

Updating the TI-Innovator Hub to the latest version of the sketch (“firmware”)

With TI-Rover

For TI-84 Plus CE and TI-Nspire CX

June 5, 2021

Step 1: Check your TI-Innovator Hub sketch version

Connect your TI-Innovator Hub to your calculator with a unit-to-unit cable.

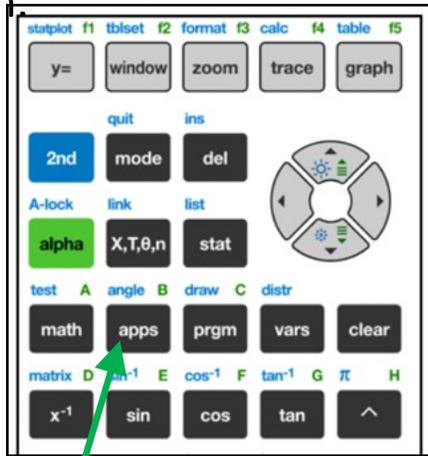
As the Hub powers up you will see a colored light for a few seconds.

Magenta is the color for the Version 1.4 Sketch.

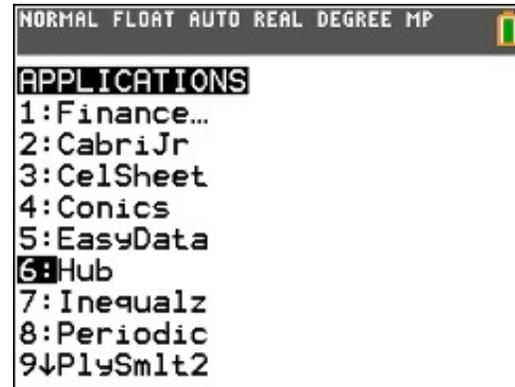
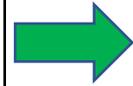
Orange is the color for the Version 1.5 Sketch (March 2021).



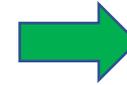
After connecting the TI-Innovator Hub with a unit-to-unit cable, you can also check the Hub sketch version by pressing the [apps] key followed by selecting the Hub app from the menu. The sketch version will be displayed in green.



Press the [apps] key



Select 6: Hub from the Apps menu



The Sketch version is displayed.

Step 1: Check your TI-Innovator Hub sketch version

Connect your TI-Innovator Hub to your calculator with a unit-to-unit cable.

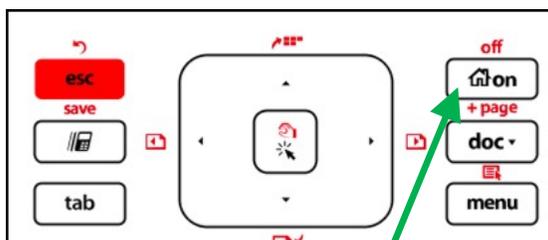
As the Hub powers up you will see a colored light for a few seconds.

Magenta is the color for the Version 1.4 Sketch.

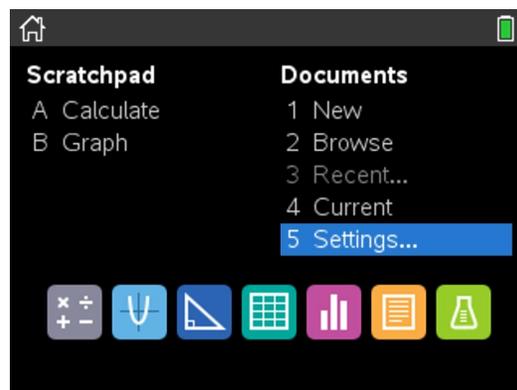
Orange is the color for the Version 1.5 Sketch (March 2021).



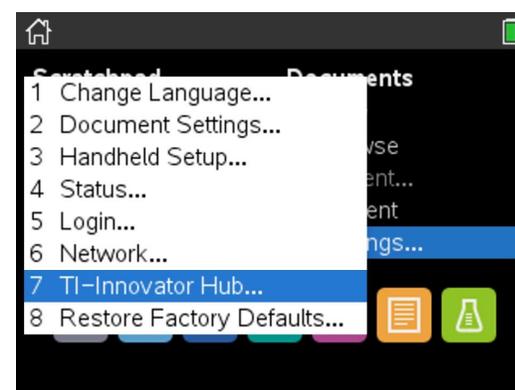
After connecting the TI-Innovator Hub with a unit-to-unit cable, you can also check the Hub sketch version by pressing the [Home/on] key followed by 5:Settings then 7:selecting the Hub app from the menu. The sketch version will be displayed in the dialogue box.



