

TI-83/84 How To Series

Topic: Transferring Data between Your Computer and TI-83/84 Calculator

The beauty of the TI-83/84 calculator is that it can download data from your computer. This makes the TI-83/84 a very powerful tool indeed because now we can retrieve data from the internet and put it in the calculator without having to enter everything in. We can download additional applications and programs unavailable with the basic software on the calculator and we can even share this information with fellow students by linking calculator to calculator.

Linking your Calculator to the Computer

Materials Needed

1. TI Connect Software: the software comes with your calculator or you can download it for free from Texas Instruments by clicking [here](#).
2. Link Cable

For TI-83/83+ owners use the Silver USB Link Cable. The Texas Instruments site will link you to several stores you can purchase the cable from. Click [here](#) to get started.



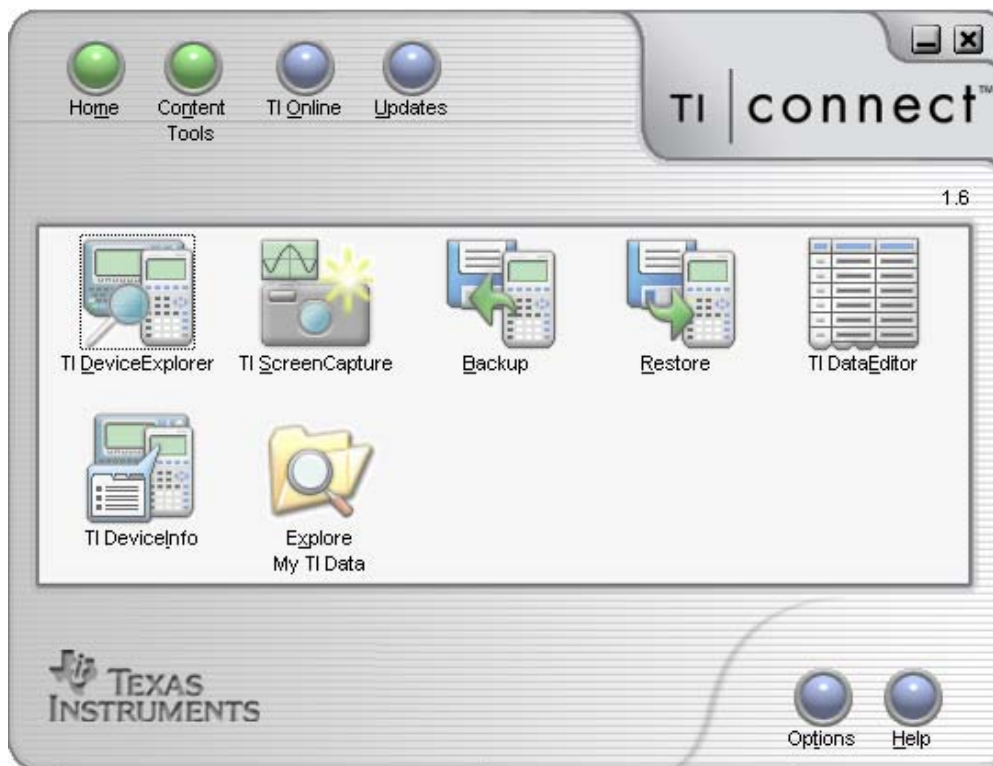
For TI-84/84+ owners use either the Silver USB Link Cable or the Mini-A to Mini-B Connectivity Cable that came with your calculator.



