

ZEISS Elta R Series

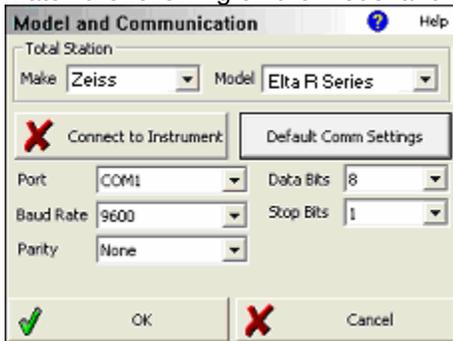
Elta R50

Procedure

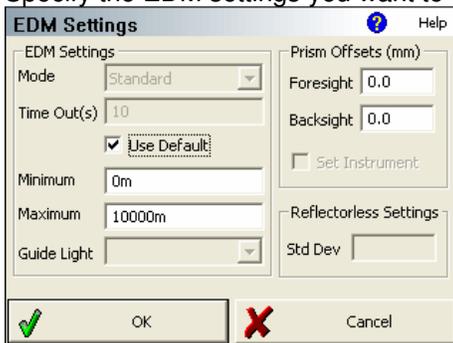
1. Turn on the instrument
2. Level the instrument
3. On your instrument press SHIFT + MENU to open the main menu
4. Press the down arrow to highlight "5 Setting Interface" then press YES
5. Verify that the communication parameters match the following:

```
0 Recording OFF
1 Format REC 500
2 Parity none
3 Baudrate 9600
4 Protocol REC 500
5 Position C 11
6 Position P 16
7 Position I 1
8 T-O REC ON NO
9 PC-Demo OFF
```

6. Press ESC to go back to the main menu
7. Press ESC to go back to the measure screen
8. In FieldGenius start or open an existing project. Press the Main Menu button → Settings → Instrument Settings. On the Instrument Settings screen, select **Total Station**.
9. Match the following on the Model and Communication screen.

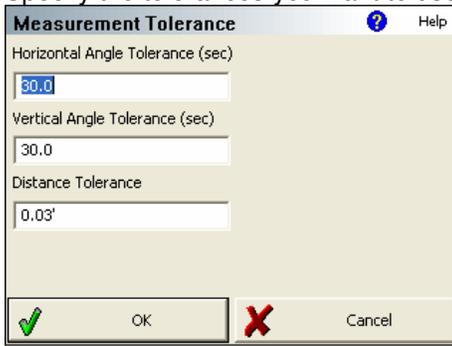


10. Specify the EDM settings you want to use on the EDM Settings screen.



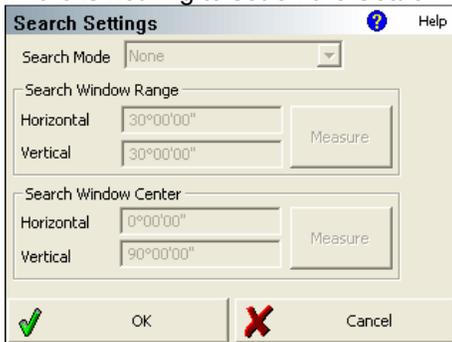
Quick Start Guide

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



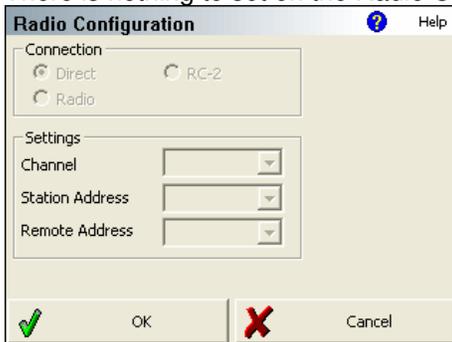
The **Measurement Tolerance** dialog box contains three input fields: **Horizontal Angle Tolerance (sec)** with the value 30.0, **Vertical Angle Tolerance (sec)** with the value 30.0, and **Distance Tolerance** with the value 0.03'. At the bottom, there are **OK** and **Cancel** buttons, each with a green checkmark icon to its left.

12. There is nothing to set on the Search Settings screen.



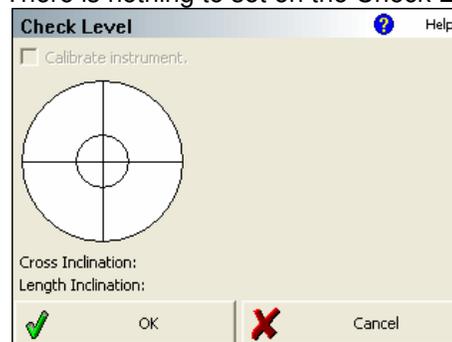
The **Search Settings** dialog box features a **Search Mode** dropdown menu set to **None**. It has two sections: **Search Window Range** and **Search Window Center**. Each section contains **Horizontal** and **Vertical** input fields with values of 30°00'00" and 0°00'00" respectively, and a **Measure** button. At the bottom, there are **OK** and **Cancel** buttons, each with a green checkmark icon to its left.

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



The **Radio Configuration** dialog box has a **Connection** section with radio buttons for **Direct** (selected), **RC-2**, and **Radio**. Below it is a **Settings** section with dropdown menus for **Channel**, **Station Address**, and **Remote Address**. At the bottom, there are **OK** and **Cancel** buttons, each with a green checkmark icon to its left.

14. There is nothing to set on the Check Level screen.



The **Check Level** dialog box includes a checkbox for **Calibrate instrument.** Below it is a circular diagram with a crosshair. At the bottom, there are **OK** and **Cancel** buttons, each with a green checkmark icon to its left.

15. 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. Have fun!