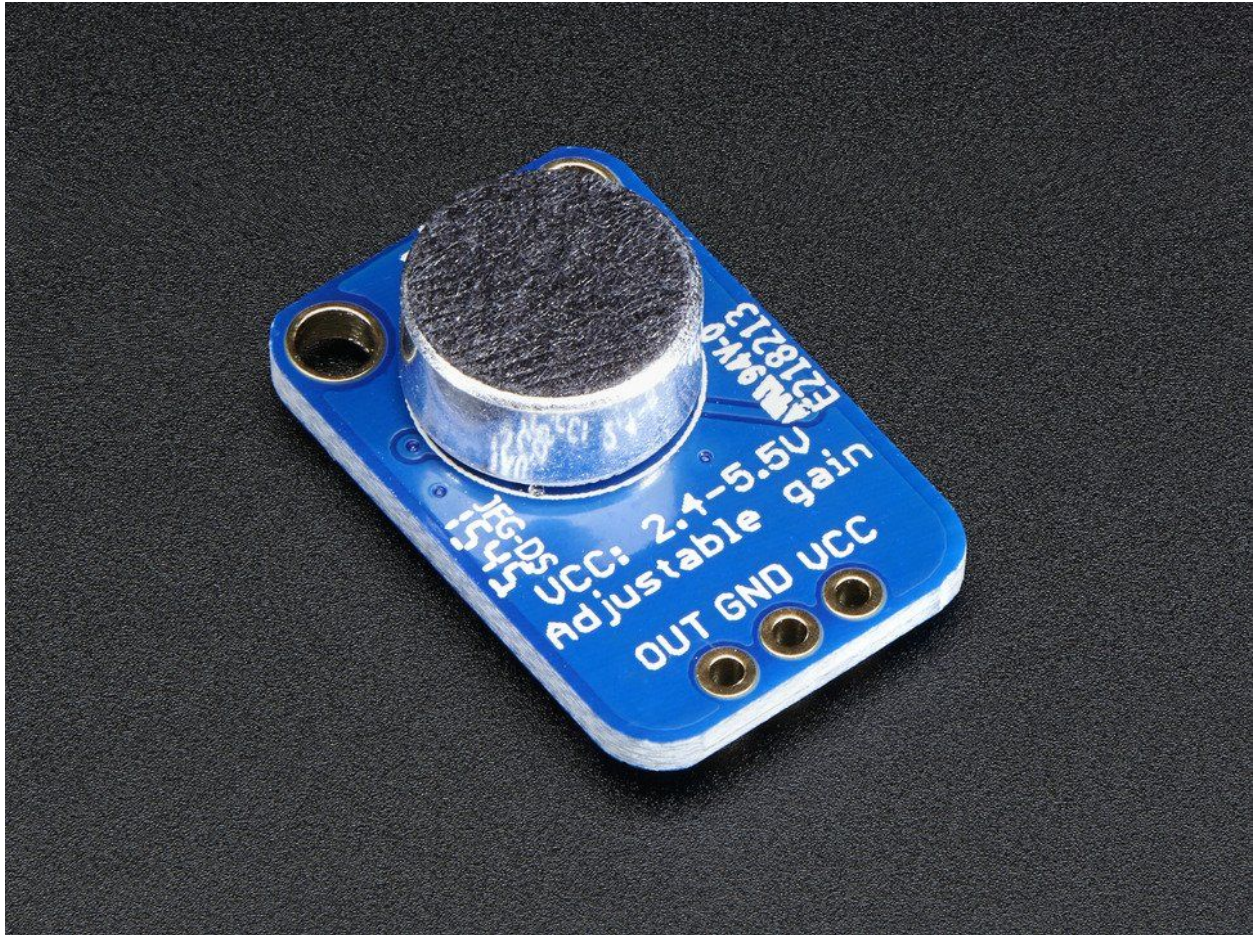


Troopduino Troubleshooting

Issues I ran into making my own Troopduino and personal recommendations.

