

HOW TO INSTALL STARPILOT INTO YOUR (89, 92+, or V200) CALCULATOR

Step 1. Getting the StarPilot files into your computer

This can be done one of two ways.

1a. To download StarPilot program from www.starpilotllc.com

Go to Downloads section. Select StarPilot calculator programs. Select your calculator. Right click the link and select Save target to hard drive. Select a location on your computer (remember it). This will put onto your computer a file with name sp-xx.exe, where xx is the version you downloaded. Go the place you saved to and double click the file sp-xx.exe. This will unpack the files into a folder called c:\MyTiData\Backups. If you change that location, record where you put the files.

1b. To move StarPilot program from the StarPilot CD to your computer

When you insert the CD it should open with a main menu screen. If not, use My Computer to locate your CD drive and double click the StarPilot icon. That will launch the main menu screen. From the main menu screen, choose "Select Calculator" to see the screen of all calculator options. Click on your calculator type, and it will open a folder with several files and documents. Double click the file sp-xx.exe. This will unpack the files into a folder called c:\MyTiData\Backups. If you change that location, record where you put the files.

Step 2. To Install StarPilot from your computer to the calculator

Individual keys are shown in square brackets, i.e. [ON]. Note: TI-OS AMS 2.05 or newer is required (see Troubleshooting below).

2-1 Install and configure the program *TI-Connect for Windows*. The configuration requires a cable-type specification. The TI-Connect program is available as a free download from www.education.ti.com. There is also a copy on the StarPilot CD, if you do not have Internet access.

2-2 Connect your calculator to the PC and start the *TI-connect* program.

2-3 From the *TI-Connect* main window click on "Restore". Select the StarPilot download image (sp23082.89g for example) and follow the prompts. If the defaults were not changed, that image will be in c:\MyTiData\Backups and it should show up automatically. If it does not, you must navigate to the place you put it in step 1.

3. To initialize StarPilot once installed in your calculator

3-1 Unplug the calculator from the PC connecting cable.

3-2 Press [2nd][VAR-LINK]

3-3 Arrow down to "spsetup" and press [ENTER]. Finish the command by pressing [)]. You should now see "spsetup()" at the bottom of the screen.

3-4 Then press [ENTER] to execute the StarPilot initialization program. The StarPilot setup program should then unarchive the backup version of the software, which is stored in ROM,

display several lines of clearing statements, followed by —More—. Press [Enter] then to show the StarPilot logo, the version screen, and the calculator-generated CODE with a prompt for an initialization KEY.

3-5 At this point you need to register your purchase to get the KEY that will unlock the StarPilot program in your calculator. The registration can be done at any time online at www.starpilotllc.com/register.htm. Or it can be done by email to info@starpilotllc.com or by telephone 865-379-8723 or by fax to 865-681-5017. The latter options are available 9am to 5pm, US Pacific Coast time, on weekdays. The registration process requires (a) the calculator-generated CODE, (b) the serial number of your calculator from the back of the device, and (c) the purchase serial number that you received when you purchased the StarPilot program.

If you do not have the KEY at the moment, just set the calculator aside till you get the KEY. It will shut itself off, and then the [ON] key will bring you back to the screen where you enter the KEY. Entering a valid KEY will bring you to the main Index page of the StarPilot, from which you get to all of its functions.

Note that StarPilot KEY is good for the life of the unit. Each TI-89, 92+, or V200 has a unique serial number and StarPilot uses this unique number when generating the KEY. You might want to write the KEY on a sticker on the inside cover of the calculator in case you ever decide to uninstall the program from ROM or wish to reinstall it for any other reason.

To start the StarPilot program

1. From a calculator off position, the [ON] key will take you back to the place you were in the calculator when it went off or you shut it off.
2. If calculator is on, but none of the StarPilot menus are showing, press [green diamond] [1]

Turning the calculator off

There are several ways to turn the calculator off.

