

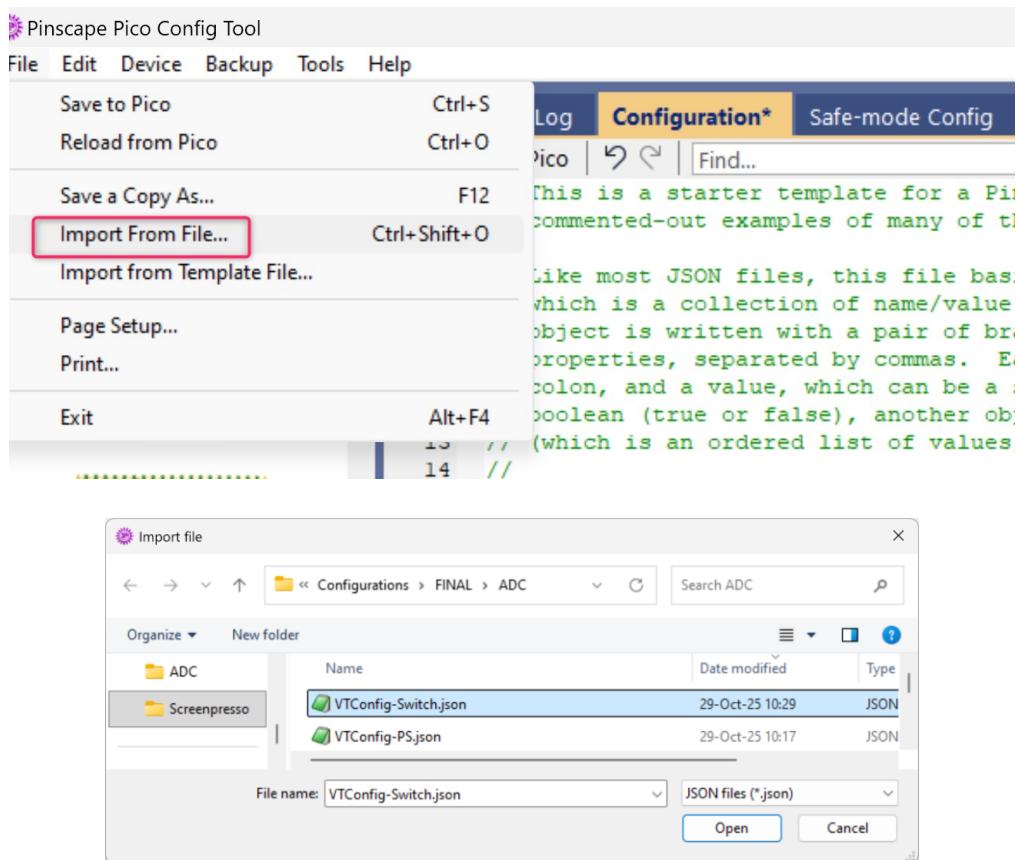
VIRTUATILT – Switch SETUP GUIDE

Following some basic instructions to set up your new VirtuaTilt for Switch systems.

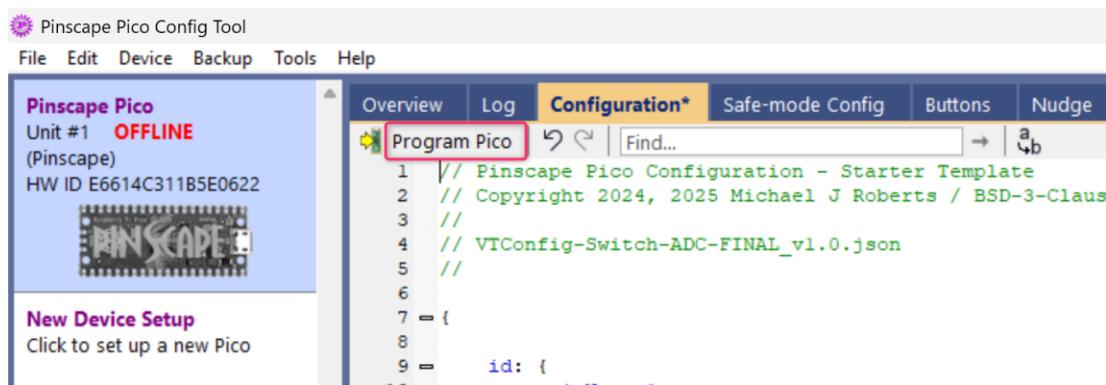
IMPORTANT NOTE: You need a proper USB dongle to make VirtuaTilt compatible with above devices. If you connect directly, it won't be recognized as a controller.

