

# 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

TI-84 Plus CE  
and CE Python

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

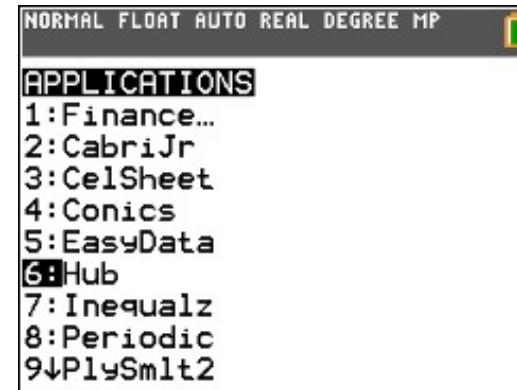
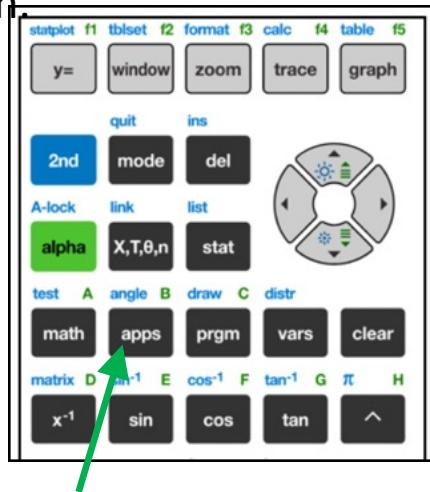
As the Hub powers up you will see a colored light for a few seconds.

**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.



Select 6: Hub from the Apps menu

Press the [apps] key



The Sketch version is displayed.

## Step 1: Check your TI-Innovator Hub sketch version

TI-Nspire CX  
and CXII

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

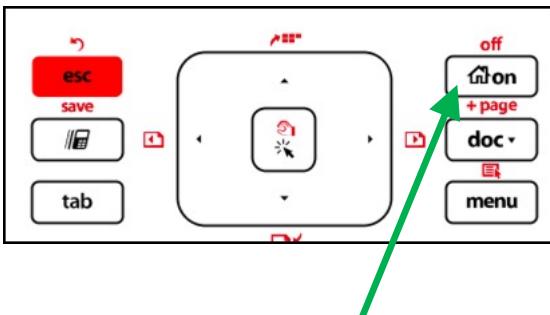
As the Hub powers up you will see a colored light for a few seconds.

**Magenta** is the color for the Version 1.4 Sketch.

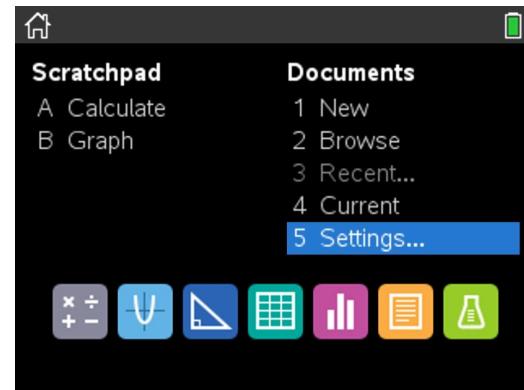
**Orange** is the color for the Version 1.5 Sketch (March 2021).



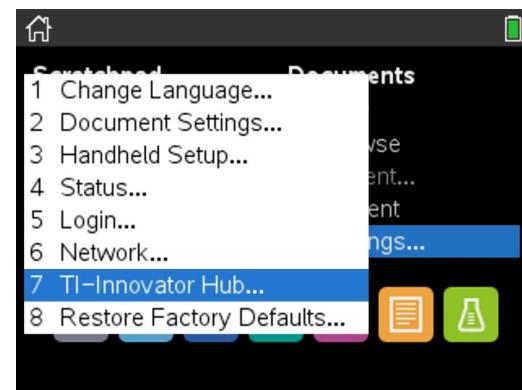
After connecting the TI-Innovator Hub with a unit-to-unit cable, you can also check the Hub sketch version by pressing the [Home/on] key followed by 5:Settings then 7:selecting the Hub app from the menu. The sketch version will be displayed in the dialogue box.



