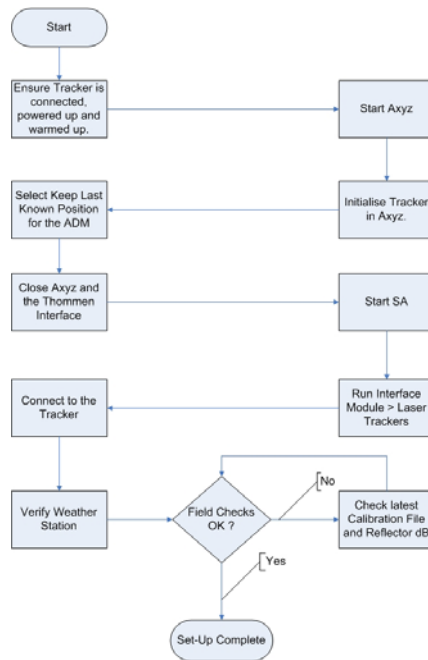


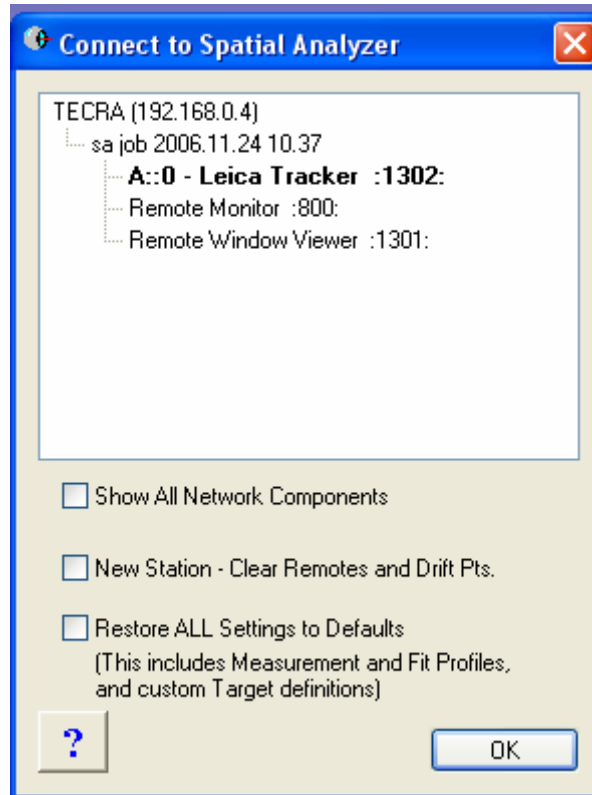
Use Spatial Analyzer with Leica TP-Link Trackers

TS101 – 2 Initialise in Axyz

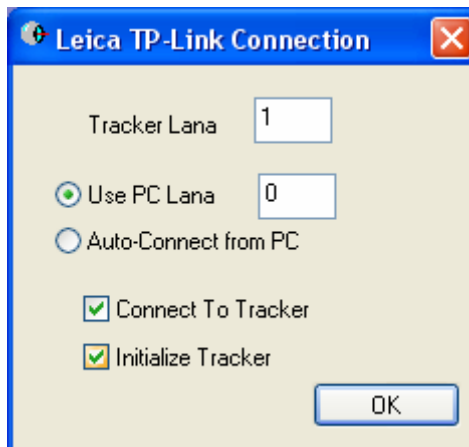


Initializing the tracker from SA

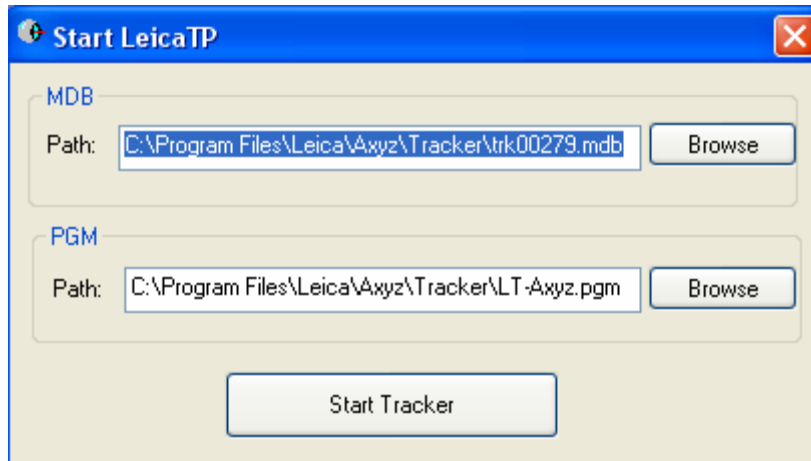
- Connect the Tracker, power up and allow to warm-up.
- Start SA
- Select “Instrument > Add > Leica Tracker” and Add instrument to the job.
- Do Not Select Leica emSys Tracker
- Select “Instrument > Run Interface Module > Laser Trackers” and highlight the Tracker you want to connect to – in bold.



