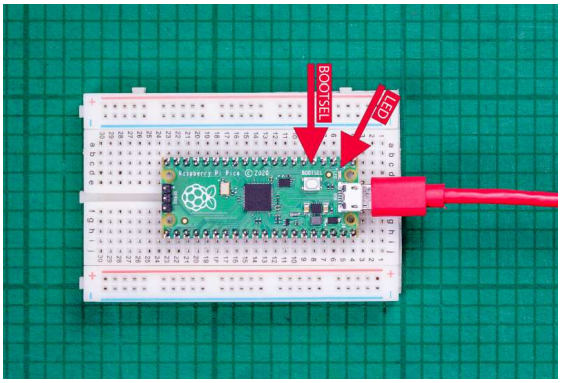
Raspberry Pi Pico Programming

Loading a new software image into the Raspberry Pi Pico requires only a computer and a micro USB cable.

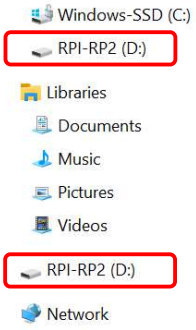
1. Turn off the power to the RK05 Emulator and remove the Raspberry Pi Pico module from its socket in the RK05 emulator.

2. Before plugging in the micro USB cable, hold down the BOOTSEL button on the Raspberry Pi Pico module. Then plug the micro USB cable into the USB connector on the Raspberry Pi Pico module while still holding the BOOTSEL button.



It's not necessary to plug the Raspberry Pi Pico module into a proto board as shown in the photo. It is sufficient to connect only the micro USB cable to the Pico module. No external power or any other connection is needed for programming.

3. The computer will recognize the Raspberry Pi Pico module as a mass storage device and the new drive will appear in the file manager or Windows Explore. Now release the BOOTSEL button.



4. Drag and drop the uf2 binary image file to the drive that was mounted in the previous step.
5. After the file has been copied, the drive will automatically unmount and will disappear from the file manager or Windows Explore.
6. Unplug the micro USB cable from the Raspberry Pi Pico module and plug the Raspberry Pi Pico module back into the RK05 Emulator. Do not leave the micro USB cable connected while plugging the Raspberry Pi Pico module back into the RK05 Emulator.
7. Apply power to the RK05 Emulator and it should operate normally. If a terminal or terminal emulator is attached to the debug port on the RK05 Emulator then the software version will appear in the boot-up message.