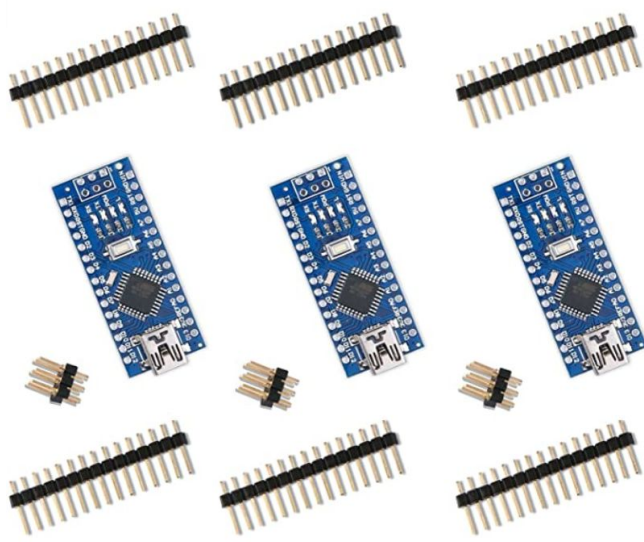
0.) Recommendations

Microphone



The microphone is susceptible to moisture and recommend a mic foam cover or wrapping the microphone in thin plastic. This will help avoid wind being picked up and reduce moisture from talking into it.

Buy Genuine Nanos



ELEGOO for Arduino Nano V3.0, Nano Board CH340/ATmega328P Without USB Cable, Compatible with Arduino Nano V3.0 (Nano x 3 Without Cable)

by ELEGOO

★★★★★

487 ratings | 66 answered questions

Amazon's Choice for "elegoo nano"

Best Deal

Price: **\$15.98** ✓prime & FREE Returns

Get \$70 off instantly: Pay \$0.00 ~~\$15.98~~ upon approval for the Amazon Prime Rewards Visa Card. No annual fee.

Color: **Nano 3.0 x 3 without cable**

- You could download the driver of Elegoo Nano V3.0 at: <http://bit.ly/2JKJMO>
- The Nano is using the chips ATmega328P and CH340, not FT232 as official Arduino, so pls. use the driver from above link.
- It is a smallest, complete, and breadboard friendly board. It has everything that Diecimila/Duemilanove has (electrically with more analog input pins and onboard +5V AREF jumper).
- Nano's got the breadboard-ability of the Boarduino and the Mini+USB with smaller footprint than either, so users have more breadboard space. It's got a pin layout that works well with the Mini or the Basic Stamp (TX, RX, ATN, GND on one top, power and ground on the other).
- The Nano can be powered via the Mini-B USB connection, 7-12V unregulated external power supply (pin 30), or 5V regulated external power supply (pin 27). The power source is automatically selected to the highest voltage source.

New (2) from **\$15.98** ✓prime FREE Shipping

[Report incorrect product information.](#)

I have run into plenty of issues with knockoffs for the Arduino Nanos including being unable to upload to, even with special drivers.

Keypad



DC 12V 1x4 4 Key Matrix DIY Flat Membrane Switch Keypad 107x20x0.8mm

by uxcell

★★★★★

2 ratings

Save \$3.77

Price: **\$9.00** ✓prime & FREE Returns

Available at a lower price from other sellers, potentially without free Prime shipping.

- Product Name : Membrane Switch;Key Type : 1x4;Voltage : DC 12V
- Current : 30mA;Contact Resistance : >=100 Ohm;Force : 250-350g
- Contact Bounce : >1s;Pad Size : 107 x 20 x 0.8mm/4.2" x 0.8" x 0.03"(L*W*T);Cable Length : 52mm/2
- Connector Pitch : 2.54mm/0.1";Material : Plastic;Color : As Picture Shown
- Weight : 4g;Package Content : 1 x Membrane Switch

[See more product details](#)


New (2) from **\$3.64** + \$1.88 Shipping

[Report incorrect product information.](#)

If you want a quick keypad or something easy to simply hook on, this one is particularly easy to use and flexible so it can be wrapped up with the Arduino. Keep spare pins from the Nano to attach to the Troopduino for easy attach/detachment when adding the keypad.

