

In an effort to alleviate long support calls, I wanted to provide a list of items to check when using SurvCE with a Leica Total Station.

1. Check the COM settings on the instrument. The instrument works markedly better if you use the following:

Baud            19,200

Char Len       8

Parity          None

Stop Bits      1

From the main menu of the instrument select the following:

Menu# Name

5      Configuration

2      Communication Settings

1      GSI Parameters

GSI is the mode that you must be in when running direct using the SurvCE Leica TPS interface. From the main menu of the instrument, select the F6 Meas key.

2. While you're there also check the COM settings of GeoCOM and set them the same. GeoCOM is the mode you must be in when running with the SurvCE Leica Robotic interface.

From the main menu select the following:

Menu# Name

5      Configuration

- 2      Communication Settings
- 3      GeoCOM Online Mode
- F3     Yes to switch to GeoCOM

3. On SurvCE, select Equip → Comm Setup and verify the same.

4. On the Allegro make sure the memory setting only has 16000 KB allocated to Storage. To set this select Start → Settings → Control Panel → System → Memory. This will improve the performance of the software and avoid a lot of lock-up problems.

5. If the settings are all correct and you cannot get the instrument to communicate or you get "Error opening port", hold down the ON button and reset the Allegro as the COM port is locked up.

These checks almost solve every call I get pertaining to communication issues with this instrument.