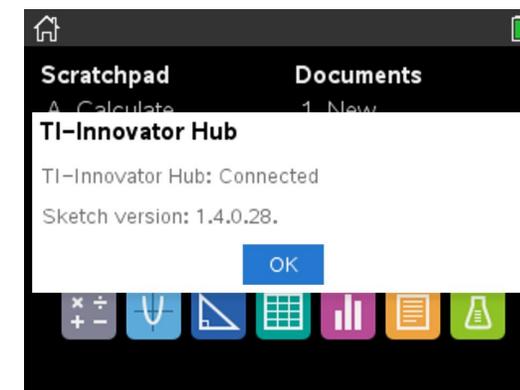
Press the [Home/on] key



Select 5: Settings...



Select 7: TI-Innovator Hub...



The Sketch version is displayed.

Step 2: Download the TI-Innovator Updater Software

Download the latest version of the TI-Innovator Updater Software (Version 1.0) at this [link](#).

Note: Windows users download .EXE file for individual installation.



The screenshot shows the TI-Innovator Hub Update Software download page. The page header includes the Texas Instruments logo, "Education Technology", and a search bar. The main content area is titled "Software, OS Updates and Apps" and features a table of download items. A green arrow labeled "Windows" points to the first row of the table, and another green arrow labeled "Mac" points to the third row.

Download Item	Version	Size (KB)
TI-Innovator™ Hub Update Software for Windows® (EXE)	1.0	91,378
TI-Innovator™ Hub Update Software for Windows® (MSI)	1.0	85,043
TI-Innovator™ Hub Update Software for Macintosh®	1.0	15,025

Windows

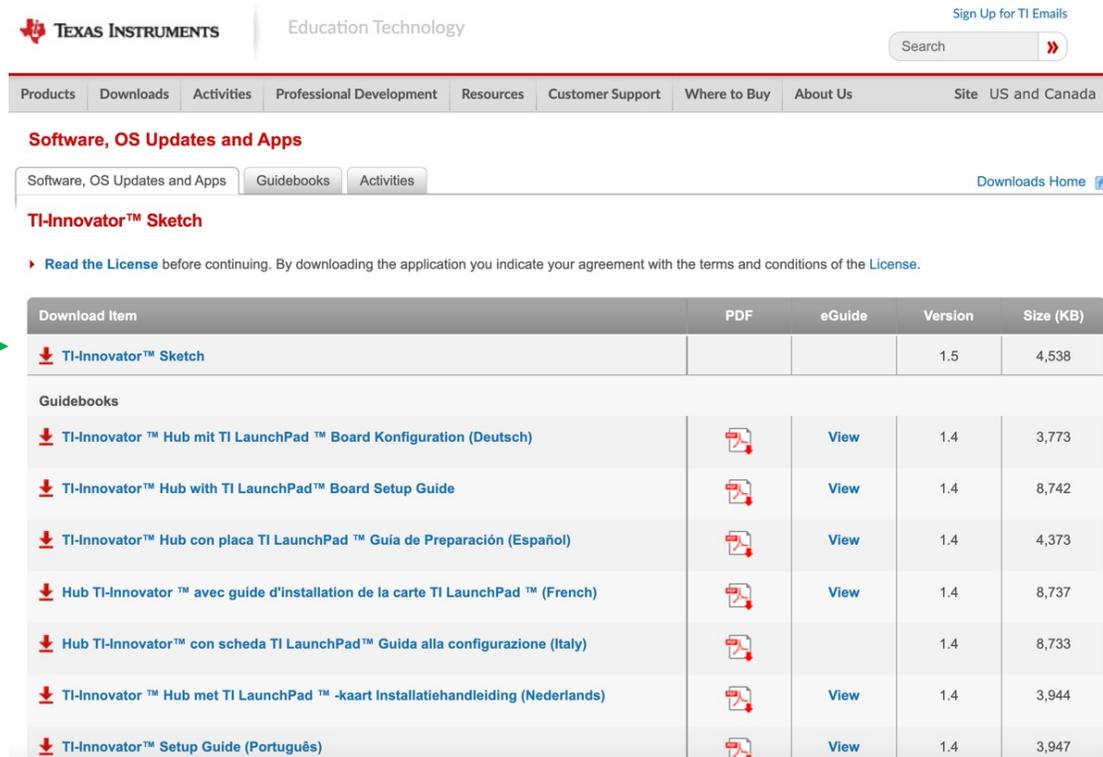
Mac

Find and open (or double click) the downloaded file to install.

