Leica TCR 803power

Tested with firmware version 101.522

Procedure

- 1. Turn on and Level the instrument.
- 2. On your instrument, press MENU, then press PAGE to go to page 2 of the menu, then press F3 for COMM Parameters. Make sure the following settings are set:

```
Baudrate = 19200
Databits = 8
Parity = None
Endmark = CR/LF
Stopbits = 1
```

Press F4 for OK, then press ESC to go back to the measure screen.

- 3. In FieldGenius start or open an existing project. Press the Main Menu button → Settings → Instrument Settings. On the Instrument Settings screen, select **Total Station**.
- 4. Match the following on the Model and Communication screen.

Model and Communication 😗 Help				
Total Stati	ion			
Make Leica 💌 Model TPS Series (GSI) 💌				
Connect to Instrument Default Comm Settings				
Port	COM1	Ţ	Data Bits	8 🔻
		4	Charles 1011-	
Baud Rate	19200	-	эсор ыся	
Parity	None	-		
	OK		<u>ا</u>	Cancel

5. Specify the EDM Settings and Prism Offsets you want to use on the EDM Settings screen.

EDM Settings	😲 Help		
EDM Settings	Prism Offsets (mm)		
Mode IR Standard 💌	Foresight 0.0		
Time Out(s) 10	Backsight 0.0		
🔽 Use default time	RL 0.0		
Minimum Om	Set instrument to zero		
Maximum 10000m	Reflectorless Settings		
Guide Light High	Std Dev		
🖌 ок 💢	Cancel		

6. Specify the multiset tolerances you want to use on the Tolerance Settings screen.

Measurement Tolerance	e 💡	Help	
Horizontal Angle Tolerance (sec)			
30.0			
Vertical Angle Tolerance (sec)			
30.0			
Distance Tolerance			
0.010m			
🖋 ок	X Cancel		

7. Match the following on the Search Settings screen.

Search Settings		8	Help	
Search Mode	Relative Windo	W	-	
- Search Windo	w Range			1
Horizontal	30°00'00"			
Vertical	30°00'00"		Measure	
Search Windo	w Center]
Horizontal	0°00'00"		Maaguna	
Vertical	90°00'00"		Measure	
√	ок	X	Cancel	

8. There is nothing to set on the Radio Configuration screen.

Radio Configuration 😗 Help		
Connection © Direct © Radio	C RC-2	
Settings Channel Station Address Remote Address	V V	
v 0+	×	Cancel

9. There is nothing to set on the Check Level screen. You will see this screen when you connect to the instrument.

Check Level		0	Help
🔲 Calibrate instrument.			
Cross Inclination:			
Length Inclination:			
🖋 ок	X	Cancel	

10. Switch back to the Model and Communication screen. Press the Connect to Instrument button and if you successfully connect you will see a green check mark, and the Check Level screen will appear. Have fun!