- Press OK
- On the next window Check the “Initialise Tracker and Connect to Tracker” boxes and press OK.



- Browse to the Correct Laser Tracker Calibration file (mdb file) and the Leica .pgm file and then select “Start Tracker”
- Note : The latest file should be in the folder C:\ProgramFiles\Leica\Axyz\Tracker\trkXXXXX.mdb. If there are multiple .mdb files on the PC check with your Leica representative as to which is the latest file.

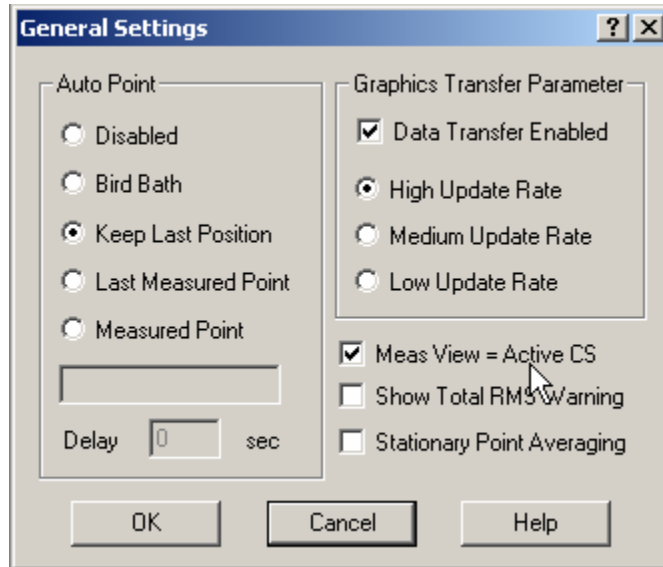


- Note - The above connection can sometimes be a little temperamental. Just reselect the .mdb and .pgm file if the connection fails. It does work - but it may take a couple of tries to connect.
- Note – Do not use version 2.86 of the Leica .pgm file. Use version 2.89 – available from the NRK web site. www.kinematics.com
- Check the Weather Station Connection as defined in Section 4.0
- You will now be connected to your Tracker in SA.

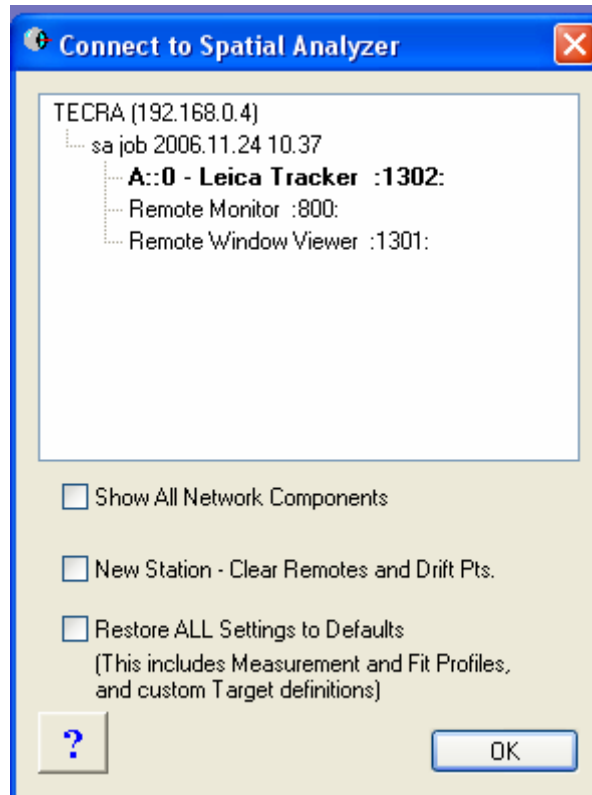
Initializing in Axyz before starting SA

Unfortunately, although SA can initialise the Tracker, ADM beam break behaviour can only be set through Axyz. Hence, if you wish to use the ADM in this manner, you will have to initialise the Tracker in Axyz first as described below.

