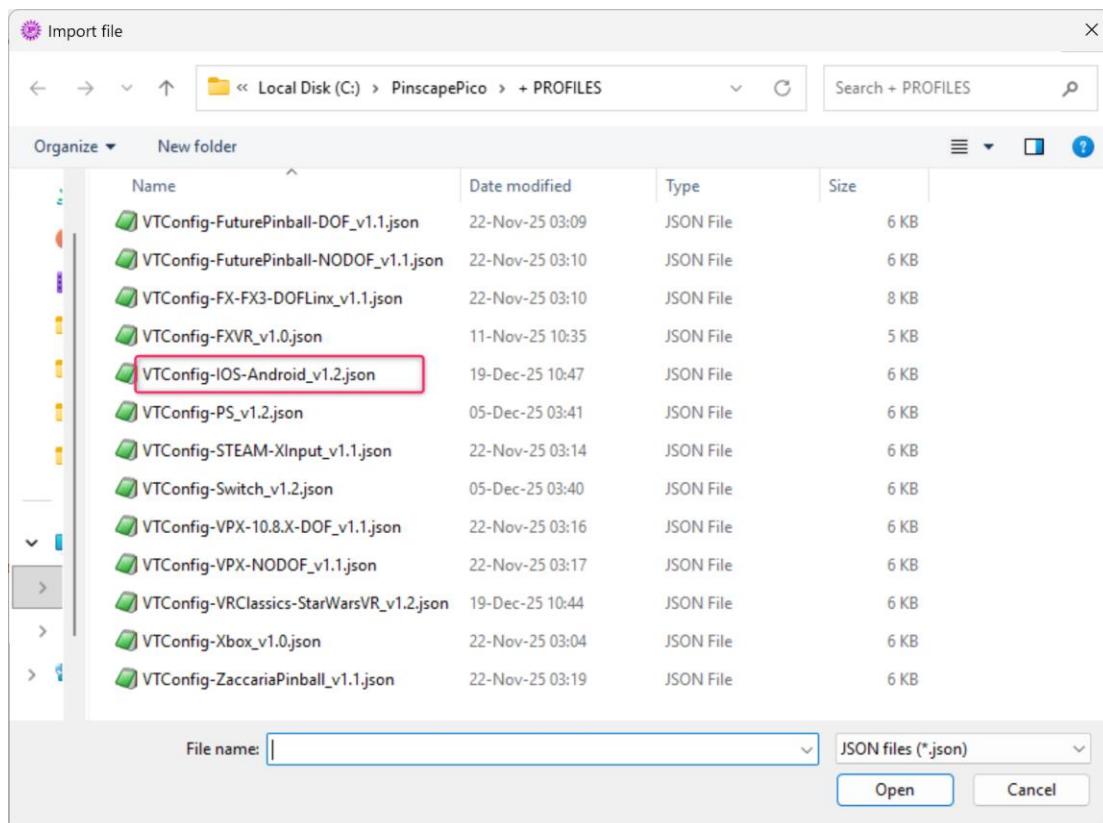
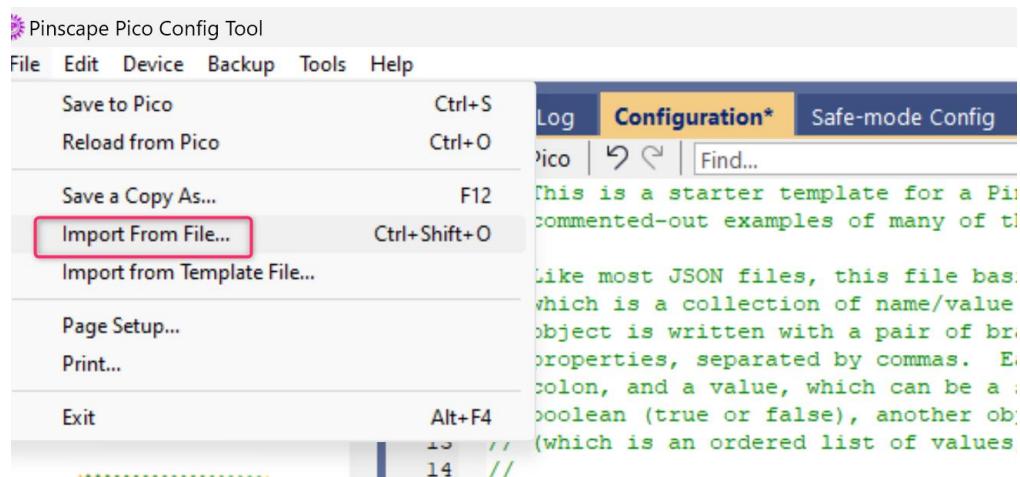


