **Continuous Time/Distance** acquisition mode. Please click on the  to access additional options and save formats.



NOTE:
If you are using an **External Trigger**, it involves a special input port on the controller, a tiny LEMO connector. Then you can connect something as simple as a button, or as involved as an external clock source to trigger measurements.

6Probe Configuration

1. You must have **Inspire v.2021.0.157.0 or higher** to run the 6Probe 2.0 with Auto Detected probe tips.

2. After your connected, you can switch over to the 6Probe by selecting it from the probes/tooling menu or placing it in front of the laser and following the prompts on the screen. If you see -1000mm as the probe size, this means you must compensate your 6Probe before you can acquire data and the procedure can be found in the Index and Resources Section.

3. Once the compensation is complete, it will update the size of the probe and you can now begin measuring.

Index and Resources

1. Tracker - FARO® Knowledge Base
2. Cleaning and Care for the 6Probe - FARO® Knowledge Base
3. Probe Compensation for the 6Probe - FARO® Knowledge Base
4. Probe Check Routine for the 6Probe - FARO® Knowledge Base
5. Missing FARO JRE Files (Inspire Download Site)