1. The simplest is just put the calculator away and forget it when you are done. After a few minutes, it will shut itself off. The [ON] key will then turn it back on to where it was when it went off. Doing this as standard procedure will not have any significant effect on battery life.
2. A second method is to execute menu entry 7 from the main Index menu, which is convenient if you happen to be on that screen.
3. From some place other than the main Index, you can press [F1] [F1], a quick way to get back to Index, and then press [7].
4. Or if you are in the middle of a calculation and want to quit immediately, press [ON] which aborts any StarPilot computation and takes you to the main TI-89 display screen, and on this screen the "normal" off works, i.e. [2nd] [off]. If you abort with the [ON] key and want to get back to StarPilot, press [green diamond] [1].

Calculator file structure

At the time of initial installation, StarPilot consists of the following calculator files and

folders. If there is any doubt about the transfer from computer to calculator, you might want to look in the calculator for these files. [2nd] [var-link] shows the folders. Blue arrows open and close them. After you run StarPilot, however, there will be more files and folders in the calculator.

```
MAIN\  
  *kbdprgm1  
  *spinit  
  *spsetup  
  *spunist  
SPARC\  
  *sparc1  
  *sparc2  
  *sparc3  
  *sparc4  
  *sparc5  
  *sparc6  
SPSITE\  
  *aaa  
  *b  
  *burch  
...
```

Macintosh users

The process is very similar to outlined above. Install and configure the *TI-Connect for the Mac*. This program is available as a free download from education.ti.com. Once *TI-connect* is installed and running and your calculator is connected, "drag" the StarPilot image onto the GraphLink icon. This will install the StarPilot program files directly onto the calculator. Again, if the defaults were not changed, you will find that image in `c:\mytidata\backups`, provided the self-extracting zip files (`sp-xx.exe`) would work on your Mac. If not move the files manually to where you need them. The program files look like `spp25122`, where the 5 digits are a date `ddmmy`.

Latest updates

The latest version of the program can always be found at www.starpilotllc.com. Once you have installed and registered your program you can update it at any time, without further registration, by using the above procedure. If the KEY is asked for, use the same one that you used for your initial installation. It is unique to your calculator and will always work.

Uninstalling StarPilot

To uninstall all or some portion of the StarPilot execute `spunist()` from the [2nd][VAR-LINK] menu. `Spunist()` will first verify that you indeed want to remove the software from the calculator. Answering YES to the uninstall question will then cause the program to proceed with the uninstall. Next `spunist()` will ask the user if all archived sights should be removed

from the calc. Answering NO will leave the sights untouched. Finally the program asks if the ROMed archive of the program should be installed. Answering NO to the final question will remove all RAM components of the program but leave the ROM images for later re-installation of the StarPilot without having to install the program again from a computer. Execute spsetup() to re-install and run the StarPilot.

Trouble shooting

TI operating System. StarPilot requires TI operating system AMS 2.05 or newer. It is unlikely you would have an older system on a new calculator, but for older units it should be checked. From the TI-home page, there should be a row of boxes at the top of the screen, and in F1 should be "Tools." (If F1 shows "Index," then you have the StarPilot already installed and need to press [ON] [2nd] [Custom] to revert back to the TI home page.)

Then pressing [F1] will bring up a menu, which you can scroll till you find About. Press [Enter] and read about the operating system. If you need to update the system, there is a copy of AMS205 on the StarPilot CD or it can be downloaded from www.education.ti.com.

TI-Connect USB troubles. TI-Connect must be installed properly to work with the USB cable. If your cable is not connecting, please read the Help file in TI-Connect. If the USB drivers were not installed properly, you may need to uninstall the program and try again as they explain.

TI-Connect and Win XP. As of TI-Connect ver 1.1, TI do not guarantee that it will work with Win XP. Win XP users should then use TI GraphLink, which is accessible from the TI-connect menu, and then use either the TI-black cable, the TI-gray cable, or the StarPilot Link cable. GraphLink will not work with the USB cable. Alternatively, one might try the linking program called TiLP which can be downloaded at no charge from www.tilp.info. This program should work with any operating system and any cable on any TI calculator.