TI Connect and the TI-84 Plus Silver Edition: Installation and Operating System and Application Updates Sarah L. Mabrouk, Framingham State College

download Connect You can the current version of the ΤI software at http://education.ti.com/us/product/accessory/connectivity/features/software.html: this page has some general information as well as a hyperlink to information about the system requirements for the current version. Click the Download TI Connect Now > hyperlink and then select the desired version, Windows or Mac, on the next page, http://education.ti.com/us/product/accessory/connectivity/down/download.html; here we select the Windows version. In order to download the software, you will need to login; if you are not a registered user, you will be able to register on this page. Then, on the next download page, select the desired language, here English; the next page lists the file size and the version number.

Opening ticonnect	_eng.exe
	ted that "ticonnect_eng.exe" be handled as an type application/octet-stream (Application) and located
http://education.ti.c	om/educationportal/appsdelivery/download/
What should Netsca	pe do with this file?
🔘 Open it with	hoose
🔘 Save it to disk	
Always perform	this action when handling files of this type
	OK Cancel

Figure 1: The opening ticonnect_eng.exe dialog box.

Enter name of fil	o to couo to				? ×
chter name of h	e to save to				
Save in:	🔁 Version 1.6		•	🗧 🗈 💣 🎫	
History History Desktop My Documents My Documents My Computer					
My Network P	File name:	ticonnect_eng.exe		•	Save
My Newolk P	Save as type:	*.exe		•	Cancel

Figure 2: The enter name of file to save to dialog box.

After you have completed the download steps, the Opening ticonnect_eng.exe dialog box, Figure 1, will open: select Save it to disk and click Ok. Next, you will need to choose a folder into which to save the file; here, we save ticonnect_eng.exe in the folder Version 1.6 in My_Download_Programs so that the file can be easily found for installation; you will find it helpful to organize your downloaded software.

🕞 TI Connect 1.6 Setup		🙀 TI Connect 1.6 Setup	X
	Welcome to the TI Connect 1.6 Installation		Welcome to Ti Connect™ 1.6
			TI Connect™ Software makes it easy to:
	Searching for installed applications		 Download graphing calculator software applications (Apps) Drag and drop all data types, such as lists, variables, etc. Capture screen images for use in other documents Backup data from a graphing calculator to a computer
TEXAS INSTRUMENTS		TEXAS INSTRUMENTS	To exit the installation at any time, click on Cancel. To continue, click on Next.
	Cancel	<u>.</u>	< Back Next> Cancel
Einung 2. Th	e firet TI Connect installation window	Einung 4. Münde	

Figure 3: The first TI Connect installation window.

Figure 4: Window providing general information about TI Connect.

After the download is complete, navigate to the folder into which you saved the file and double-click the filename/icon to install the program: installation of the program will begin immediately. You will have the option to cancel the installation by selecting No as displayed in Figure 5. The Texas Instruments PC Software License Agreement window, Figure 6, provides the license agreement for the software; you must choose to accept the license agreement in order to install the software.

🔡 TI Connect 1.6 Setup		🔁 TI Connect 1.6 Setup
	We recommend that you exit all other applications before installing TI Connect 1.5. If you receive a Microsoft® warning regarding a driver not being signed, please select "Continue Anyway" in	Please read the following license agreement. Use the scroll bar to view the rest of this agreement. TI connect [*]
	order for your Texas Instruments Education Software to install properly.	AGREEMENT By downloading the software and/or documentation you agree to abide
	TI Connect version 1.6 provides advanced communications capabilities that may require an update to your TI device's Operating System: (You can update using TI OS Downloader following installation.)	 by the following provisions. 1 License: Subject to your payment of any applicable license fee, Texas Instruments Incorporated ("TI") grants you a license to copy and use the software program(s) and documentation from the linked web page or CD ROM ("Licensed Materials"). In addition to the copy resident on your
Texas Instruments	Do you want to continue installing TI Connect version 1.6?	 I accept the license agreement I do not accept the license agreement
	Yes No	< <u>B</u> ack <u>N</u> ext> Cancel

Figure 5: General information about TI Connect 1.6 installation.

Figure 6: The TI PC Software License agreement.

Next, Figure 7, you select the location to which the program files are to be saved; you can check the disk cost as well. The next installation window allows you to check the folder location that you have selected. If you choose to change the folder location or folder name, you can select Back to go back to the previous window and make any desired changes.

🚰 TI Connect 1.6 Setup		TI Connect 1.6 Setup	
Please verify or change the TI Connect destination location according to your preference.			
Destination Folder C:\Program Files\TI Education\ Browse			We now have enough information to install TI Connect 1.6 on this computer. To begin the installation, click on Next. To review or change any of the installation information, click on Back.
Disk Space Click the Disk Cost button to see the disk space required to install this product. To continue, click on Next.]	TEXAS INSTRUMENTS	Current Settings Folder: C:\Program Files\TI Education\ Start Menu: TI Tools
< <u>B</u> ack <u>N</u> ext> Ca	ancel		< <u>B</u> ack <u>N</u> ext > Cancel

Figure 7: Select the program file and check the disk cost.

Figure 8: Check the selected folder location.

It is important to mention that it is best to use the program selected folder rather than saving the program in another folder: some programs have been set up to run best within the Program Files folder. Howver, if you have already used the folder TI Education in the Program Files folder for some other non-TI software, it might be best to choose another folder name in the Program Files folder.

Upon clicking Next, the program will install; you can monitor the installation program using the progress bar in the installation window, Figure 9. When installation is complete, you can choose to view the program ReadMe file; since this file is stored in the program file, you can view the ReadMe file later.