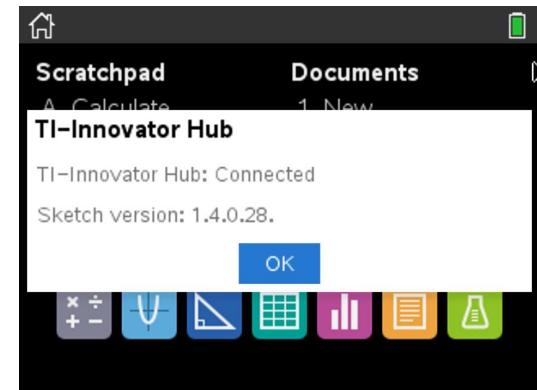
Press the [Home/on] key



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.



Windows

Mac

The screenshot shows the Texas Instruments Education Technology website. The navigation bar includes links for Products, Downloads, Activities, Professional Development, Resources, Customer Support, Where to Buy, About Us, and Site Selection (US and Canada). The main content area is titled "Software, OS Updates and Apps" and features a sub-section for "TI-Innovator™ Hub Update Software". A note instructs users to "Read the License" before downloading. Below this, a table lists three download items:

Download Item	Version	Size (KB)
<a href="#">TI-Innovator™ Hub Update Software for Windows® (EXE)</a>	1.0	91,378
<a href="#">TI-Innovator™ Hub Update Software for Windows® (MSI)</a>	1.0	85,043
<a href="#">TI-Innovator™ Hub Update Software for Macintosh®</a>	1.0	15,025

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 Texas Instruments Education Technology website. A green arrow points from the text 'Download Sketch' to the 'TI-Innovator™ Sketch' download link in the main content area. The main content area includes a 'Software, OS Updates and Apps' section with tabs for 'Software, OS Updates and Apps', 'Guidebooks', and 'Activities'. Below this, there's a note about reading the license. The 'TI-Innovator™ Sketch' download table has columns for 'Download Item', 'PDF', 'eGuide', 'Version', and 'Size (KB)'. The table shows one item: 'TI-Innovator™ Sketch' (Version 1.5, 4,538 KB). Below this is a 'Guidebooks' section with links to various setup guides in different languages (Deutsch, Español, French, Italian, Nederlands, Português).

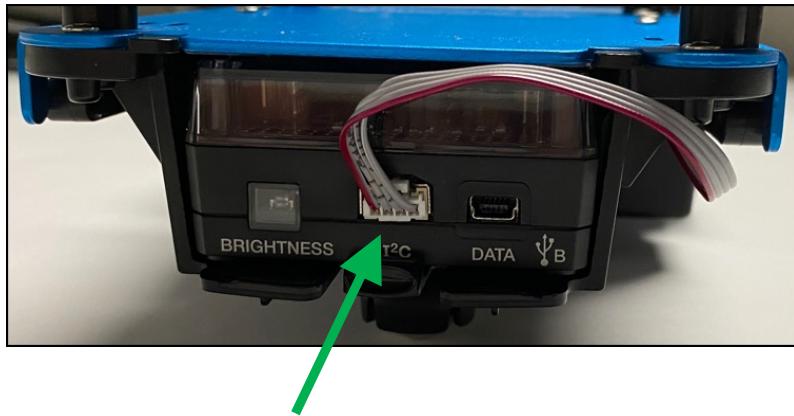
Download Item	PDF	eGuide	Version	Size (KB)
<a href="#">TI-Innovator™ Sketch</a>			1.5	4,538

