

Importing an ASCII File to Use on the TSC2 Using Trimble Survey Controller

Introduction ASCII (American Standard Code for Information Interchange) files are used extensively to exchange data between electronic devices.

Note: ASCII files must first be transferred into the *Trimble Data* folder on the TSC2 before starting this exercise.

Note: This guide was written using Survey Controller version 11.32. If you are using a different version, the screens may look differently.

Data Format In this example the ASCII file we will be importing is in a **non-standard** format:

Code, Easting, Northing, Point Name, Elevation

I purposefully used this oddball order to demonstrate the flexibility of the import wizard.

The data contained in the file we are importing looks like this:


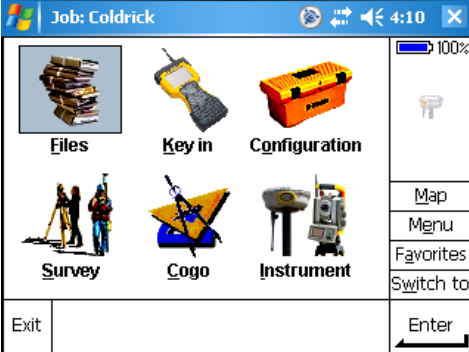
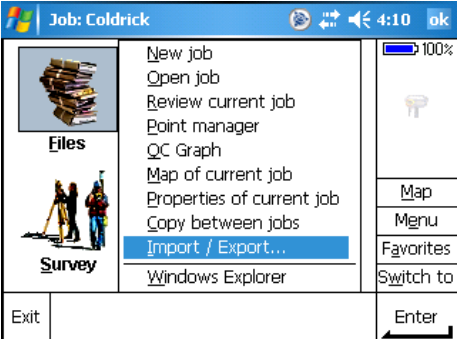
```
CNTRL,5000,10000,1,100  
CNTRL,5000,10100,2,110  
CNTRL,5100,10100,3,105  
CNTRL,5100,10000,4,101
```

This is a CSV (comma separated values) file.

Jobs Either create a new job or select an existing job that will be the destination of the point data about to be imported.

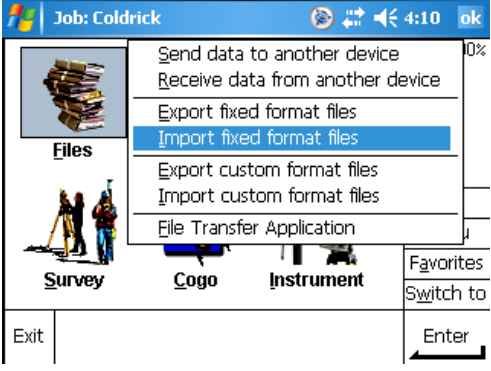
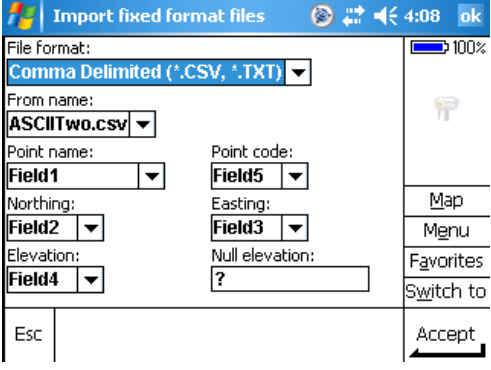
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Importing an ASCII File to Use on the TSC2, *continued*

Step	Action	Display
1	<ul style="list-style-type: none"> Turn on the TCS2 controller. Tap on Survey Controller from the Windows menu. <p>This starts the Trimble Survey Controller program.</p>	
2	<p>From the Main menu of the Trimble Survey Controller program:</p> <p>In this example, we will be importing the points into a job titled Coldrick. This job was already selected from a previous survey.</p> <ul style="list-style-type: none"> Tap on the Files icon. <p>This opens a pop up menu.</p>	
3	<p>In the pop up menu:</p> <ul style="list-style-type: none"> Select Import/ Export.... <p>This opens another pop up menu.</p>	