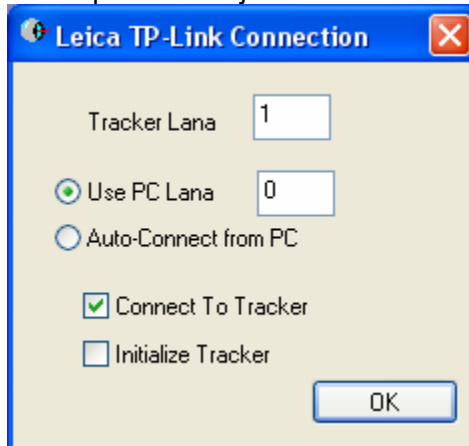
- Connect the Tracker, power up and allow to warm-up.
- Start Axyz.
- Initialise the Tracker and under “Tracker > Settings” set the beam break behaviour to “Automatically Keep Last Point”. Click onto something else and back onto “Automatically Keep Last Point” just to ensure that this is recognised in the software.



- Close Axyz
- Close the Weather Station Software interface – if this started automatically.
- Start SA
- From the menu select “Instrument > Add > Leica Tracker” to the job file – if one is not already there with the default file.
 - ***Do Not Select Leica emSys Tracker***
- Select Instrument > Run Interface Module > Laser Trackers and highlight your Tracker in the connection window - it will be in bold. Hit OK.



- Ensure that the window option is set just to “Connect To Tracker” and hit OK.

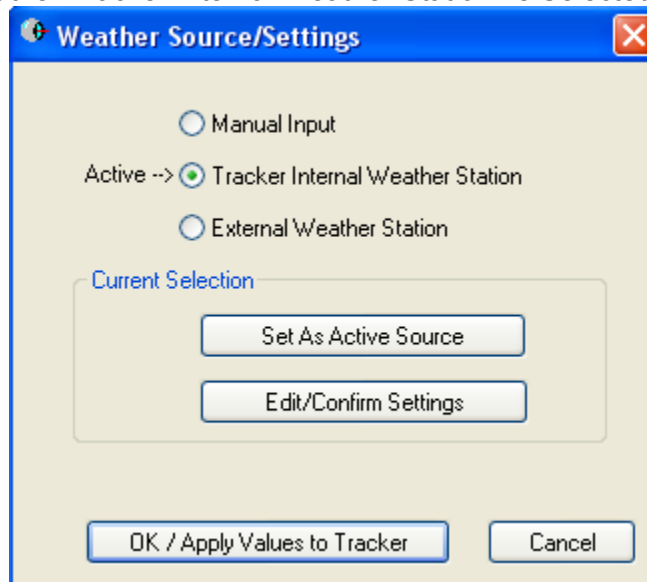


The Tracker interface will open and you will be connected to the Tracker and have correct ADM beam break behaviour.

Connection of The Weather Station

It is important to check that the Weather Station is enabled in the instrument interface when running Leica Trackers with the TP link as described below.

- Check that the Weather Station is plugged into the serial port on the PC and is switched on before starting SA.
- Select “Devices > Weather > Current Values/Deltas” and check that the Weather Station is being read.
- If the Weather Station is not displayed, Select “Devices > Weather > Set-up” and ensure that the “Tracker Internal Weather Station” is Selected