Step 3: Download the latest TI-Innovator Hub sketch

Download the latest version of the TI-Innovator Sketch* (Version 1.5) at this [link](#). You will install the Sketch file on the TI-Innovator Hub with the Updater Software.

*The "Sketch" is the name used for the TI-Innovator Hub operating system.

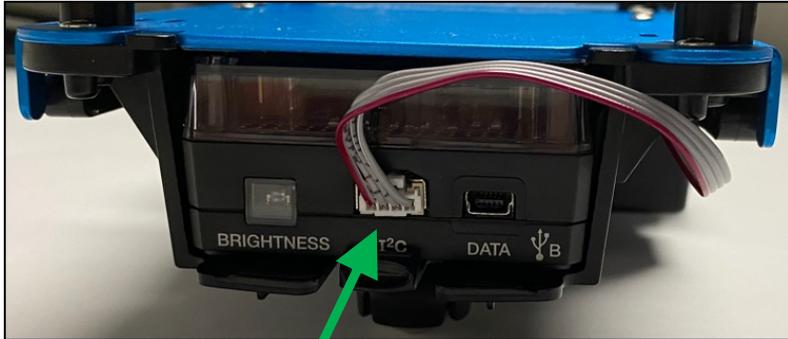


The screenshot shows the TI-Innovator Hub website interface. At the top, there is a navigation bar with the Texas Instruments logo, 'Education Technology', a search bar, and a 'Sign Up for TI Emails' link. Below the navigation bar, there are tabs for 'Products', 'Downloads', 'Activities', 'Professional Development', 'Resources', 'Customer Support', 'Where to Buy', and 'About Us'. The 'Downloads' tab is selected, and the page title is 'Software, OS Updates and Apps'. Underneath, there are sub-tabs for 'Software, OS Updates and Apps', 'Guidebooks', and 'Activities'. The 'TI-Innovator™ Sketch' section is highlighted, and a green arrow points to the first row of the download table.

Download Item	PDF	eGuide	Version	Size (KB)
TI-Innovator™ Sketch			1.5	4,538
Guidebooks				
TI-Innovator™ Hub mit TI LaunchPad™ Board Konfiguration (Deutsch)		View	1.4	3,773
TI-Innovator™ Hub with TI LaunchPad™ Board Setup Guide		View	1.4	8,742
TI-Innovator™ Hub con placa TI LaunchPad™ Guía de Preparación (Español)		View	1.4	4,373
Hub TI-Innovator™ avec guide d'installation de la carte TI LaunchPad™ (French)		View	1.4	8,737
Hub TI-Innovator™ con scheda TI LaunchPad™ Guida alla configurazione (Italy)			1.4	8,733
TI-Innovator™ Hub met TI LaunchPad™ -kaart Installatiehandleiding (Nederlands)		View	1.4	3,944
TI-Innovator™ Setup Guide (Português)		View	1.4	3,947

Typically, the sketch file will be saved to the downloads folder or to the desktop. The location depends on your browser settings.

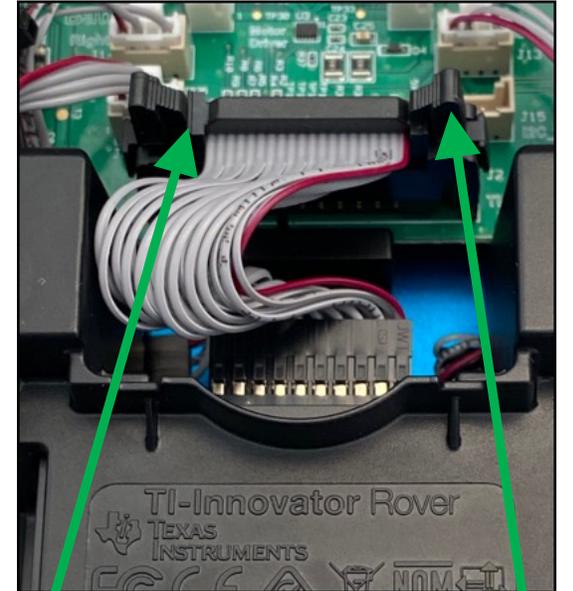
TI Rover users: Remove the Hub from the Rover.