## VIRTUATILT – IOS / ANDROID SETUP GUIDE

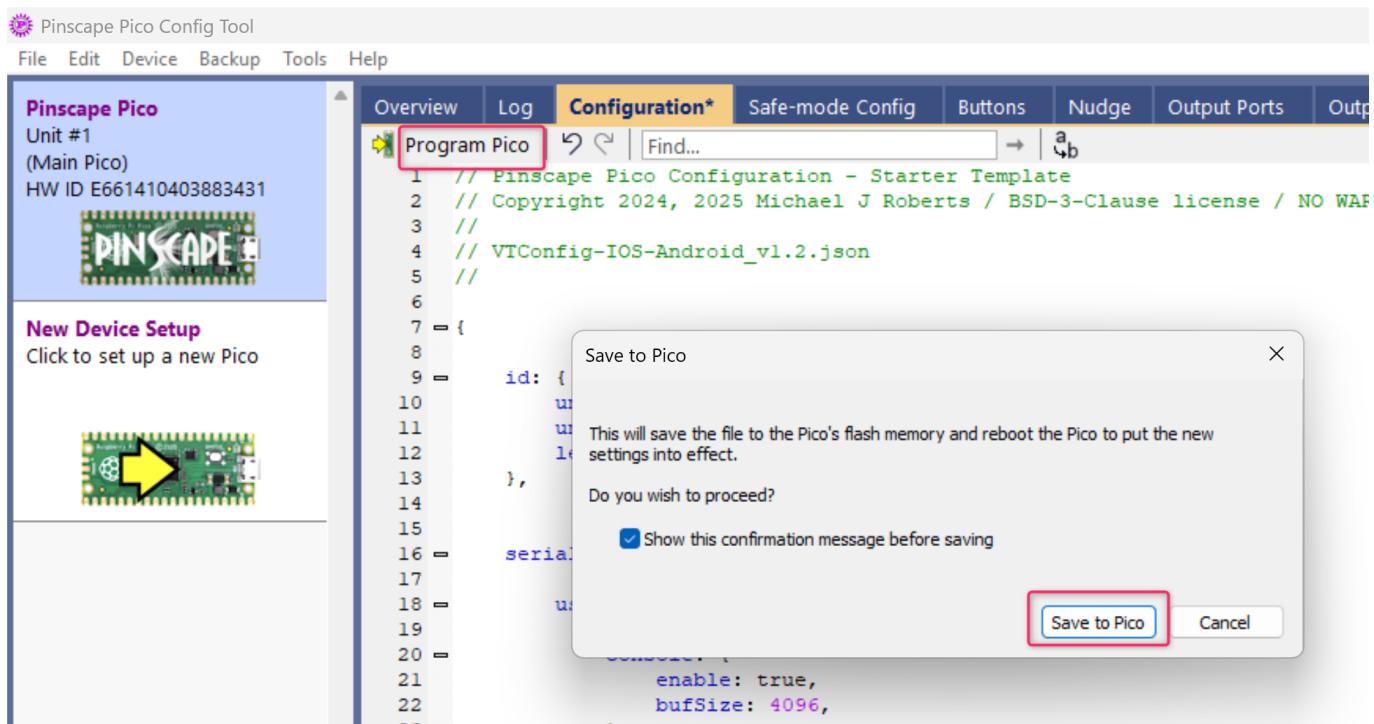
Following some basic instructions to set up your new VirtuaTilt for IOS and Android systems.