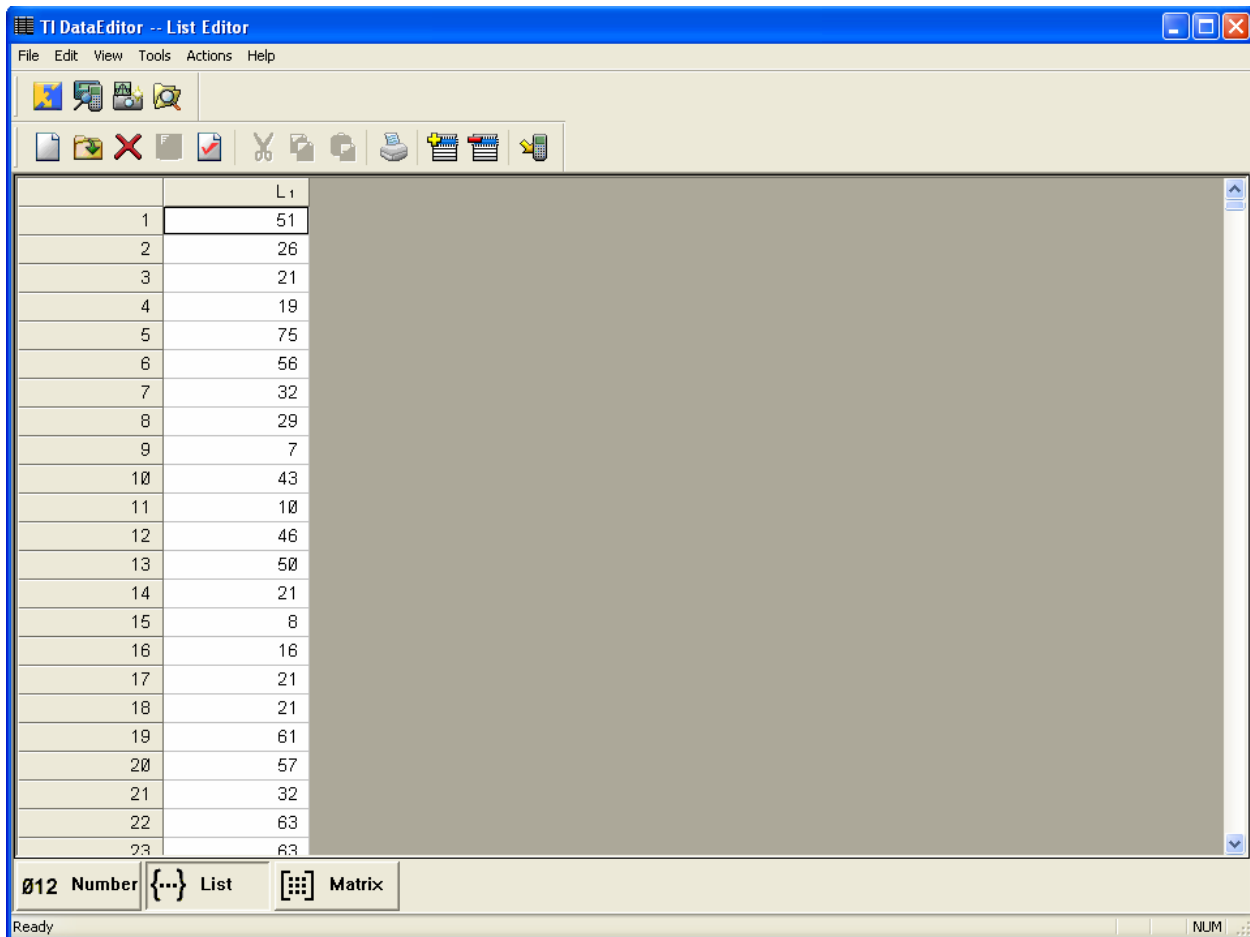
Steps


1. Install the TI Connect Software on your computer.

2. Start the TI Software. If you downloaded the latest version (1.6), the home screen should look like this:



3. Plug your Link cable to both your computer USB port and your calculator. Make sure the connections are secure and the calculator is turned on. The computer will search for your TI calculator. If your computer starts your “Found New Hardware” Wizard, follow the steps. Your computer and calculator should now be set up to “talk” to one another.
4. Let’s try a sample data set. Retrieve “Hawaii Ages” Data by clicking [here](#). Your internet browser should ask you whether you want to save the data or open it. Click open. Your TI Data Editor (this is part of the TI Connect software) will automatically start and you will have a list of about 300 points of data. See figure below.



5. We need to transfer this data from our computer into our calculator.
 - a. Make sure your calculator is connected to your computer using a Link cable and your calculator is turned on.
 - b. Click the Send File icon, .
 - c. If you have set up your calculator properly the file transfer should start automatically. If you have any data already stored in L1, the program will ask you whether or not you want to replace it. Typically the answer to this would be yes.
 - d. To check your data on your calculator hit STAT, EDIT.