Step 1: Disconnect the I2C Cable



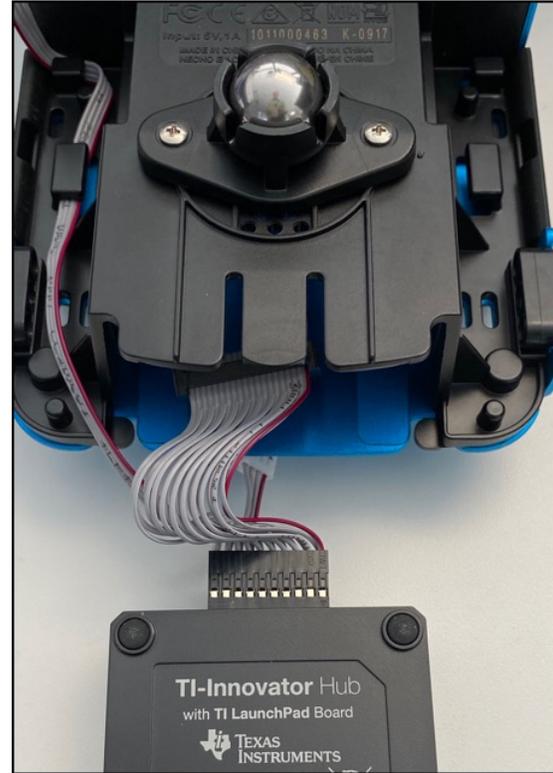
Step 2: Turn the Rover on its back.



Step 3: Push the cable connection clips to the outside to release the connection.

Note: See also [Getting your TI-Rover Ready to Roll](#)

TI Rover users: Remove the Hub from the Rover.



Step 4: Lift up the cable and push the TI-Innovator Hub out of the Rover.

Note: There is no need to disconnect the cable from the Hub.