Guidebooks

<a href="#">TI-Innovator™ Hub mit TI LaunchPad™ Board Konfiguration (Deutsch)</a>		<a href="#">View</a>	1.4	3,773
<a href="#">TI-Innovator™ Hub with TI LaunchPad™ Board Setup Guide</a>		<a href="#">View</a>	1.4	8,742
<a href="#">TI-Innovator™ Hub con placa TI LaunchPad™ Guía de Preparación (Español)</a>		<a href="#">View</a>	1.4	4,373
<a href="#">Hub TI-Innovator™ avec guide d'installation de la carte TI LaunchPad™ (French)</a>		<a href="#">View</a>	1.4	8,737
<a href="#">Hub TI-Innovator™ con scheda TI LaunchPad™ Guida alla configurazione (Italy)</a>		<a href="#">View</a>	1.4	8,733
<a href="#">TI-Innovator™ Hub met TI LaunchPad™ -kaart Installatiehandleiding (Nederlands)</a>		<a href="#">View</a>	1.4	3,944
<a href="#">TI-Innovator™ Setup Guide (Português)</a>		<a href="#">View</a>	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.

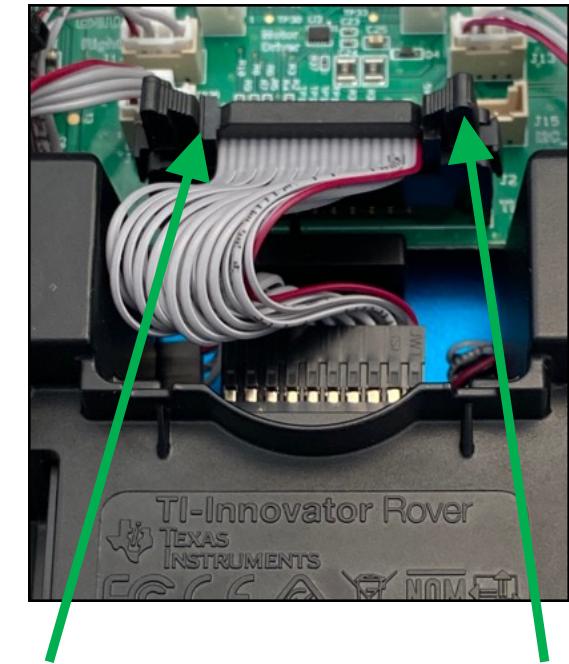
## TI Rover users: Remove the Hub from the Rover.



Step 1: Disconnect the I2C Cable



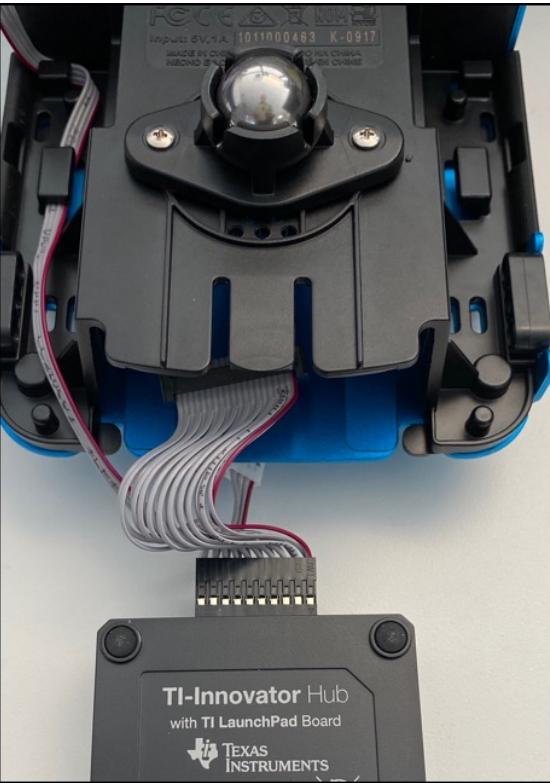
Step 2: Turn the Rover on its back.



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.



TI-Innovator Hub Update Software

### 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.

TI-Innovator™ Hub Update

STATUS:  
! No Hub connected.

Connect a TI-Innovator Hub to your computer.

Identify the Micro connector on the USB Standard A to Micro cable.  
Insert the Micro connector into the power (PWR) port at the top of the Hub.  
Insert the free end of the cable (the "A" connector) into the USB port on your computer.

