TI-83 Plus Emulator Installation and How to Use

NOTE: You must have some kind of "unzip" program, like Winzip, in order to do this procedure. You can obtain an unzip program on the internet. Search for one on Google.com if you need one. For the screen shots that you see here, the operating system I used is Windows XP Professional. Website where you can download the emulator: http://epsstore.ti.com/webs/ProdInfo.asp?deptid=607&catid=584&sku=2682

1. Open the folder called "TI APPS and Emulators"

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	TI APPS and Emulators
±	83plus emulator
	🚞 TI73
	🛅 TI83+
	🚞 TI89
	Voyage200

2. Open the folder called "83plus emulator"



3. Double click on the folder with the zipper (83plusdebugger 4,230 KB)

83plusdebugger				
File Edit View Favorites Tools	s Help			
🚱 Back 🝷 🕥 🕤 🏂 🔎	Search 6 Folders			
Address C:\Documents and Setting	s\Tom\My Documents\TI AF	PPS and Emulators\83plus emulator\8	3plusdebugger.zip	🔽 🄁 Go
Folder Tasks 🛞	setup			
Other Places Image: Constraint of the second seco				
Details 😵				



5. Click on Continue.

6. Agree to the license agreement. Note that this is referred to as Texas Instruments Software Development Kit (SDK).

7. Click on "Next"



8. Click on "Next"



9. Click on "Next" two more times. The installation will begin.

10. Click on "Finish"



11. Read this if you like. 🙂



12. Click "OK" to restart your computer.



13. Now that the emulator is installed, and you have restarted your computer, you are ready to actually use the emulator.

14. I strongly suggest that you placed an icon on your desktop for the emulator. If you know how to do that, go ahead. For those of you who don't, I will do explain how you can do this with Windows XP.

Left click on the Start button:



15. Left click on All Programs:



16. Locate the TI-83 Flash Debugger program



17. Select the "TI-83 Flash Debugger" option



18. Right click on "TI-83 Plus Flash Debugger" and drag it onto the Desktop Click on "Copy here". This should place the following icon on your desktop.



19. Double left click on the icon to start the program.

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File View Help	
Ready	

20. Click on "File", "New"

#	
File View H	lelp
New	Ctrl+N
Open	Cfrl+O
Recent File	5
Exit	

21. Select which calculator you want to emulate. For our purposes we will use the TI-83 Plus.

New	×
New TL83 Plus	ОК
TI-83 Plus Silver Edition TI-73	Cancel

22. Then Click "OK

🛱 - T183Plus	
File Debug View Load Link Tools Window Help	
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Ready Status : Halted	

23. To just use the 83 plus without any APPS on it, you can begin now by clicking "Debug" "Go"

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6	Step	F11		
8	Step Over	F10		
	Breakpoints	Alt+F9		
	Address Watch Points	Alt+F8		
	Trace Options	Alt+F7		
	Enable IO Trace	0 00 1		
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	Reset Z80 registers and	l gatearray's outpu		

24. The response should be:



25. Press the "CLEAR" button on the calculator and proceed as you would with a "regular" TI-83 plus.



26. When you are finished, you can minimize the calculator, and select "File" and "Exit"

27. If you decide to save changes, select "Yes". Then type in a File name that is appropriate. Make sure that you are aware of WHERE the file is being saved, so that you can open it later. ③



28. If you wish to use the 83 plus with an APP, here is the procedure to follow.

Follow steps 19 through 22.

Then select "Load" and "Application..."

🖆 - T183Plus	
File Debug View Load Link Tools Window Help	
IX 0000 A 00 00 F IY 0000 B 00 00 C SP 0000 D 00 00 E PC 0000 H 00 00 L	
「Sign 「Zero 「 Half-Carry 「 Parity 「 Add/Sub 「 Carry TStates: 0	
Reset Z80 registers and gatearray's outpu	
Load flash application. Status : Halted	

29. Go the folder called "TI APPS and Emulators"

Load Applic	ation				?	×
Look in: 🔀	TI APPS and Emulators] 🗢	£	ď		
a3plus em	ulator					
TI73						
TI83+						
Vovage20	0					
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File name:					Open	
Files of type:	Flash Application (.app;.hex;.&xk.73k)		•		Cancel	

30. Double click on the "TI83+" folder

Load Application
Look in: TI83+ Areaform Cabrijr MathHand SolveIt Conicgrz MathHand SolveIt Conicgrz MathHand SolveIt Startup DecDfend ProbSi83 StudyCrd Comercy Conicgrz SolveIt StudyCrd SudyCrd SudyCrd SolveIt SudyCrd SudyCrd SolveIt SudyCrd SudyCrd SolveIt SudyCrd SolveIt SudyCrd SolveIt SudyCrd SolveIt Sol
File name: Open Files of type: Flash Application (.app;.hex;.8xk;.73k) Cancel

31. Double click on whatever APP you prefer. For this example, we will use the Study Card APP. So double click on "StudyCrd"

The Windows box will disappear and it may look like nothing was accomplished but it was. Before we can run the Study Card APP, we need to load some Study Card Stacks. Since those are not applications, they are loaded as RAM files.