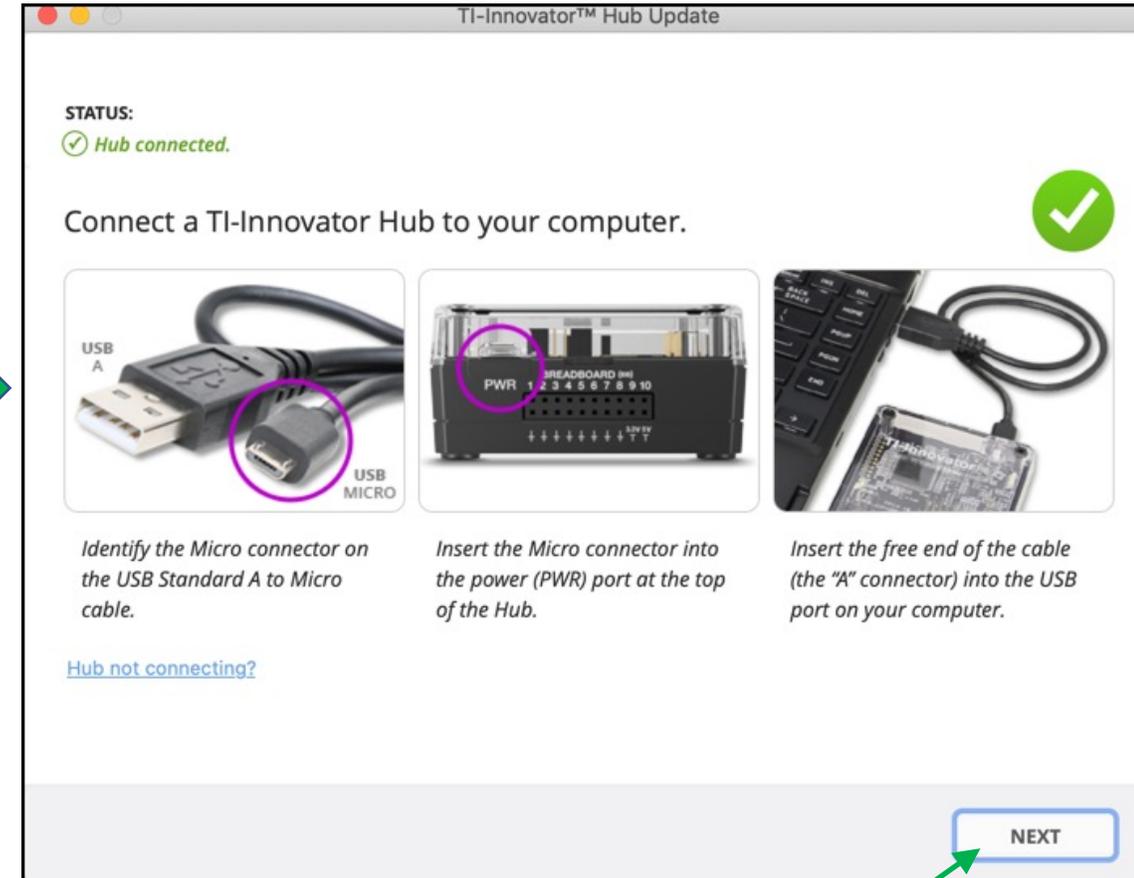
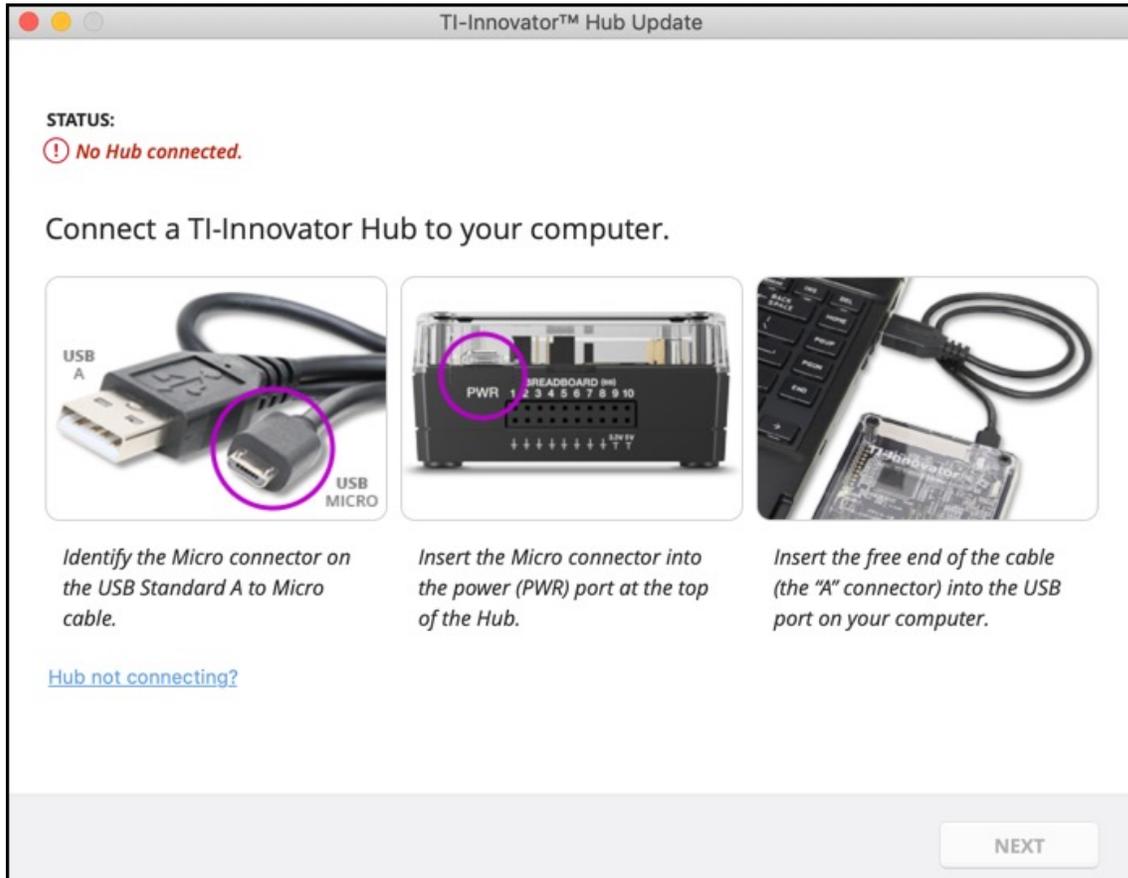
Your TI-Innovator Hub is ready to be updated.