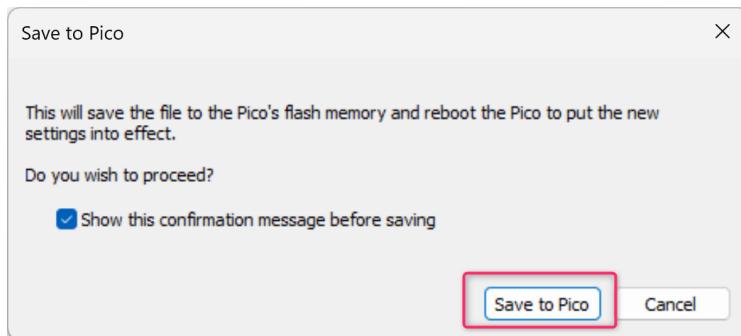
Load Profile

Load **VTConfig-Switch.json** profile in **Pinscape Pico Config Tool**:

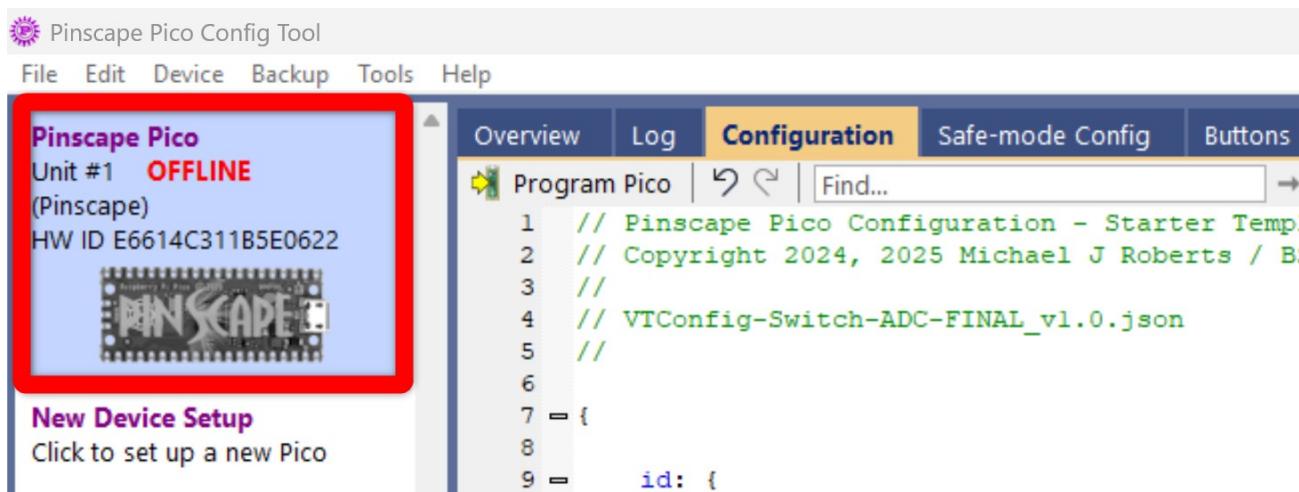


Click on “**Program Pico**” to save new configuration:



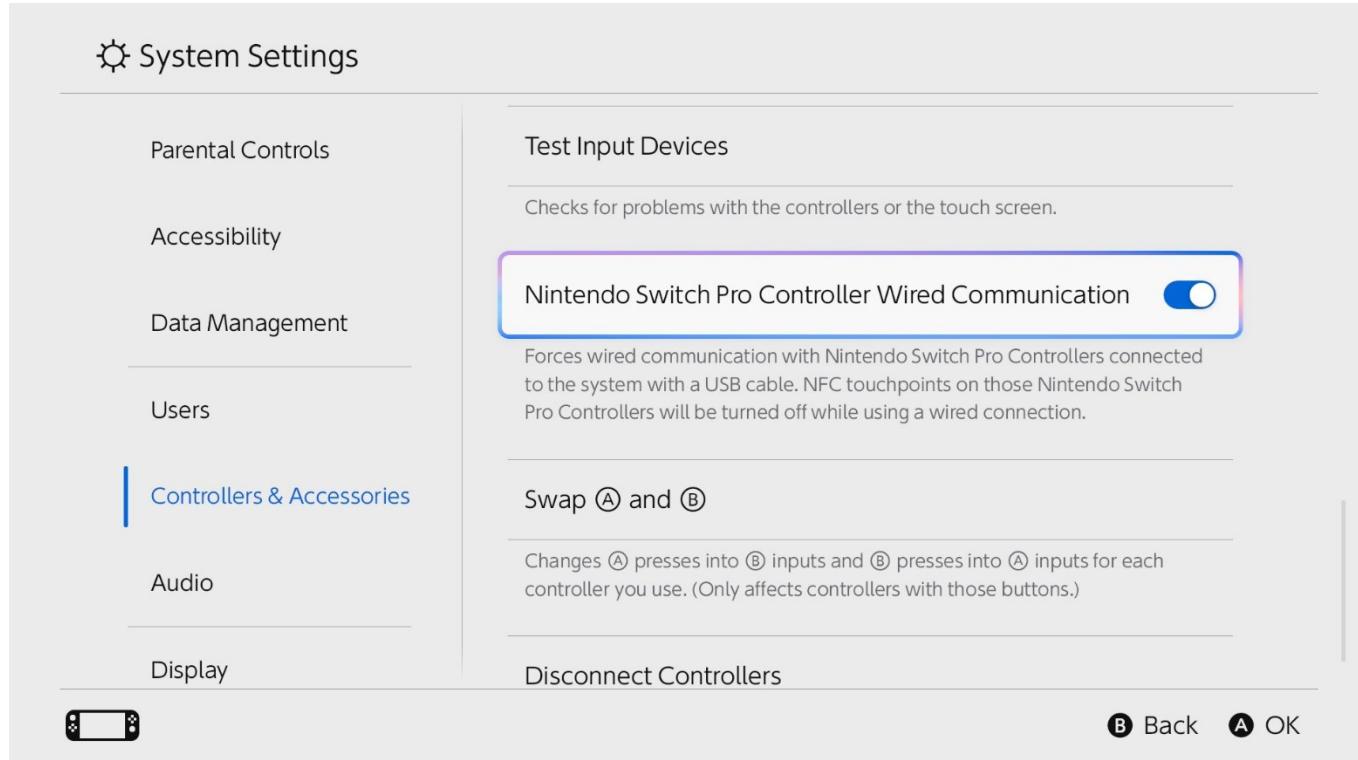


NOTE: Once this profile is loaded, Pico will go offline because the Windows X-Input device driver now is claiming exclusive access to the device, preventing anyone from seeing its other USB interfaces:



System/Games Settings

Select the following option in **System Settings → Controllers & Accessories**:



The screenshot shows the 'System Settings' menu. On the left, there's a sidebar with icons for Parental Controls, Accessibility, Data Management, Users, and 'Controllers & Accessories'. Below the sidebar are icons for Audio and Display. The main area shows 'Test Input Devices' with a note about checking for controller/touch screen problems. Under 'Controllers & Accessories', there are three options: 'Nintendo Switch Pro Controller Wired Communication' (which is turned on, indicated by a blue switch), 'Swap Ⓢ and Ⓣ' (which changes button assignments), and 'Disconnect Controllers'. At the bottom right are 'B Back' and 'A OK' buttons.

- Parental Controls
- Accessibility
- Data Management
- Users
- Controllers & Accessories**
- Audio
- Display

Nintendo Switch Pro Controller Wired Communication

Forces wired communication with Nintendo Switch Pro Controllers connected to the system with a USB cable. NFC touchpoints on those Nintendo Switch Pro Controllers will be turned off while using a wired connection.

