Nintendo Switch





Nintendo Switch Control Library - Create controller macros using Arduino Leonardo

♣ TheStonedModder · • Yesterday at 12:24 PM · 🐴 694 · • • 4 · 👍 4



TheStonedModder

OP

Member



Nintendo Switch Control Library - Create controller macros using Arduino Leonardo







his project by creating some documentation/resources in English.

Spoiler: IDE Setup

For this guide you will need the following:

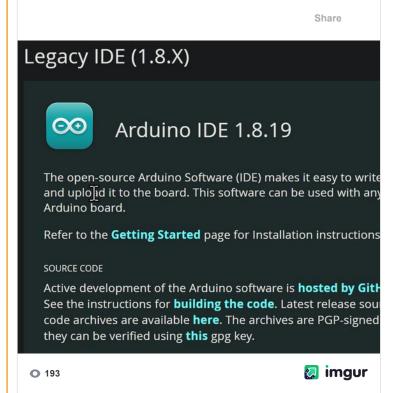
An Arduino Leonardo (I use this one)

Nintendo Switch Control Library (found in Arduino IDE)

This guide will be done using windows, if you would like to learn how to use OSX I recommend checking out this blog post from the creator of the Library we are using @lefmarna

Install Legacy Arduino IDE 1.8.x(Download) Do not install Arduino 2.x.x! as it currently does not function properly with this library.

т казе посе, таптности е е ессот от mantanier от спо вытагу, ин е есис доез со <u>степнатив</u> г че опну гесенау театнес авосте ило чана мансес

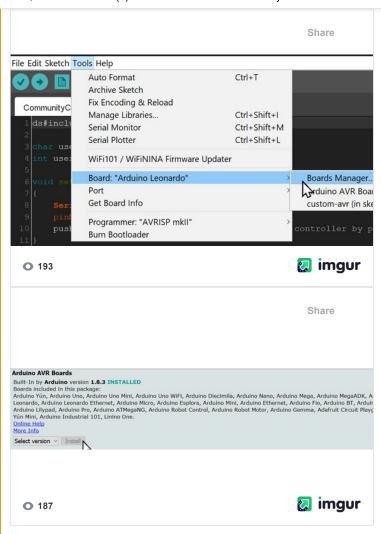


Ensure that Arduino AVR 1.8.3 is installed under your boards manager. If you have a newer version installed. Please use the "select version" box to install 1.8.3. Anything newer will not function properly



@ Psionic Roshambo: https://www.reddit.com/r/puns/comments/zvyfuj/a_travellers_emotional_baggage/?utm_source=share&ut... 5 ...





Now it is time to edit your boards.txt(Make sure to close out of your IDE first, or your changes might not be detected right away) for me on windows this is located within my IDE's installation directory.

Code:

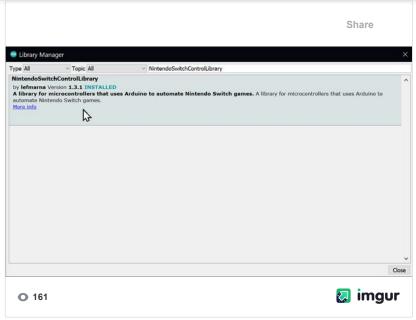
C:\Program Files (x86)\Arduino\hardware\arduino\avr\boards.txt

Once you have boards.txt open in an editor of your choice(I use sublime text) You will need to scroll down and edit lines 285, 286, 311, & 312 to match the following

Code:

Line 285: leonardo.vid.1 =0x0f0d Line 286: leonardo.pid.1 =0x0092 Line 311: leonardo.build.vid=0x0f0d Line 312: leonardo.build.pid=0x0092

Now the final step is to open Arduino IDE once more and install the Library by selecting "Library Manager" from the "Tools" menu within your IDE



From here you can start creating a simple macro/bot by flashing some basic code like the following to your Arduino, and after plugging it directly into your Switch or Dock

```
Code:
#include <NintendoSwitchControlLibrary.h>
char userInput:
void setup()
    Serial1.begin(9600); // sets up serial
    pinMode(LED_BUILTIN, OUTPUT);
    pushButton(Button::B, 500, 5); //turns on the controller by pressing B(any button works)
void setup(){
    pushButton(Button::B, 500, 5);
void loop(){
    pushButton(Button::X, 600);
    pushHat(Hat::RIGHT, 200);
    pushHat(Hat::DOWN, 200);
    pushHat(Hat::LEFT, 200);
    pushHat(Hat::UP, 200);
    pushButton(Button::X, 600);
}
```

You, M4x1mumReZ, hippy dave and 1 other person

Spoiler: Basic Bots over Serial(USB) & python Like + Quote ◆ Reply



more efficient in terms of the code posted. Please don't hesitate to let me know, as I would love to keep learning! Today at 10:24 AM