### Load Profile

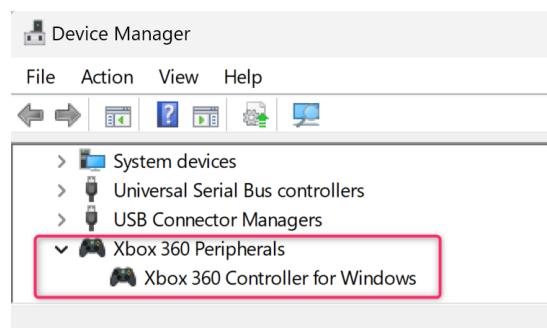
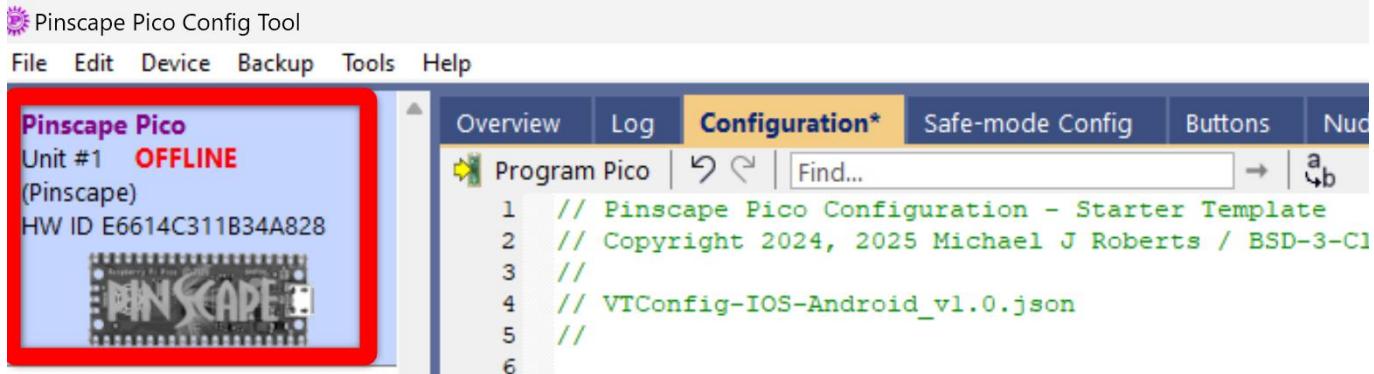
Load **VTConfig-IOS-Android\_v1.X.json** profile in **Pinscape Pico Config Tool**:



Click on “Program Pico” to save new configuration:



**NOTE: Once this profile is loaded, Pico will go offline because the Windows X-Input device driver now is claiming exclusive access to the device, preventing anyone from seeing its other USB interfaces:**



# 3DPTronics

## Restore Profile

VirtuaTilt RP2040 – IOS/Android Setup Guide v1.1

To load/restore a different profile keep **VirtuaTilt's Reset button** pressed for 2 seconds; device will reboot in **Factory mode**:

The screenshot shows the Pinscape Pico Config Tool interface. The left sidebar has a 'New Device Setup' section with a 'Click to set up a new Pico' button. The main area displays the 'Overview' tab with the following information:

- Pinscape Pico**: Unit #1 (Pinscape), HW ID E6614C311B5E0622.
- Virtual LedWiz ID 1**.
- Pinscape firmware version 1.0.0, build 202510231210**.
- Target board: Pico**.
- Hardware ID: E6614C311B5E0622**.
- CPU: RP2040, Version: 2, ROM: 3 (RP2040-B2)**.
- Build environment: Pico SDK 2.2.0, TinyUSB 0.18.0, GNUC 14.3.1**.

**Uptime**: Time since Pico reset: 84,454,446 us (1:24 minutes). Main loop iterations since reset: 3,834,089. Secondary core loops since reset: 49,562,213.

**USB Interfaces**: USB device identification: VID 1209, PID EAEB. Pinscape Vendor Interface: Configured (always present). Pinscape Feedback Controller: Configured. LedWiz Protocol Emulation: Not Configured. Virtual COM port (CDC): Not Configured. Keyboard: Not Configured. Gamepad: Not Configured. Xbox Controller: Not Configured. Open Pinball Device: Not Configured.

**Recent main loop counters**: Iterations (recent rolling window): 90,888. Avg main loop time: 22 us. Max main loop time: 731 us.

**Recent secondary core loop counters**: Iterations (recent rolling window): 1,175,561. Avg main loop time: 1 us. Max main loop time: 12 us.

**Memory**: Heap memory size: 209,560 bytes. Heap unused: 184,320 bytes. Malloc arena size: 25,240. Arena in use: 22,120. Arena unused: 3,120. Total free memory: 187,440.