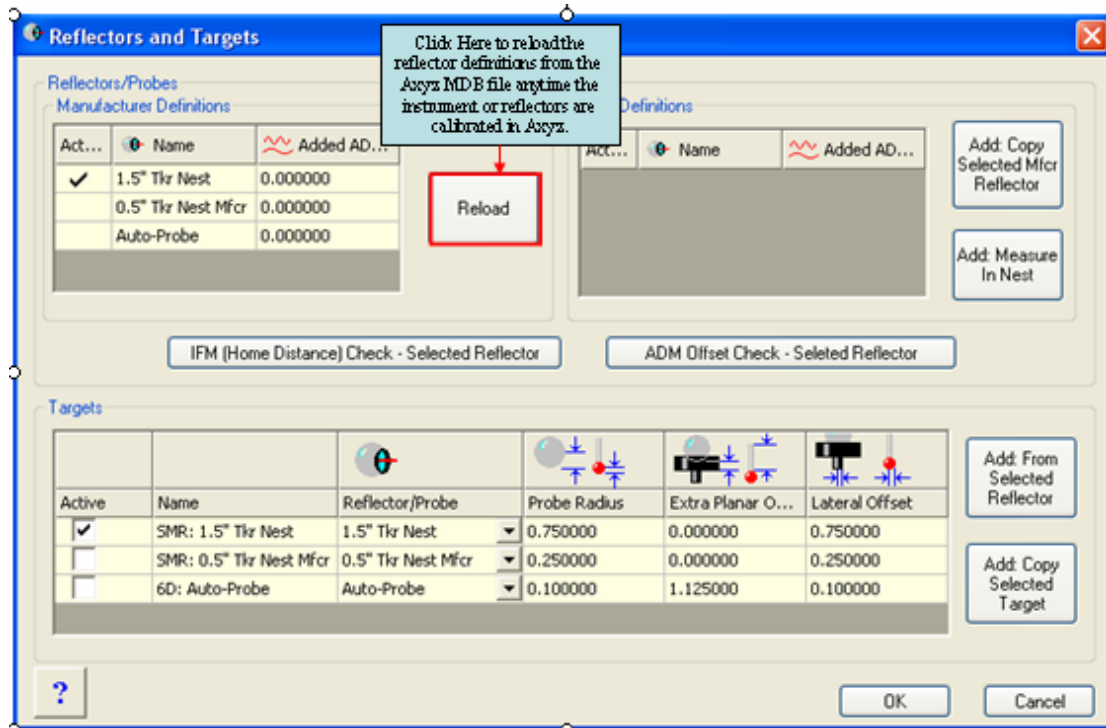


- Press “Set As Active Source” and then “OK/Apply Values to Tracker”
- Check the values again by selecting “Devices > Weather > Current Values/Deltas”

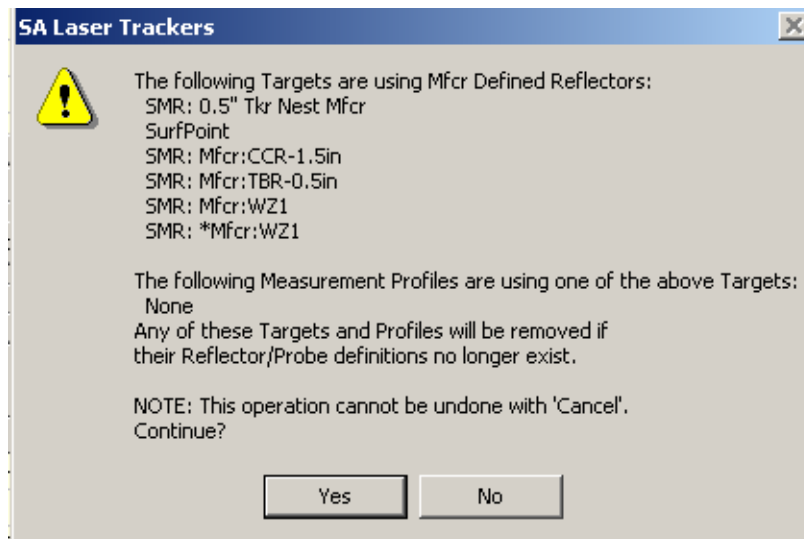
Tracker Calibration

Calibration of a TP-Link connected Tracker is performed in Axyz.

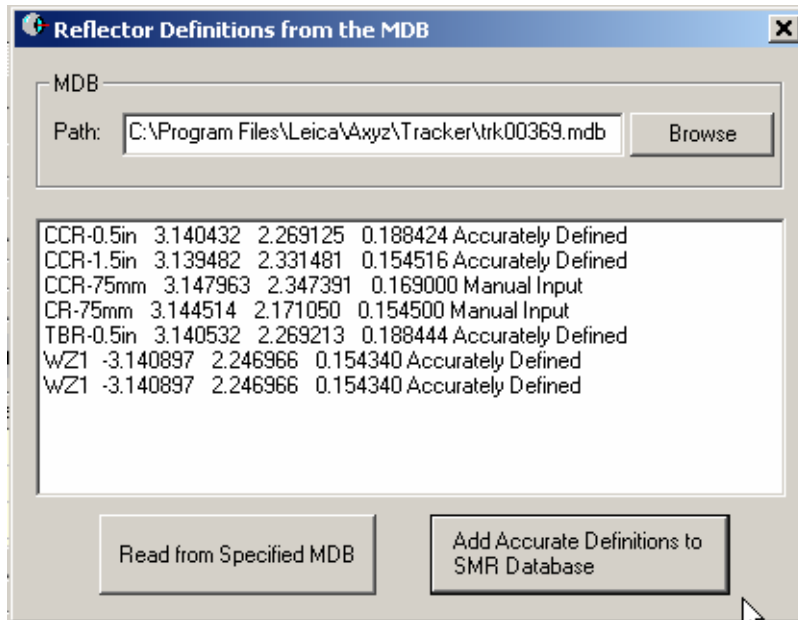
It is important that after Tracker or reflector calibration the reflector definitions are reloaded from the MDB file by selecting the option under “Targets/Retros” from the User Interface as shown below.



A window warns that this op cannot be undone – select “Yes”



Select “Read from Specified MDB” if the reflector definitions are not visible in the window and then “Add Accurate Definitions to SMR Database”



Select “Replace the Reflector in these Targets with the new one” and press “OK”