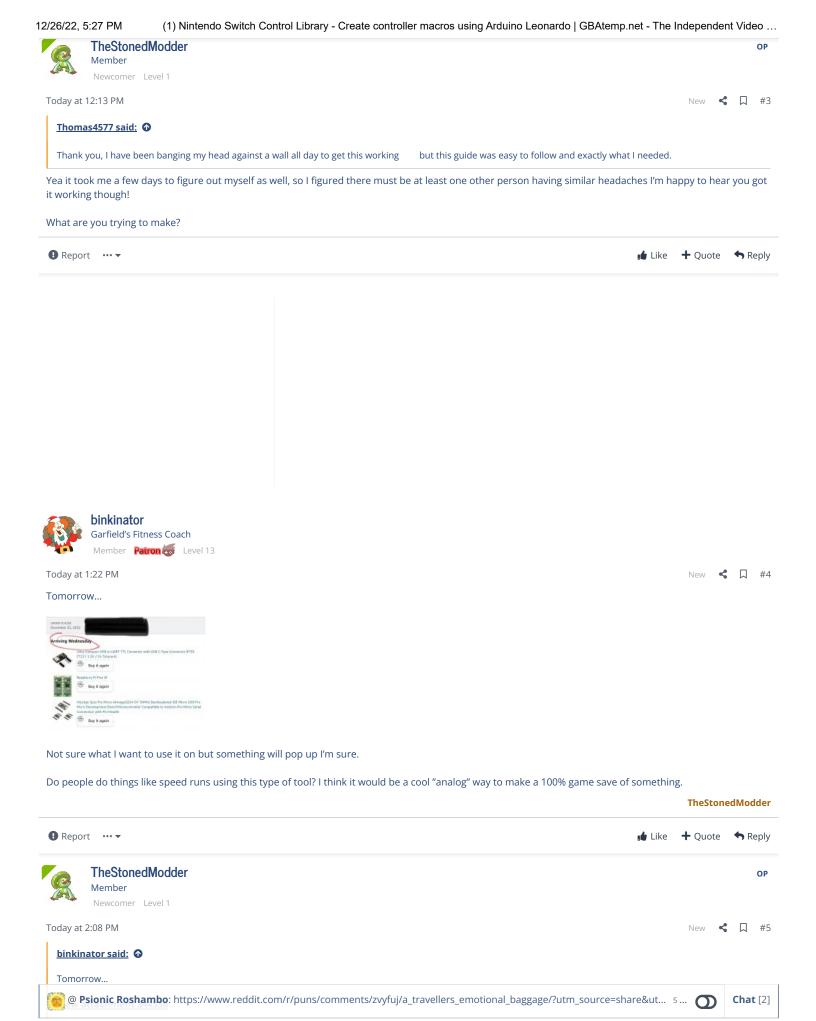


Thank you, I have been banging my head against a wall all day to get this working but this guide was easy to follow and exactly what I needed.

TheStonedModder

I'm not sure why this post keeps adding list BBCODE to the end of it randomly. If the posts formatting seems broken to you, please refresh since I'm actively adding to this guide and trying to fix it (everytime Ledit it, those lists get added and break it)





Not sure what I want to use it on but something will pop up I'm sure.

Do people do things like speed runs using this type of tool? I think it would be a cool "analog" way to make a 100% game save of something.

I don't believe anyone has done any speedrunning with these tools yet. But that would be super cool to see.

I've mostly only seen it used for like Pokémon or Xenoblade tasks personally

I want to eventually be able to control it all via Python. So I can try and script glitches, and stuff. All in this case being things like button timings (how long they are pressed for) instead of having to configure that bit within the arduino IDE itself.



Check for new posts



Simila	r Threads		
	Hacking ROM Hack Pokemon Scarlet & Violet Cheat Database OblivionReign · Nintendo Switch		K
	■ 7K	♦ 46 minutes ago · Nintendo Switch	M
Connect to	Homebrew RELEASE Switch Remote Play - Stream your PC to your Switch Moehammered · Nintendo Switch		K
	217	◆ Today at 7:15 AM · Nintendo Switch	M
O	Gaming Nintendo Switch/3DS cartridge lifespan		M
	socram8888 · Nintendo Switch	Sep 22, 2021 · Nintendo Switch	M
	Tutorial Use your 3DS/WiiU Gamepad as a Switch controller	là	K
Proposition of the Parket	■ 14	♣ Dec 25, 2021 · Nintendo Switch	M
	Nintendo Switch SX OS (Sysnand) & Atmosphere (Emunand) Guide/Discussion		K
TO S	xYuunax · Nintendo Switch 10	◆ Jan 21, 2022 · Nintendo Switch	N

@ Psionic Roshambo: https://www.reddit.com/r/puns/comments/zvyfuj/a_travellers_emotional_baggage/?utm_source=share&ut... 5...















Cancelled 2D side-scroller Duke Nukem Forever 1996 build leaked online		
Today at 11:29 AM by ShadowOne333		Q 22
Doom 64 alpha build leaks online, continuing streak of prototype releases		
Today at 7:11 AM by Chary		Q 15
Hidden Palace releases over 300 Wii and Xbox 360 prototypes, preserving seventh generation gaming history		
Today at 6:47 AM by Chary		Q 12
Mega Man World DX, a colorized romhack by Marc Robledo, has been released		
Yesterday at 1:41 AM by ShadowOne333		₩ Q 28
Super Mario World localization prototype discovered		
Yesterday at 1:31 AM by Chary		Y Q 19
Death Stranding is the next free Epic giveaway game		
Yesterday at 12:42 AM by Chary		♦ Q 55
Alpha build of the canceled Rayman 4 and its source code leaked online		
Saturday at 9:48 AM by Chary		♥ Q 25
ENLBufferPwn: Severe vulnerability in first party 3DS, Wii U and Switch games		
Saturday at 6:27 AM by PabloMK7		♥ () Q 52
Epic Games fined \$520 million USD by the FTC over COPPA violations and misleading gaming features		
Thursday at 9:30 PM by ShadowOne333		♦ २ ३ 84
Fallout 1, 2, and Tactics are all available for free on the Epic Games Store for 24hrs		
Thursday at 7:43 PM by Chary		Q 20
	M. 1 1 2 -	Mana
Go to fo	rum	More news







≺ Nintendo Switch

Home Forums Reviews Tutorials Staff Members Our Patrons About GBAtemp Light (auto dark) Style: tempStyle 3.2 **Donate** Ad Remove ads Community platform by XenForo $^{\rm @}$ © 2010-2022 XenForo Ltd.

© GBAtemp 2002-2022