3-pin Servo Connector for microphone

[Back to previous page](#) | Listed in category: [Home & Garden](#) > [Lamps, Lighting & Ceiling Fans](#) > [Lighting Parts](#)



2pin 3pin 4pin 5pin Male And Female 22AWG JST SM Connector Plug for strip light

Condition: **New**

Size: **- Select -**

QTY: **- Select -**

Quantity: 10 available
273 sold / [See feedback](#)

Price: **US \$6.31**

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Delivery: Estimated between **Fri. Jun. 5** and **Thu. Jun. 18** 📍

Payments:     

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Special financing available. [Apply Now](#) | [See terms](#)

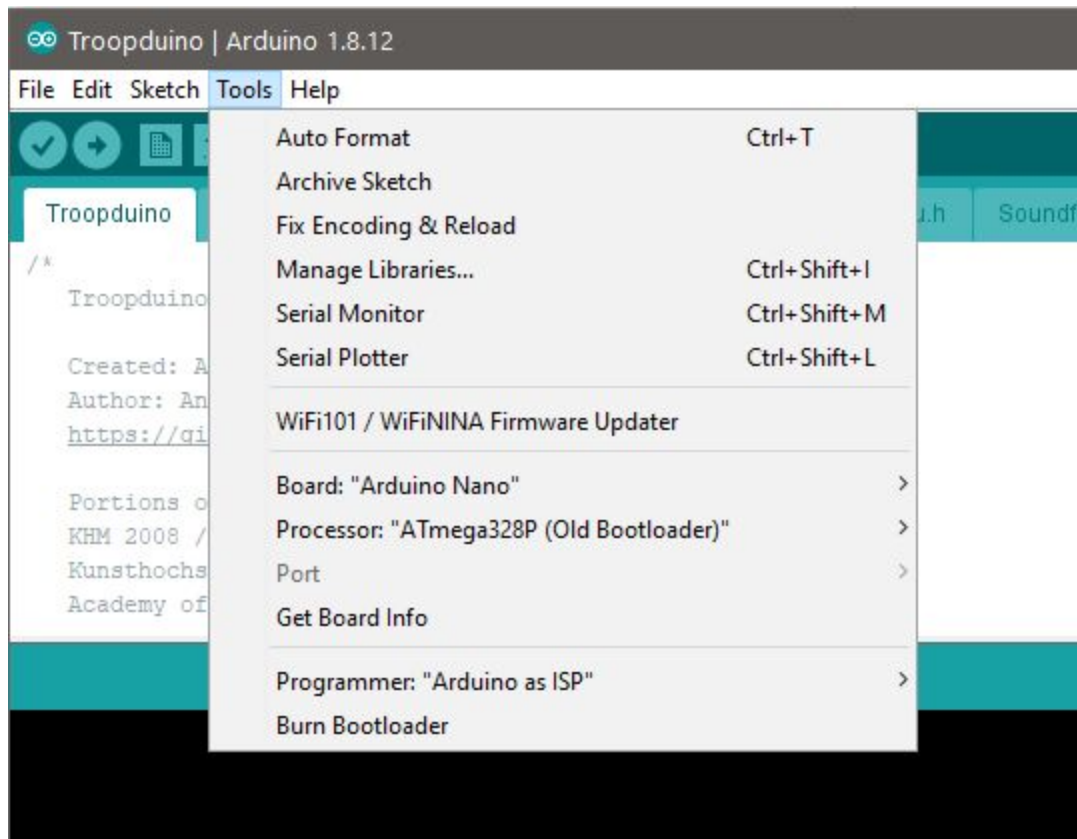
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Returns: 30 day returns. Buyer pays for return shipping | [See details](#)

[Have one to sell?](#) [Sell now](#)

It allows you to attach a new microphone if it breaks and extend the piece if needed.