32. Click on "Load" "RAM file ... "



33. Go to the Folder that has the Study Card Stacks. For this example we will use the TI-83 study cards.

Load File	? 🗙	Load File	? 🗙
Look in: 🔁 Study Cards	- 🔁 🖆 🎫	Look in: 🗁 Ti-83 study cards	- 🖬 🎦 🛨 🔽
BasicGraphs01 Ti-83 study cards BasicGraphs03 TI-92 study cards study card all viewer study cards study card creator Voyage study cards TI73 frac ADDFRAC1 Ti-73 study cards ADDSIGN1	addsign2 IAG BGRAPH01 IAG BGRAPH03 MIS FRACSIM1 PER IAG real IAGC1 SIG	ABERDEEN BGraph03 ADDFRAC1 BGraph04 ADDSIGN1 FracAdd1 addsign2 FracAdd2 Bgraph01 FracDiv1 BGraph02 FracMix1	FracMix2 IAGch1 F FracMul1 IAGCH3 F FracSim1 IAGCH5A F FracSub1 PERFSQUA F FracSub2 POWER1 F IAG POWER2 F
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File name:	Open	File name:	Open
Files of type: Ram Program (*.8x?;*.83?)	Cancel	Files of type: Ram Program (*.8x?;*	*.83?) Cancel

34. Select the "FracAdd1" stack and then click "Open". Do the same for "BGraph01"

Load File	? 🗙	Load File	? 🗙
Look in: 🗀 Ti-83 study cards	- - - - - -	Look in: 🗀 Ti-83 study cards	• € ☆ ⊞•
ABERDEEN BGraph03 Fr ADDFRAC1 BGraph04 Fr ADDSIGN1 FracAdd1 Fr addsign2 FracAdd2 Fr Bgraph01 FracDiv1 Fr BGraph02 FracMix1 FI	racMix2 IAGch1 F racMul1 IAGCH3 F racSim1 IAGCH5A F racSub1 PERFSQUA F racSub2 POWER1 F AG POWER2 F	ABERDEEN BGraph03 ADDFRAC1 BGraph04 ADDSIGN1 FracAdd1 addsign2 FracAdd2 Bgraph01 FracDiv1 BGraph02 FracMix1	FracMix2 IAGch1 F FracMul1 IAGCH3 F FracSim1 IAGCH5A F FracSub1 PERFSQUA F FracSub2 POWER1 F IAG POWER2 F
<	>		>
File name: FracAdd1	Open	File name: Bgraph01	Open
Files of type: Ram Program (*.8x?;*.83?)	Cancel	Files of type: Ram Program (*.8x?;*	.83?) Cancel

35. Now let's see that the APP and the stacks have been successfully loaded. Click on "Debug" and "Go"



36. Click on "APPS" and cursor down to 2:StudyCrd



37. Press "ENTER"



39.



38. Press any key...



40. Cursor down to 2:FracAdd1



41. Press "ENTER"



43. Press the TRACE key to Flip the card



45. Press 3 for Choose new stack



42. Press any key...



44. Press the Y= key to obtain the MENU



46. Press 1 for Basic Graphs1



47. The first "Basic Graph" ...



48. Now you have successfully loaded an APP and an APP Variable (Study Card Stack).

IT IS VERY IMPORTANT THAT YOU SAVE YOUR WORK!!!

In that way, you will not have to load the APP and/or APP variables the next time.

Minimize the calculator.

Click on "Debug" and "Stop"



49. Click on "File" "Save As..."

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File	Debug	View	Load	Link	Tools	Window	Help	
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Save	e the activ	re docun	nent w	ith a ne	wname	2	Status : Halted	

50. Type in an appropriate name, like "TI83+StudyCard" Again, pay attention in what folder you are saving this file so that you can retrieve it later.

Save As						? 🗙
Save in: 🗀	TI 83 Flash Debugger	•	¢	£	ď	*
TI83PlusOc	t2003					
File name:	T183+StudyCard					Save
Save as type:	TI-83 Plus Debugger File (*.83d)		-	•		Cancel

51. Then "File" "Exit"

52. To reopen a file already created:

Double click on the TI83 Flash Debugger icon on the desktop.

"File" "Open" Select the appropriate file. In this case: "TI83+StudyCard"

Open					? 🗙
Look in: 🔯	TI 83 Flash Debugger	•	← @	ð 💣	!!! •
TI83+Stud	yCard tt2003				
File name:	TI83+StudyCard				Open
Files of type:	TI-83 Plus Debugger File (*.83d)		•		Cancel

Click on the "Open" button.

Press "Debug" and then "Go".

Proceed as you wish.

You may or may not want to Save the file when you are finished.

If you wish to emulate the TI-73 or the TI-83 Silver Edition, it is done in a similar way.

SUGGESTION

Make a separate file for each APP. In that way you can load the emulator that you wish to use and not worry about using too much memory.

I hope that you found this helpful. Please send any comments about this document to: Tom Reardon e-mail: aust_tr@access-k12.org or euclid@zoominternet.net

If you would like to use the TI-89, TI-92+, or Voyage 200 emulator, you must get permission from Brian Dean at Texas Instruments. His e-mail address is: bdean1@ti.com "Tell him I sent you."

www.TomReardon.com

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