[Hub not connecting?](#)

NEXT



TI-Innovator™ Hub Update

STATUS:  
✓ Hub connected.

Connect a TI-Innovator Hub to your computer.

Identify the Micro connector on the USB Standard A to Micro cable.  
Insert the Micro connector into the power (PWR) port at the top of the Hub.  
Insert the free end of the cable (the "A" connector) into the USB port on your computer.

[Hub not connecting?](#)

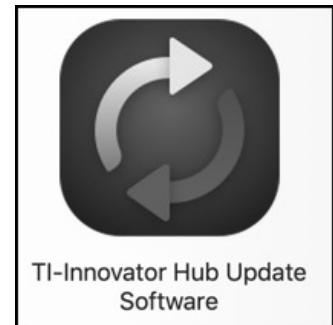
NEXT

Select NEXT

## Step 4: Open the TI-Innovator Hub Updater Software

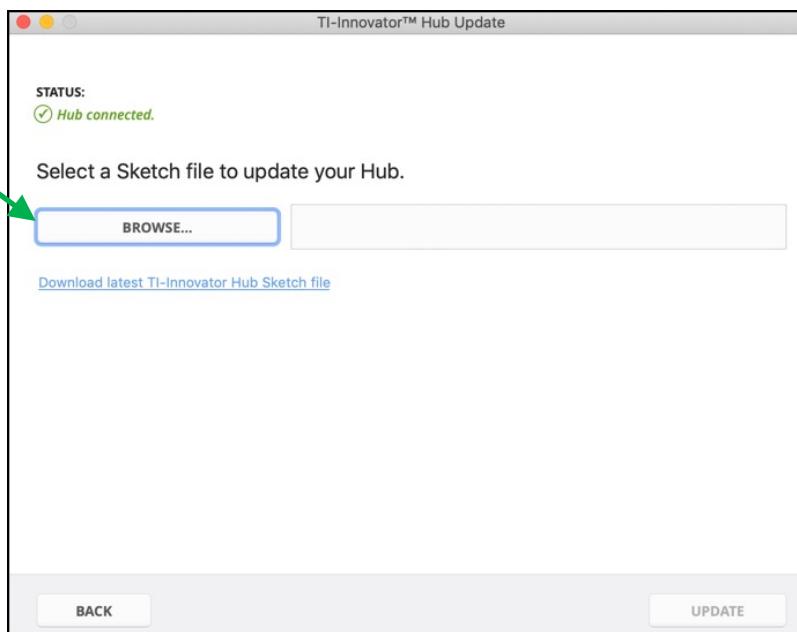
Follow the directions in the dialog box.