On the right, there is a detailed pinout diagram for the Raspberry Pi Pico. The diagram shows the 40-pin header with pins labeled from GP0 to GP15, VBUS, VSYS, GND, 3V3\_EN, 3V3\_OUT, ADCVREF, GP28, GP27, GP26, GP25, GP24, GP23, GP22, GP21, GP20, GP19, GP18, GP17, GP16, and DEBUG. The central chip is labeled RPI2-B0 20/21 PG-4M15.00 TFT. A small image of the Raspberry Pi Pico board is also shown.

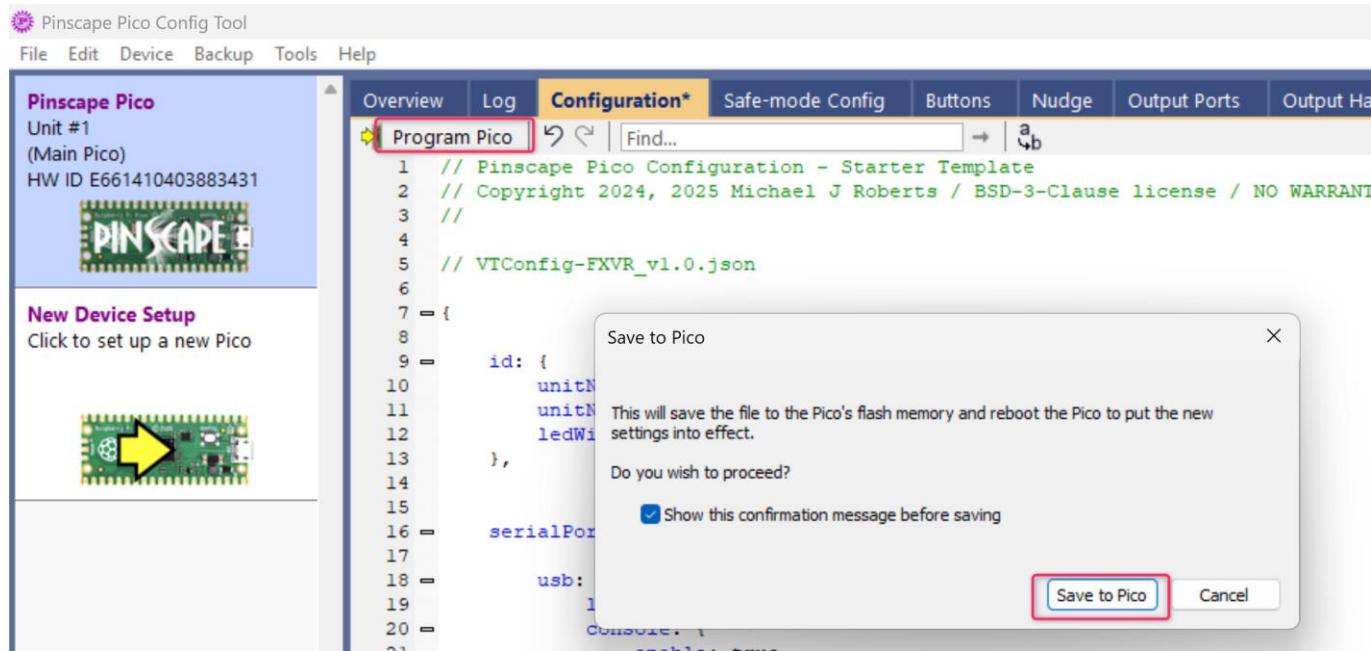
Go to **Configuration** → **File** → **Import From File** and choose the profile you need:

The screenshot shows the 'File' menu of the Pinscape Pico Config Tool. The 'Import From File...' option is highlighted with a red box. The menu items are:

- Save to Pico
- Reload from Pico
- Save a Copy As... F12
- Import From File... Ctrl+Shift+O (highlighted)
- Import from Template File...
- Page Setup...
- Print...
- Exit Alt+F4

On the right, a portion of the configuration interface is visible, showing tabs for Log, Configuration (which is selected), Safe-m, and Find... There is also a status bar with 'Pico' and some icons.

Click on “Program Pico” to save new configuration and you’re done:



That's it, enjoy!

## Default Buttons Mapping

This is the default buttons mapping for IOS/Android profile. You can of course change assignments in Pinscape Pico Config Tool.