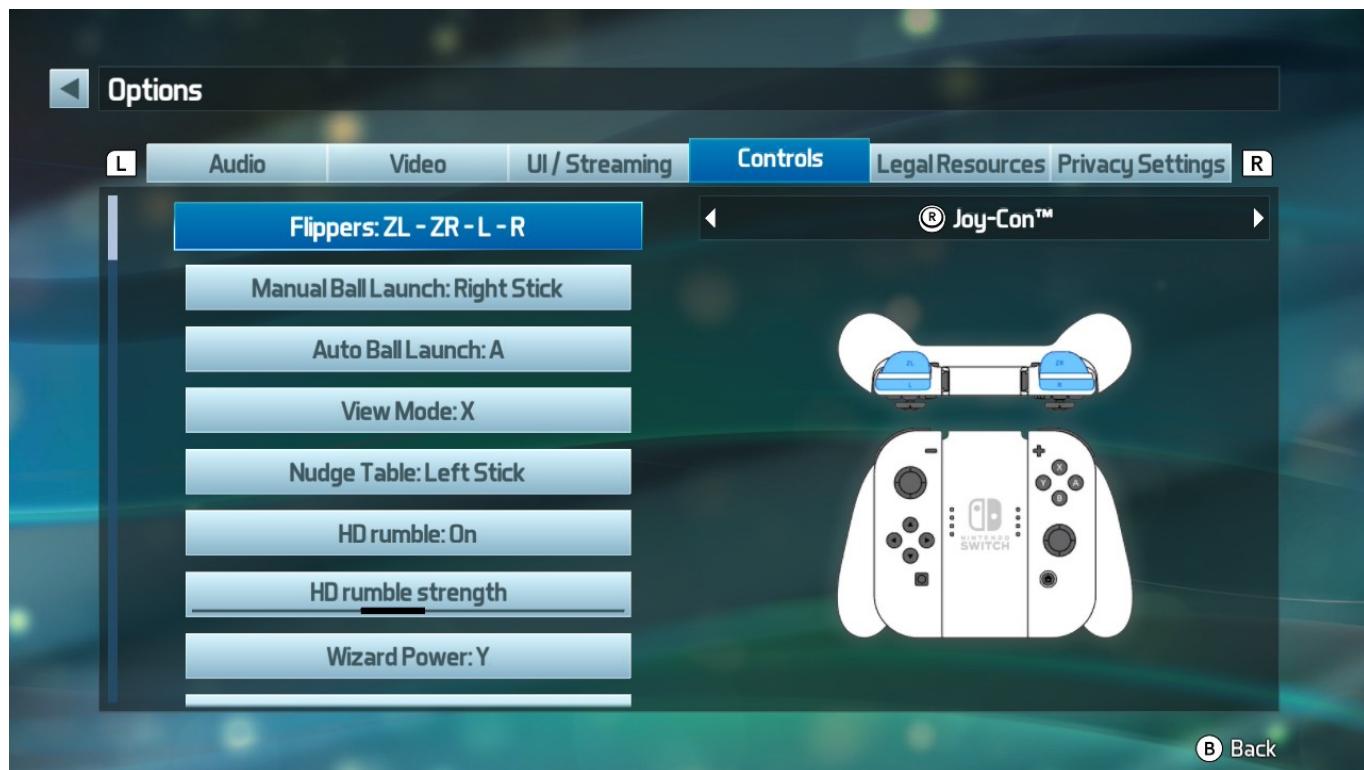
Swap Ⓢ and Ⓣ

Changes Ⓢ presses into Ⓣ inputs and Ⓣ presses into Ⓢ inputs for each controller you use. (Only affects controllers with those buttons.)

Disconnect Controllers

B Back **A** OK

PinballFX 3 settings:



The screenshot shows the 'Options' menu for PinballFX 3. The top navigation bar includes 'L', 'Audio', 'Video', 'UI / Streaming', 'Controls' (which is highlighted in blue), 'Legal Resources', 'Privacy Settings', and 'R'. The 'Controls' tab is currently active, displaying settings for the Joy-Con controller. A list of controls includes 'Flippers: ZL - ZR - L - R', 'Manual Ball Launch: Right Stick', 'Auto Ball Launch: A', 'View Mode: X', 'Nudge Table: Left Stick', 'HD rumble: On', 'HD rumble strength' (with a slider bar), and 'Wizard Power: Y'. To the right of the list is an image of a Joy-Con controller. At the bottom right are 'B Back' and 'A OK' buttons.