Now, we are ready to start the program. Figure 11 displays the TI Tools menu on the Windows Program Menu. We need to connect the calculator using the cable, here the USB cable, to the computer and let Windows detect and install the device; it is important to make sure that the cable is properly attached to the computer and to the calculator in order for the program to detect the connection location.

In order to establish the device connection, open the TI DeviceExplorer and allow the program to detect the calculator; if you have any problem in establishing the connection, there is a help facility available.

Once the connection between the calculator and the computer has been established, the information will be displayed in the TI DeviceExplorer window, Figure 12.

TI Connect 1.6 Setup		TI Connect 1.6 Setup	I Connect 1.6 has been successfully installed! Launch TI Connect ReadMe
	Cancel	TEXAS INSTRUMENTS	Click the Finish button to exit this installation.

Figure 9: Installation of the program.

Figure 10: The final installation window.



Figure 11: The TI Tools menu on the Windows Program Menu.

Figure 12: The TI DeviceExplorer window.

The TI DeviceExplorer window can be accessed from the TI Connect program window, Figure 13; all components of TI Connect can be accessed from the TI Connect program window.



Figure 13: The TI Connect Window.

TI DeviceInformation	×		
General Information Insta	led Applications ID List	TI Backup	x
Device ID: 0A313- OS Version: 2.21 BIOS Version: 1.00 Language: English		Current Device: TI-84 Plus Silver Edition Select Select data to backup:	t Device
Total RAM: 24 KByl RAM Available: 17511 E Battery Status: Good		Backup to: C:\Documents and Settin\T184PlusSilverEdition.tig	💽 💽 Cancel

Figure 14: The TI DeviceInformation.

Figure 15: The TI Backup window.

Using the DeviceInformation icon, you can access and save the information about the installed applications and ID information for your calculator, Figure 14.

Transferring				
ALG1PRT1				
ALG1PRT1.8xk				
File 85 of 129				
	0			
F]
0%		 		100%
			Can	cel

Figure 16: The Transferring files window.

Before you update the operating system for your calculator, you should backup the files/data and applications on your calculator. Figure 15 displays the TI Backup window and Figure 16 displays the progress window for backing up the files/data and applications; be patient since the backup process takes time.

Once you have completed the back up, you can use the Updates button in the TI Connect window to search for updates for your calculator. The backup allows you to restore any data that or special applications that you had saved on or downloaded to your calculator. After updating the operating system, you can restore any data that you need and restore any special applications that you added or restore any missing applications.

Upon initiating the TI Update, the TI Update window opens: you can select the types of updates that you would like to download, Figure 17. The new versions of any selected items from the last window, for example the operating system or applications, are listed: you select the updates that you would like to download.

ersions of the software are available. There is no charge to update your software. elect the items you would like to update: TI Device OS Updates (requires login) TH84 Plus Operating System 2.30 (693.72 KB) TI Device Free Apps (requires login)
TI Device OS Updates (requires login)
TI-84 Plus Operating System 2.30 (693.72 KB)
Periodic Table Demo (English) 1.00 (37.61 KB)
vnload size: 0.0 KB
elect update action(s)
Download to my device
Save to my computer:
C:\Documents and Settings\laptop\My Documents\MyTiData\D
Continue Cancel
w sl

Figure 17: The TI Updates window.

Figure 18: Select the desired updates.

Information about the program applications and operating system can be accessed at <u>http://education.ti.com/us/product/tech/84pse/apps/appslist.html</u>. In order to update the operating system, we download the operating system to the pc hard drive.

This license agreement applies to the following downloads: Periodic Table Demo (English) 1.00 TI-84 Plus Operating System 2.30	
TEXAS INSTRUMENTS APP SOFTWARE LICENSE AGREEMENT	
By downloading the software and/or documentation you agree to abide by the following provisions.	
 License: Subject to your payment of any applicable license fee, Texas Instruments Incorporated ("TI") grants you a license to copy and use the software program(s) and documentation from the linked web page or CD ROM ("Licensed Materials"). In addition to the copy resident on your calculator, you may keep a 	TI Updates: Download complete
copy on your computer for backup / archive purposes.	Successfully downloaded the requested file(s) and saved to : $\hfill = \hfill = \hf$
2. Restrictions: You may not reverse-assemble or reverse- compile the software program patient of the Licensed Materials	C:\Documents and Settings\laptop\My Documents\MvTIData\Downloads\05-21-05\
C I do not accept the terms of the license agreement	Open Folder OK

Figure 19: Accept the User License Agreement.

Figure 20: TI Updates Download complete window.

Once you have selected the desired updates, select Continue. You will be asked to accept the user license agreement before the download begins; if you do not accept the license agreement then the download will be terminated.

You can choose to download the updates directly to the calculator or to the hard drive. For operating system updates it is best to download to the pc hard drive and then install the updates using the TI OSDownloader, Figure 21, in the TI DeviceExplorer. For detailed information on the process look up updating with TI OS Downloader in the Help feature.



Figure 21: Updating with TI OS Downloader.

Figure 22 displays the TI Updates window for updating the Periodic Table Demo; here, the demo was downloaded directly to the calculator.

TI Updates		×
Newer versions of the software are available. There is no ch	narge to update yo	ur software.
Please select the items you would like to update:		
□ ₩ Ti Device Free Apps (requires login) □ Periodic Table Demo (English) 1.00 (37.61 KB)	
Total download size: 37.61 KB		
Download to my device		
Save to my computer	cuments\MyTiD at	10
	Continue	Cancel

Figure 22: The TI Updates window with direct to device download selected.

I hope that you found this information for downloading and installing the TI Connect software and for updating the TI84 operating system and applications useful. There are more capabilities of the TI Connect software to explore.

Please feel free to contact me, smabrouk@frc.mass.edu, if you have any questions.