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

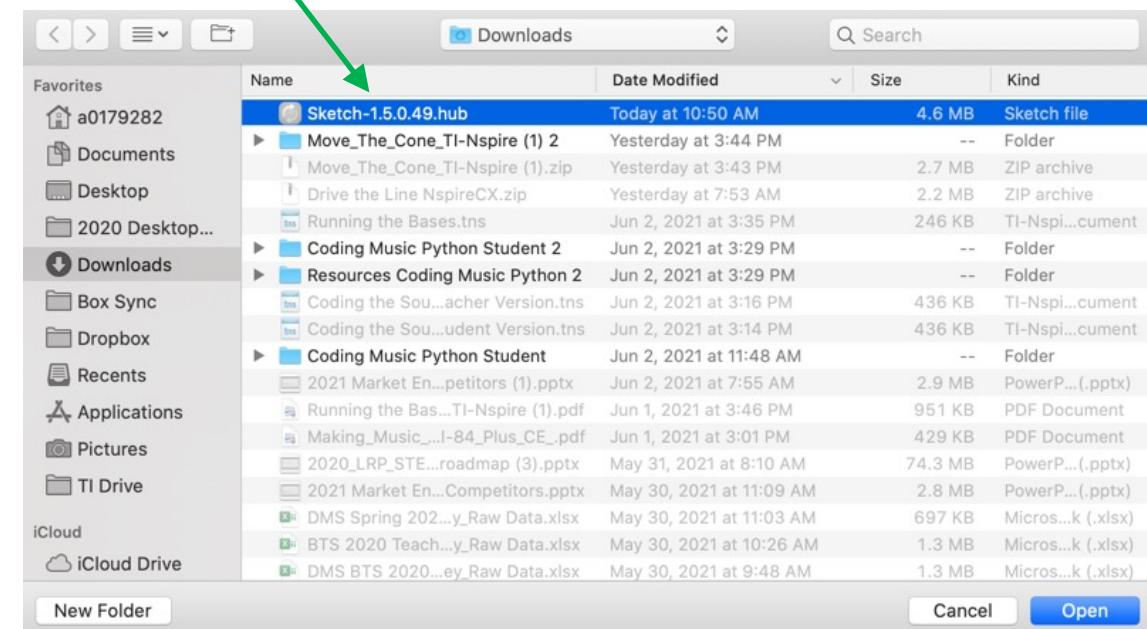


TI-Innovator Hub Update  
Software

Select  
Browse



Click on the Sketch file



Select Open

## Step 4: Open the TI-Innovator Hub Updater Software

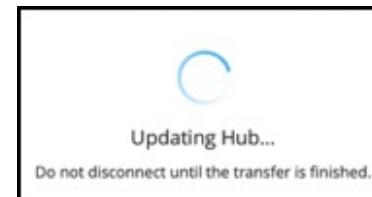
Follow the directions in the dialog box.

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



TI-Innovator Hub Update  
Software

The screenshot shows the 'TI-Innovator™ Hub Update' window. The 'STATUS:' section indicates 'Hub connected.' Below it, a message says 'Select a Sketch file to update your Hub.' A 'BROWSE...' button and a text input field containing 'Sketch-1.5.0.49.hub' are visible. At the bottom left is a link 'Download latest TI-Innovator Hub Sketch file'.



The screenshot shows the 'TI-Innovator™ Hub Update' window again. The 'STATUS:' section now shows a green checkmark and 'Hub connected.' The message 'Select a Sketch file to update your Hub.' remains. The 'BROWSE...' button and 'Sketch-1.5.0.49.hub' text input field are still present. At the bottom right is a green circular icon with a white checkmark and the text 'Hub successfully updated! You can disconnect your Hub and update another.'

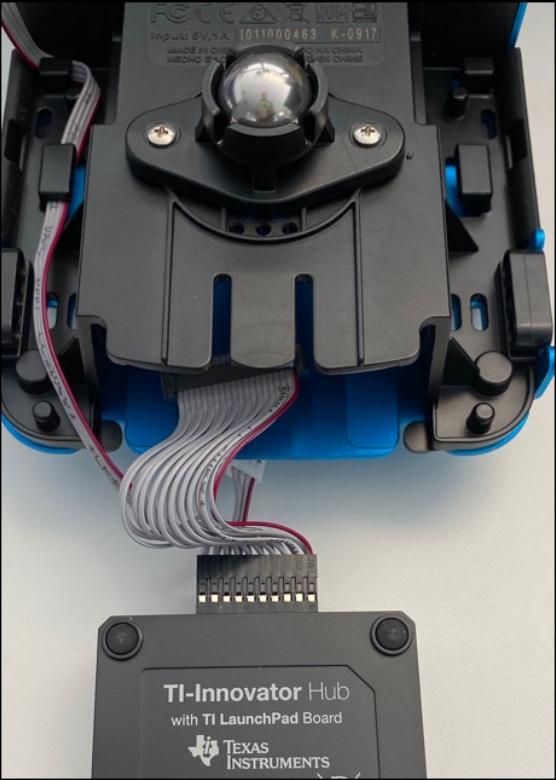
A screenshot of the software interface with a green arrow pointing to the 'UPDATE' button in the center toolbar. The 'BACK' button is on the far left.