L1	L2	L3	Z
51.0			
26.0			
21.0			
19.0			
75.0			
56.0			
32.0			
L2(1)=			

The data has been successfully transferred to the calculator and now you can use the data list as you wish.

- If you noticed, the TI Data Editor is set up similarly to a spreadsheet. If you feel more comfortable entering in the data on your computer then transferring it to your calculator, then by all means do so. Just remember to start a new file.

Transferring Data Between Calculators

The TI-83/84 series of calculators allows users to share their data. This is very useful in a classroom setting when trying to get all students to use the same data.



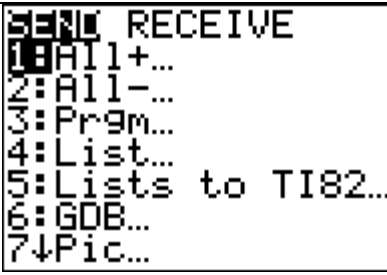

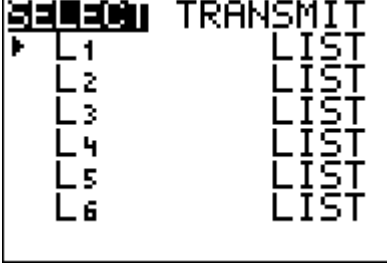

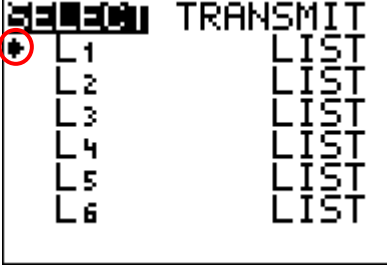
Transferring data is a simple process and it does not matter if one person has a TI-83 and the other a TI-84 series calculator, all calculators are compatible with each other.



Materials Needed

- Two calculators, one with the data/application, one needing the data/application.
- Calculator link cable. Comes with your calculator when purchased.



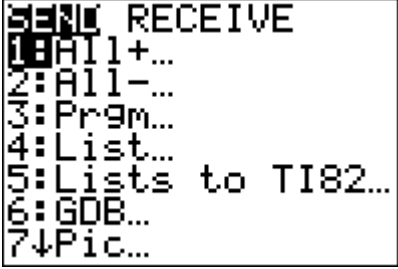


Steps

- Connect the two calculators with the link cable and turn on both calculators. Make sure the cable has been inserted tightly.
- The calculator **with** the data:

<p> </p> <p>Start the send process.</p>	 <pre> RECEIVE RECEIVE 1: All1+... 2: All1-... 3: Prgm... 4: List... 5: Lists to TI82... 6: GDB... 7: ↓Pic... </pre>	
<p></p> <p>In this case we want to transfer a list of data. Other options to transfer programs, etc. are also available.</p>	 <pre> TRANSMIT TRANSMIT L1 LIST L2 LIST L3 LIST L4 LIST L5 LIST L6 LIST </pre>	
<p></p> <p>IMPORTANT: Ensure the list you want to send is selected. Do this by using your arrow keys to scroll to the list you want to send (in this case we want to send L1), then press ENTER. Notice how a small square appears on the left side of the arrow. This indicates the list has been selected for sending. To deselect just press ENTER again.</p>	 <pre> TRANSMIT TRANSMIT * L1 LIST L2 LIST L3 LIST L4 LIST L5 LIST L6 LIST </pre>	

 <p>Scroll to transmit. Before you transmit your data we must set up the 2nd calculator to receive the data.</p>	
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3. The calculator **receiving** the data:

  <p>Start the receive process.</p>	
 <p>Use arrow key to get ready to receive. DO NOT start to receive yet.</p>	

4. The calculators are very particular in the order in which things are done. Once you get to these points on both of the calculators, the send process (calculator 1) **MUST** start before the receive process on the calculator 2. If you do not follow this sequence you get an error in transmitting the data.

Therefore, press ENTER on calculator then ENTER on calculator 2 and let the data flow. Depending on the size of your data list, this may take a minute or two.

If the receiving calculator already has data in L1, you will want to replace it.