Step 4: Open the TI-Innovator Hub Updater Software

Follow the directions in the dialog box.

Step 4A: Plug a USB Micro Cable into the PWR port of the Hub.

Note: The Micro cable has a smaller profile than the USB Mini cable that plugs into the Hub Data port or into the calculator.



Select NEXT

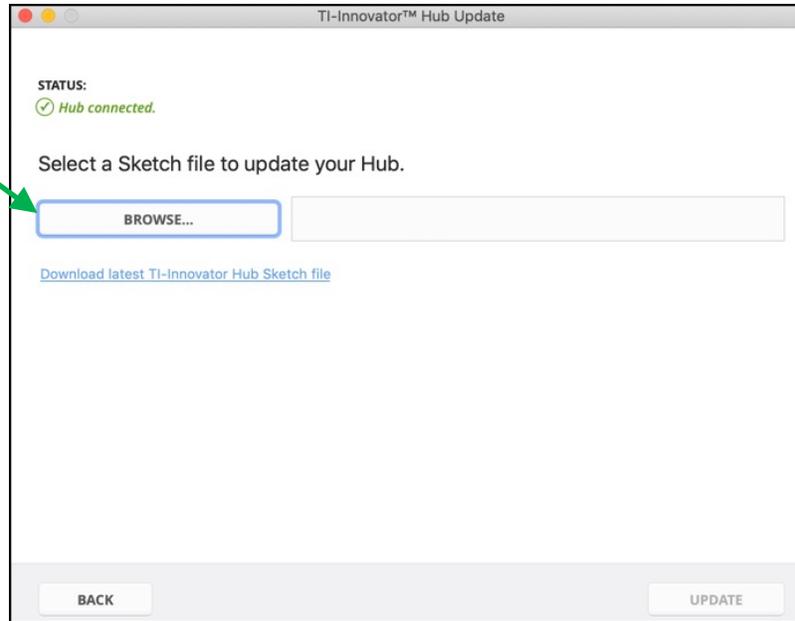
Step 4: Open the TI-Innovator Hub Updater Software

Follow the directions in the dialog box.

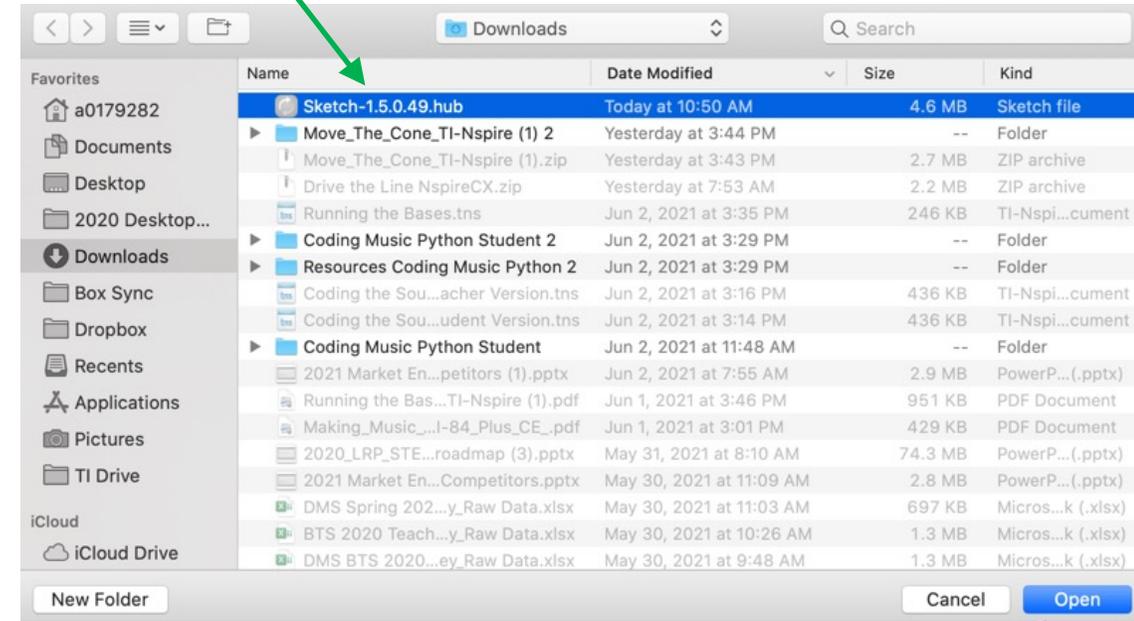
Step 4B: Browse to the Sketch file and then select the file in the dialogue.