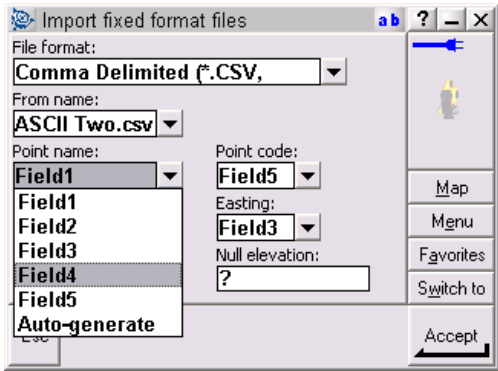
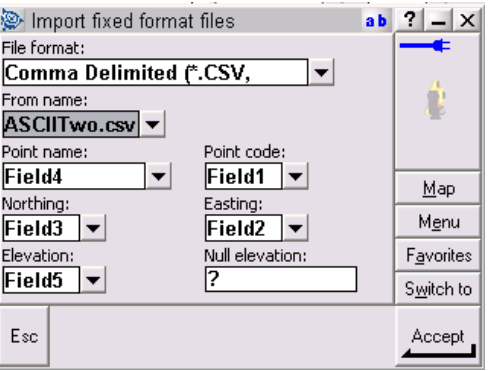
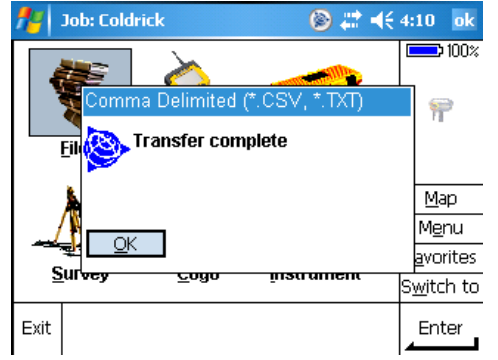
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Importing an ASCII File to Use on the TSC2, *continued*

Step	Action	Display
4	<p>In the pop up menu:</p> <ul style="list-style-type: none"> Select Import fixed format files. <p>This opens the Import fixed format files screen.</p>	 <p>The screenshot shows a software window titled 'Job: Coldrick' with a menu open. The menu items are: 'Send data to another device', 'Receive data from another device', 'Export fixed format files', 'Import fixed format files' (highlighted), 'Export custom format files', 'Import custom format files', and 'File Transfer Application'. Below the menu are icons for 'Files', 'Survey', 'Cogo', and 'Instrument'. At the bottom, there are 'Exit' and 'Enter' buttons.</p>
5	<p>In the Import fixed format files screen:</p> <ul style="list-style-type: none"> Select the file format in the File format field. <p>Note: In this example we are importing a comma delimited CSV file.</p> <p>In the From name field,</p> <ul style="list-style-type: none"> Select the file you wish to import. In this example the file we are importing is titled <i>ASCIItwo.CSV</i>. <p>Remember that the file you wish to import must be in the Trimble data folder on the TSC2.</p> <p>This step continues on the following page.</p>	 <p>The screenshot shows the 'Import fixed format files' dialog box. The 'File format' is set to 'Comma Delimited (*.CSV, *.TXT)'. The 'From name' is 'ASCIItwo.csv'. The 'Point name' is 'Field1' and the 'Point code' is 'Field5'. The 'Northing' is 'Field2', 'Easting' is 'Field3', and 'Elevation' is 'Field4'. The 'Null elevation' is set to '?'. There are 'Map', 'Menu', 'Favorites', and 'Switch to' buttons on the right. At the bottom, there are 'Esc' and 'Accept' buttons.</p>

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Importing an ASCII File to Use on the TSC2, *continued*

