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Eagle Point Solution to a Frequently Asked Question

How to download and upload to a Trimble or TDS Ranger data collector

Summary:

This document explains the process of exchanging data between a Trimble or TDS Ranger and Eagle Point with Data Collection.

Product: Eagle Point Software™ 2001

Release: 2001 Q4 or 1.4.0 and greater

Platform: All

Related documents: TDS documentation

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As always, should you have any questions regarding any phase of installation, contact Eagle Point Technical Assistance at (800) 477-0909.

Note: *The steps referred to on the Ranger are version dependent. Therefore, newer versions of Trimble or TDS software running on the Ranger may have different steps.*

Downloading from the Trimble/TDS Ranger

Perform the following steps on the Ranger:

1. Select **(9) Transfer** from the main menu on the Ranger.
2. Select **(B) Send File**.
3. Verify the communication settings:

Connecting to:	HP48
COM Port (Ranger)	Com 1
Baud Rate	9600-115200
Parity	None

Performing the following steps in Data Collection:

4. Open a project in Eagle Point
5. Select **Products → Data Collection → Jobs → Download from Collector**.
6. Type the name of the Job that is being downloaded.
7. Under Communication Settings, select either the **TDS – Coordinate** or **TDS – Raw** format from the drop list of supported formats.
8. Select the COM port that is being used on the computer.
9. Set the baud rate to match that of the data collector.
10. Set the data bits to **8, none**.
11. Make a check in the Create Legal backup checkbox to automatically create a backup file on download.
12. Click on OK.

This will display the Transferring from the TDS dialog box.

Perform the final step on the Ranger:

13. Press the OK button.

14. Select the type of job from the Type drop list. Choose either **Coordinate (*.cr5)** to send a coordinate file or **Raw Files (*.raw)** to send a raw data file.
15. Select a job from the list of jobs that now display on the Ranger.
16. Press the OK button to transfer the job file.

To process the downloaded job information, select Jobs → Reduce.

Uploading to the Trimble/TDS Ranger

To upload information to Ranger, follow the steps outlined below.

Perform the following steps on the Ranger:

1. Select **(9) Transfer** from the main menu on the Ranger.
2. Select **(C) Receive File**.
3. Verify the communication settings:

Connecting to:	HP48
COM Port (Ranger)	Com 1
Baud Rate	9600-115200
Parity	None

Press the OK button.

Perform the following steps in Data Collection.

4. Select **Data Collection → Jobs → Upload to Collector**.
5. Select the Project option to upload nodes from the current project.
6. Type the name of the job to upload to the collector. The file name must follow the 8.3 convention and have a CR5 extension.
7. Under Communication Settings, select the TDS – Coordinate format from the drop list of supported formats.
8. Select the COM port that is being used on the computer.
9. Set the baud rate to match the data collector
10. Set the data bits to 8, none.
11. Click on OK on the Upload to Collector dialog box. The Select nodes to upload dialog box displays. You may use any of the standard methods of selecting Nodes (range, window, description, etc.). Click on Apply to accept the Nodes.
12. Click OK to accept. This will display the Transferring to the TDS dialog box. Your nodes should begin transferring to the data collector at this time.