Flippers: ZL - ZR - L - R

Manual Ball Launch: Right Stick

Auto Ball Launch: A

View Mode: X

Nudge Table: Left Stick

HD rumble: On

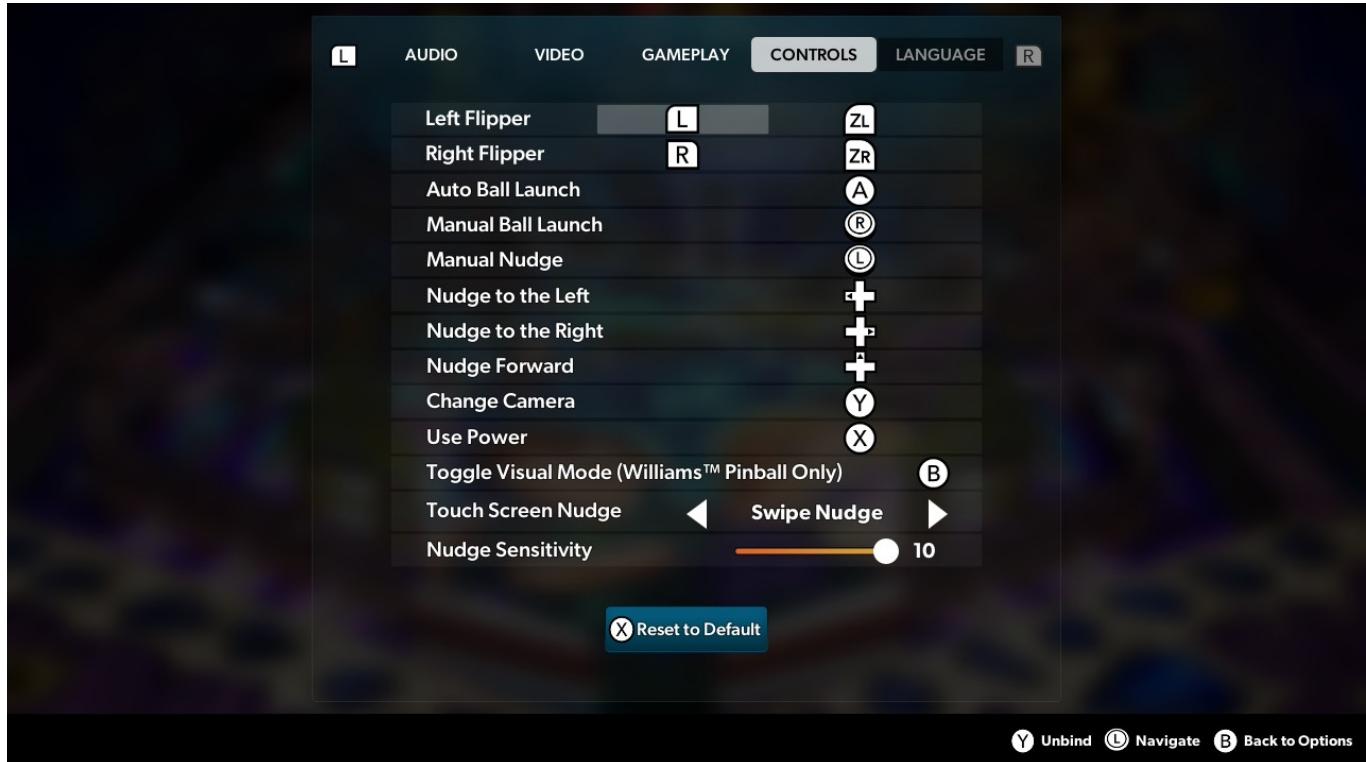
HD rumble strength

Wizard Power: Y

Joy-Con™

B Back **A** OK

PinballFX settings:



Pinball M settings:



The Pinball Arcade settings:



3DPTronics

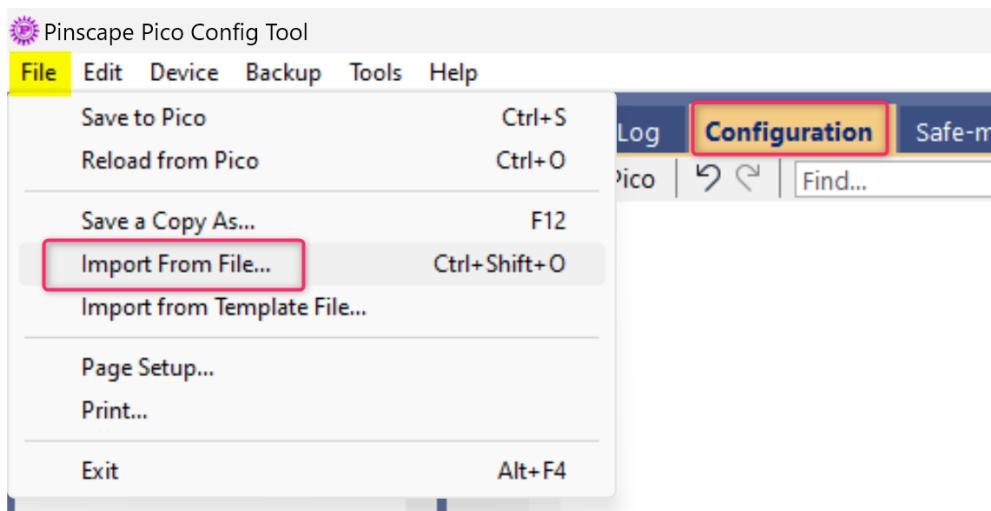
Restore Profile

VirtuaTilt RP2040 – Switch Setup Guide v1.0

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. On the left, there's a sidebar with a 'New Device Setup' section and a small icon of a Pico board with a yellow arrow pointing right. The main area has tabs for Overview, Log, Configuration, Safe-mode Config, Buttons, Nudge, Output Ports, Output Hardware, Plunger, and IR & TV ON. The Overview tab is active, displaying device details like HW ID, Vendor, and Firmware version, along with uptime statistics and USB interface configurations. To the right of the software is a detailed pinout diagram of a Raspberry Pi Pico board, showing all 40 pins labeled with their corresponding GP numbers and colors.

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



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

 Pinscape Pico Config Tool

File Edit Device Backup Tools Help

Pinscape Pico

Unit #1
(Main Pico)
HW ID E6614C311B34A828

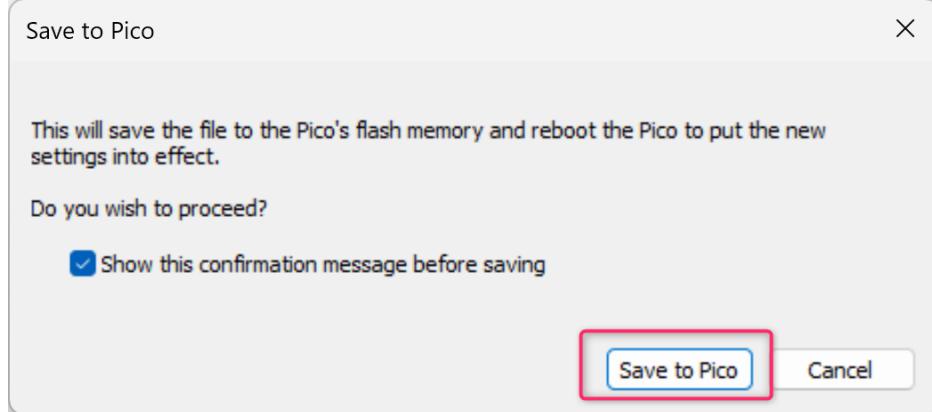


New Device Setup
Click to set up a new Pico

Configuration*

Program Pico

```
1 // Pinscape Pico Configuration - Starter Template
2 // Copyright 2024, 2025 Michael J Roberts / BSD-3-Clause licen
3 //
4 // VTConfig-IOS-Android_v1.0.json
5 //
6
7 = {
8
9 =     id: {
10         unitNum: 1.
```



That's it, enjoy!

Default Buttons Mapping

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