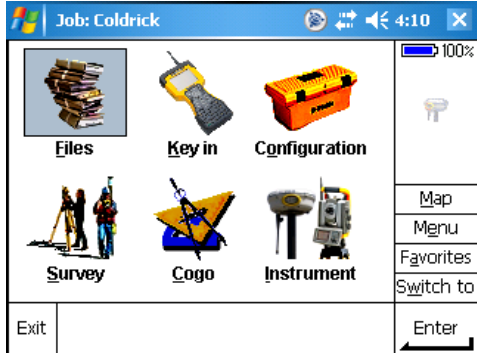
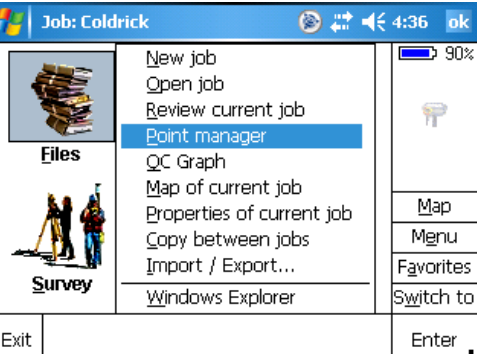
Step	Action	Display
<p>5</p> <p>This step continues from the previous screen:</p> <p>Remember the order of the data in this file is Code, Easting, Northing, Point name, Elevation.</p> <p>We are now ready to define which data order our file is in. The first field to define is the Point name field. According to our order above, the point name of our points are in the forth field.</p> <ul style="list-style-type: none"> Set the Point name field to Field4. <p>Continuing on, we set the:</p> <ul style="list-style-type: none"> Northing field to Field3 Elevation field to Field5 Point Code field to Field1 Easting field to Field2 <p>When finished,</p> <ul style="list-style-type: none"> Tap on the Accept button. <p>This imports the data and displays a Transfer complete message.</p> <ul style="list-style-type: none"> Tap on the OK button to acknowledge the message window. <p>This closes the Transfer Complete message and returns you to the Main menu.</p>		  

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Importing an ASCII File to Use on the TSC2, *continued*

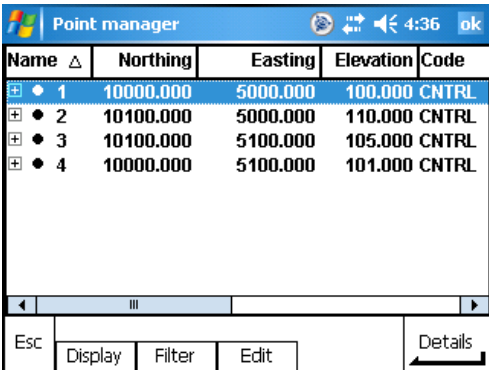
Verify what you just did

Congratulations you just imported an ACSII file using the Import fixed format files method. But you should **always verify** that you did what you thought you did. So let's go look at the points we just imported.

Step	Action	Display
6	<p>From the main menu and the current job selected:</p> <ul style="list-style-type: none"> • Tap on the Files icon. <p>This opens the pop down menu.</p> <ul style="list-style-type: none"> • Tap on Point Manager. <p>This opens the Point manager screen.</p>	 

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Importing an ASCII File to Use on the TSC2, *continued*

Step	Action	Display																									
7	<p>From the Point manager screen:</p> <p>Here we can see that, indeed, the points imported correctly and northings are northings and eastings are eastings.</p> <p>Once you have completed verifying the imported data,</p> <ul style="list-style-type: none"> • Tap on the ESC button. <p>This returns you to the main menu screen.</p>	 <p>The screenshot shows the 'Point manager' application interface. At the top, there's a title bar with the text 'Point manager' and a status bar with '4:36' and 'ok'. Below the title bar is a table with the following data:</p> <table border="1"> <thead> <tr> <th>Name</th> <th>Northing</th> <th>Easting</th> <th>Elevation</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>10000.000</td> <td>5000.000</td> <td>100.000</td> <td>CNTRL</td> </tr> <tr> <td>2</td> <td>10100.000</td> <td>5000.000</td> <td>110.000</td> <td>CNTRL</td> </tr> <tr> <td>3</td> <td>10100.000</td> <td>5100.000</td> <td>105.000</td> <td>CNTRL</td> </tr> <tr> <td>4</td> <td>10000.000</td> <td>5100.000</td> <td>101.000</td> <td>CNTRL</td> </tr> </tbody> </table> <p>At the bottom of the screen, there are several buttons: 'Esc', 'Display', 'Filter', 'Edit', and 'Details'.</p>	Name	Northing	Easting	Elevation	Code	1	10000.000	5000.000	100.000	CNTRL	2	10100.000	5000.000	110.000	CNTRL	3	10100.000	5100.000	105.000	CNTRL	4	10000.000	5100.000	101.000	CNTRL
Name	Northing	Easting	Elevation	Code																							
1	10000.000	5000.000	100.000	CNTRL																							
2	10100.000	5000.000	110.000	CNTRL																							
3	10100.000	5100.000	105.000	CNTRL																							
4	10000.000	5100.000	101.000	CNTRL																							

Finished Here we can see that even though the file we imported was in a different format order, we were still able to import the file by defining what data is in which column.