1.) Failing to upload to Arduino Nano



Board: Arduino Nano selected

Processor: Atmega328P (If you have a genuine Nano) or Old Bootloader if it is an older/knockoff

Port: Make sure it can recognize the connected port (i.e. Port 4, Port 5, etc) and check Device Manager for PORTS to see if the drivers can see the Arduino

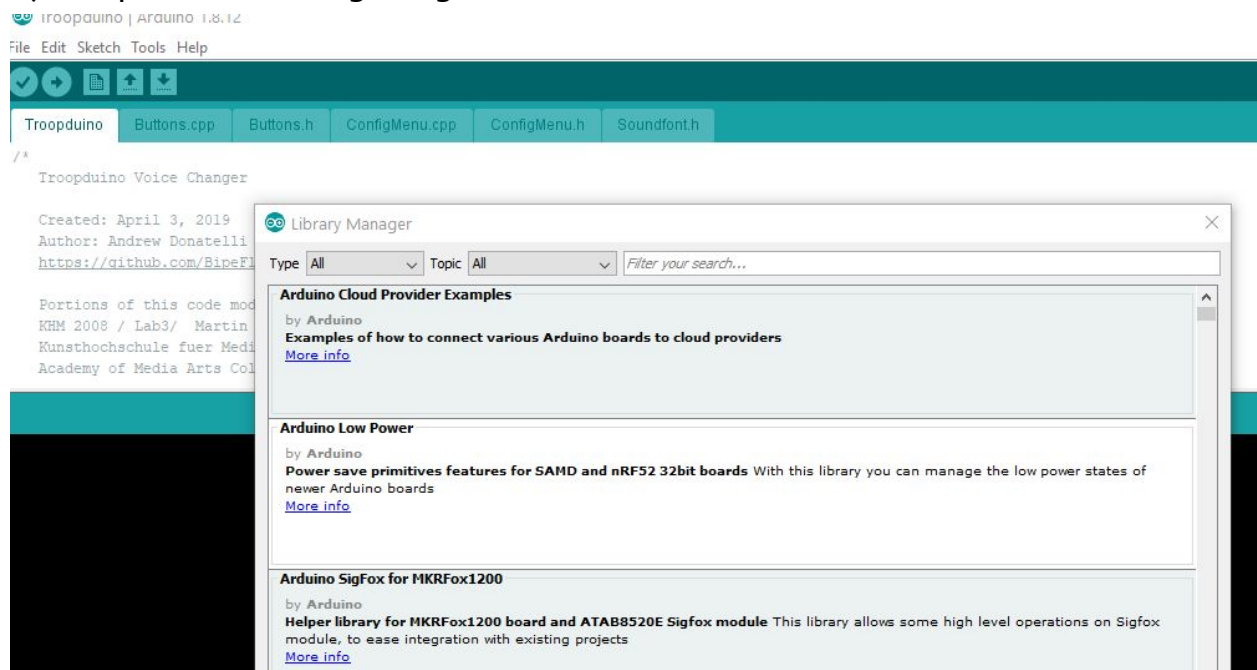
Programmer: Arduino as ISP (Have used USBtinyISP in some cases. Make sure to use Upload using programmer if Upload itself is not working)

2.) SD Card not working/being read

Name	Date modified	Type	Size
ConfigSounds	2019-06-10 10:30 PM	File folder	
Effects	2019-06-10 10:30 PM	File folder	
Glove	2019-06-10 10:30 PM	File folder	

Make sure the SD Card is formatted in FAT16/32 with less than 8gb ideally. Drag the folders, not the files themselves. You can also remove the effects from the SD card if you want only a certain “blip” noise when you talk.

3.) Troopduino not recognizing libraries



Make sure to go to Sketch > Include Library > Manage Libraries and download:
DFPlayerMini_Fast (You specifically want the Fast version)
OneButton