

TI Connect Guidelines for TI-83 Plus Graphing Calculator

Transferring CBR lists to *Graphical Analysis*:

1. Install and use the *Ranger* application in the TI-83 Plus graphing calculator. Collect distance and velocity data.
2. Note the presence of arrays L1 (time), L2 (distance), L3 (velocity), and/or L4 (acceleration). Do this by pressing the 2nd key followed by the array variable. Then press ENTER to see the data.
3. Connect the TI-GRAPH LINK cable to a free USB port of the computer and to the TI calculator.
4. Turn on the calculator.
5. With *Graphical Analysis* running, pull down the File menu and choose Import From -> TI Device... or click the calculator icon from the toolbar. The dialog box to the right should appear.
6. From the pull-down menu, choose USB port to which the TI-GRAPH LINK cable is connected.
7. If you are using a PC serial cable, identify whether it is a gray or black cable.
8. Click on the Scan for Calculator button. The calculator model you are using should now be identified, and you should see a message, "Ready to Import."
9. Click on the data list(s) that you want to import. (To select more than one list on a Macintosh, hold down the key while you click).
10. Click Done to send the data lists to the computer. The data will appear in columns in the [data table](#). They will be labeled with the simple list names from the calculator. If you want to re-name them or add units, double-click on the column heading in the data table and enter new labels and units.

Transferring downloaded files to graphing calculators:

1. Using the TI Graph Link cable provided, connect a TI-83 Plus graphing calculator (or similar) to the computer's USB port.
2. Turn on the graphing calculator – nothing more. No linking or receiving is required with TI Connect X.
3. Go to the computer's Applications folder and start TI Connect X.
4. When the TI Connect X screen opens, go to TI Device Explorer and click on "Tasks". Select "Send Files to Devices".
5. Ignore and close any error message windows that appear.
6. Wait momentarily for the TI Device Explorer screen to open and show "TI-83 Plus Silver Edition" or the description of the calculator you have linked to the computer.
7. Click on the triangle next to the "TI-83 Plus Silver Edition" statement to expand it and see the contents of the calculator.
8. Note the presence of applications (programs), lists, and other files.
9. Using a Web browser, go to the following URL: <http://www.ticalc.org/pub/>. This web site is full of applications. Select a program suitable for your calculator and download it to the computer's desktop. Many are zip files that will automatically decompress upon downloading to the desktop. IF YOU CANNOT FIND THE DOWNLOADED FILE ON THE DESKTOP, search the Downloads folder of your computer.
10. Note the extension of your decompressed file. An 8xp extension is correct for the TI-83 Plus graphing calculator.
11. Drag and drop your application file into the open TI Device Explorer window. The application will be transferred to the calculator.
12. Disconnect the TI Graph Link cable connecting calculator and computer.
13. Press the calculator's PRGM button to see the application (program) files available on the calculator.