Select UPDATE

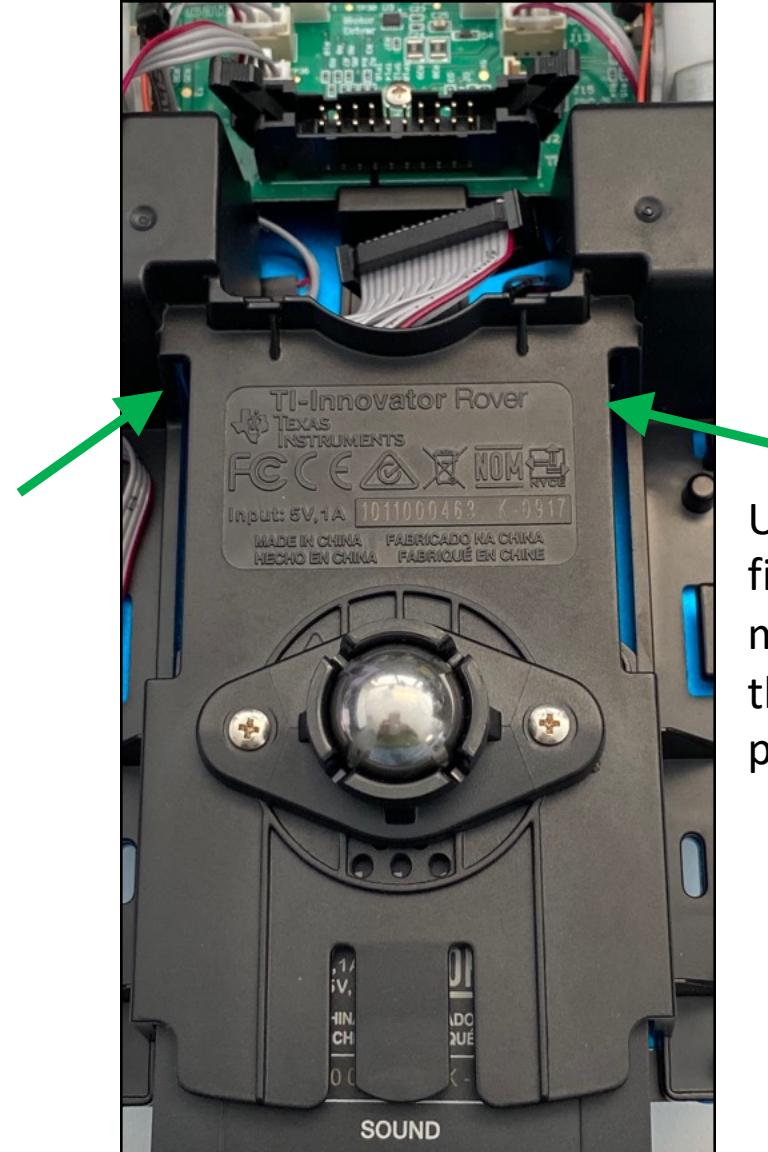
A screenshot of the software interface with the 'UPDATE' button highlighted in blue in the center toolbar. The 'BACK' button is on the far left.

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

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



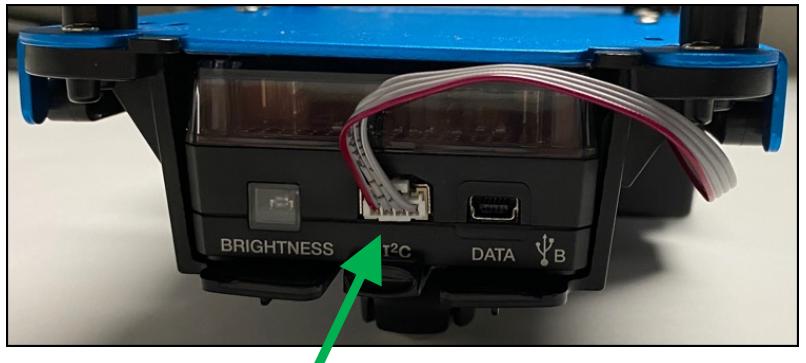
Step 1: Push the TI-Innovator Hub into the slot cable first.



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 I<sup>2</sup>C Cable



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