Select
Browse



Click on the Sketch file

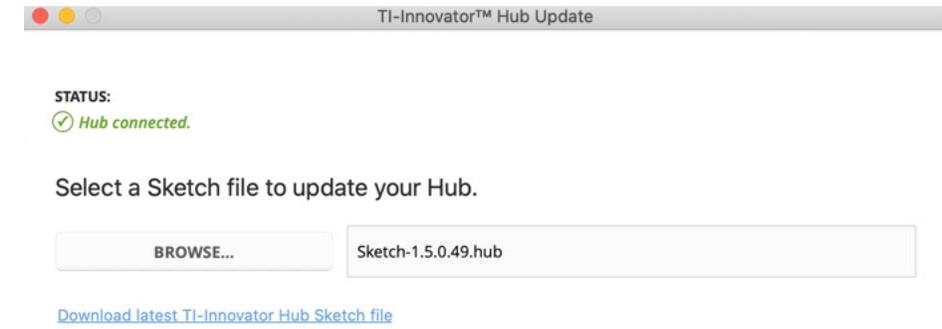
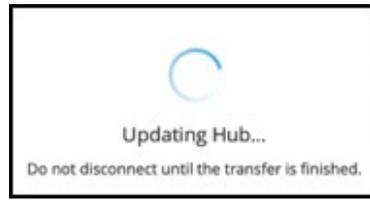
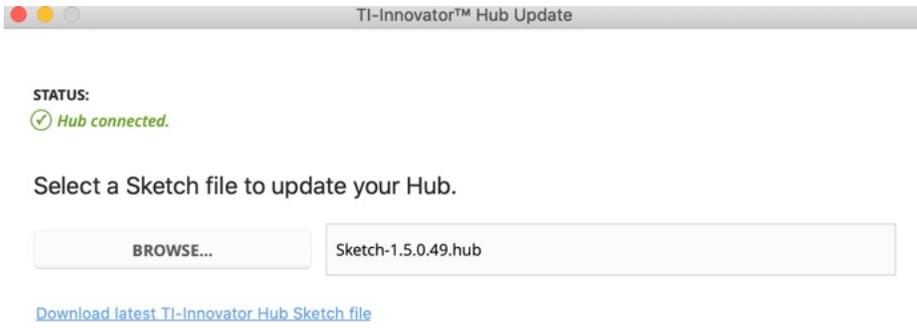


Select Open

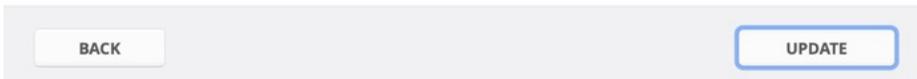
Step 4: Open the TI-Innovator Hub Updater Software

Follow the directions in the dialog box.

Step 4C: Update your TI-Innovator Hub with the selected Sketch file.



Hub successfully updated!
You can disconnect your Hub and update another.

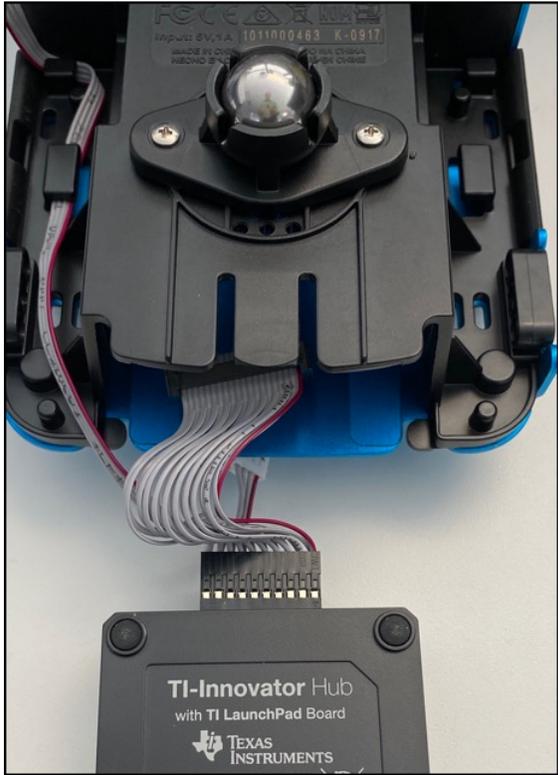


Select UPDATE

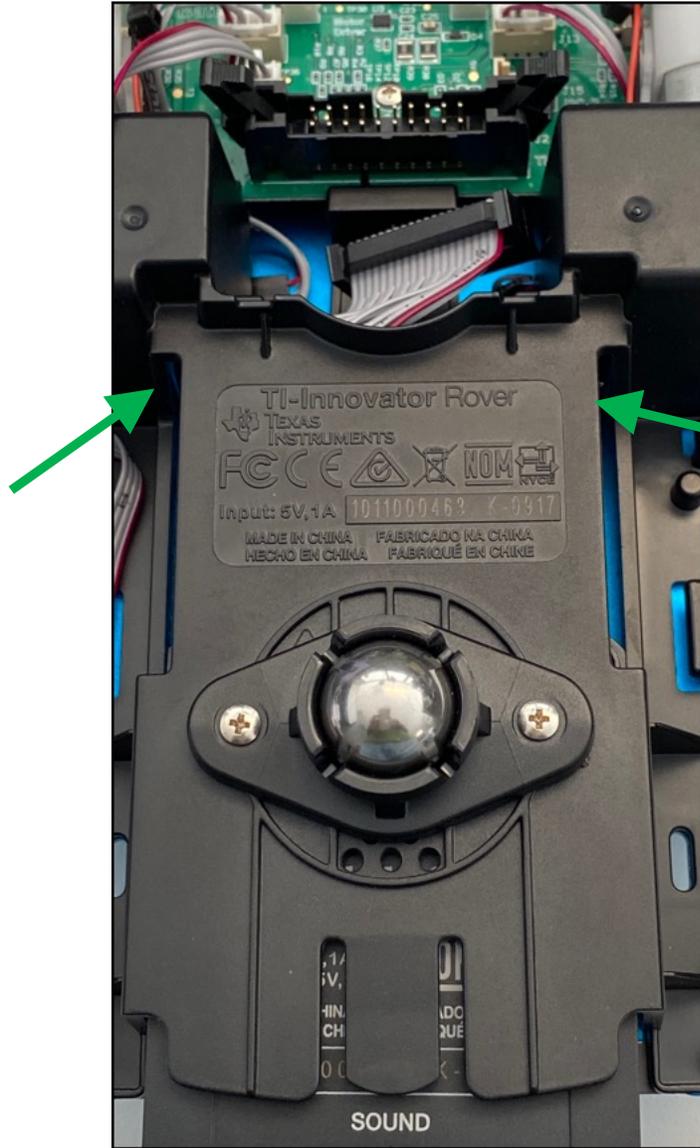


Connect another Hub and select UPDATE or close the Updater application.

TI Rover users: Reconnect the TI-Innovator Hub to the Rover.



Step 1: Push the TI-Innovator Hub into the slot cable first.



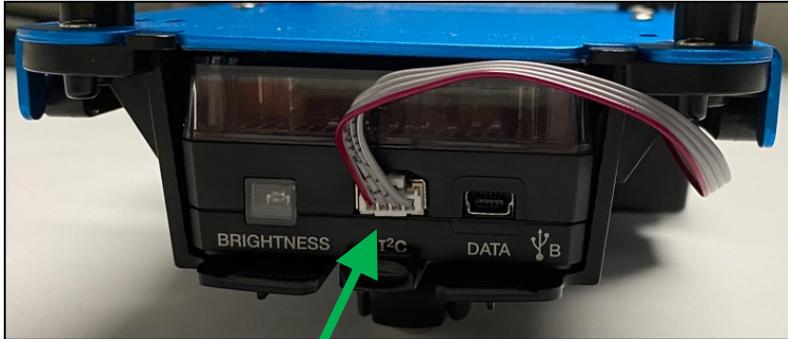
Use your fingers to manipulate the cable into position.



Step 2: Push the connector onto the pins. The clips on the side will lock the connection.

Note: See also [Getting your TI-Rover Ready to Roll](#)

TI Rover users: Reconnect the TI-Innovator Hub to the Rover.



Step 3: Reconnect the I2C Cable



Your TI-Rover is updated and ready to roll again.