RUBBER GOOSE

Making a Bad USB

quack

HAK5 RUBBER DUCKY

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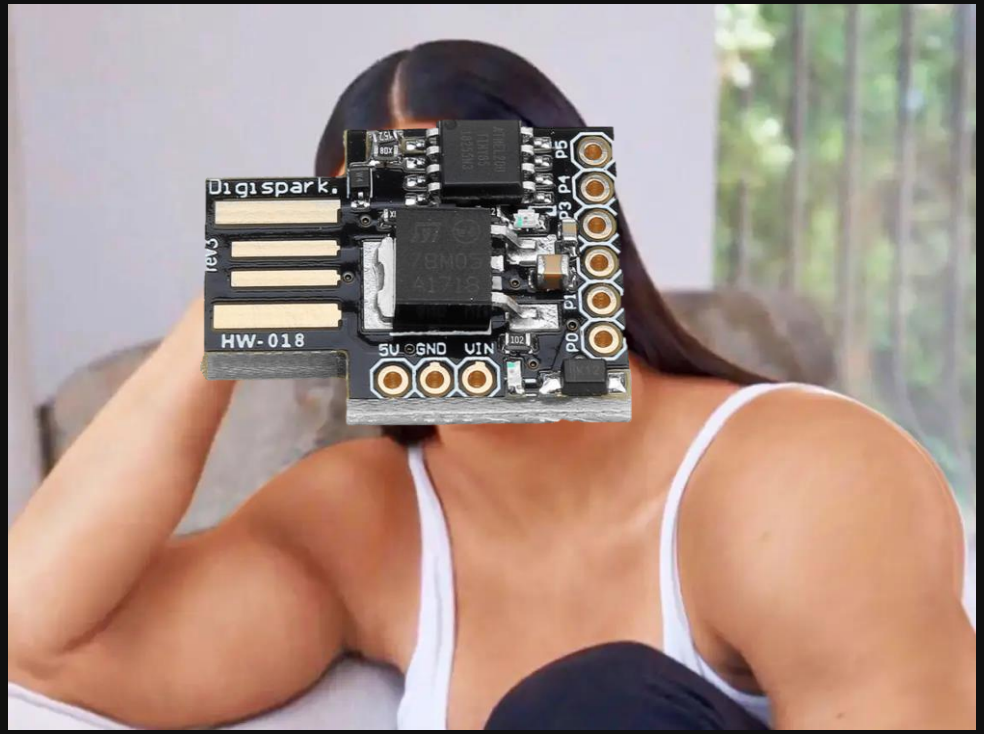


AGENDA

01 Set up

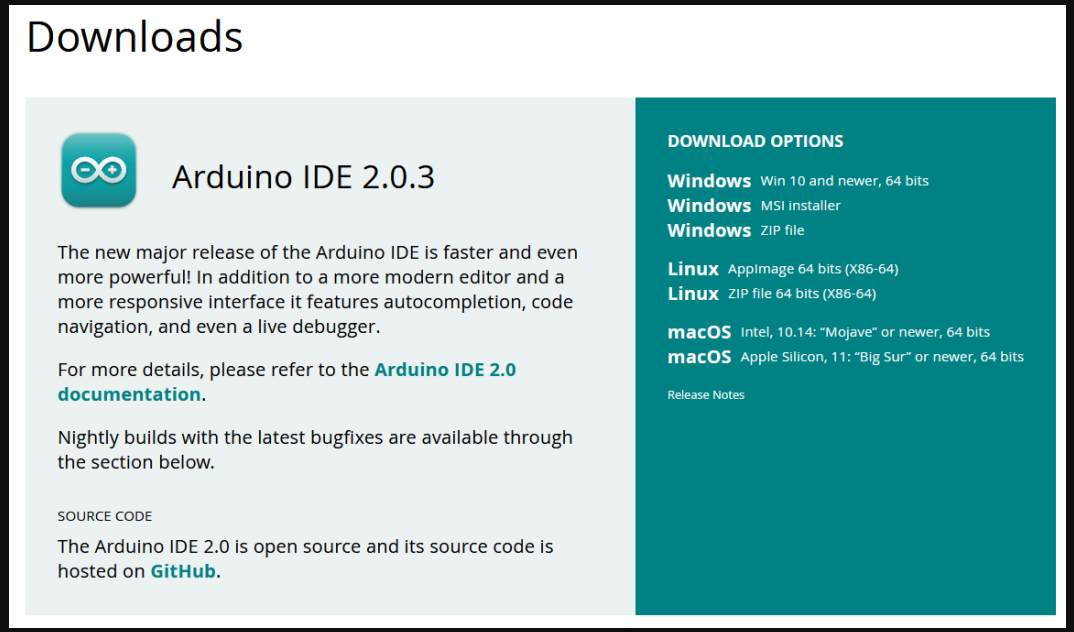
02 Programming

03 Mischeivious Activities

01

SET UP

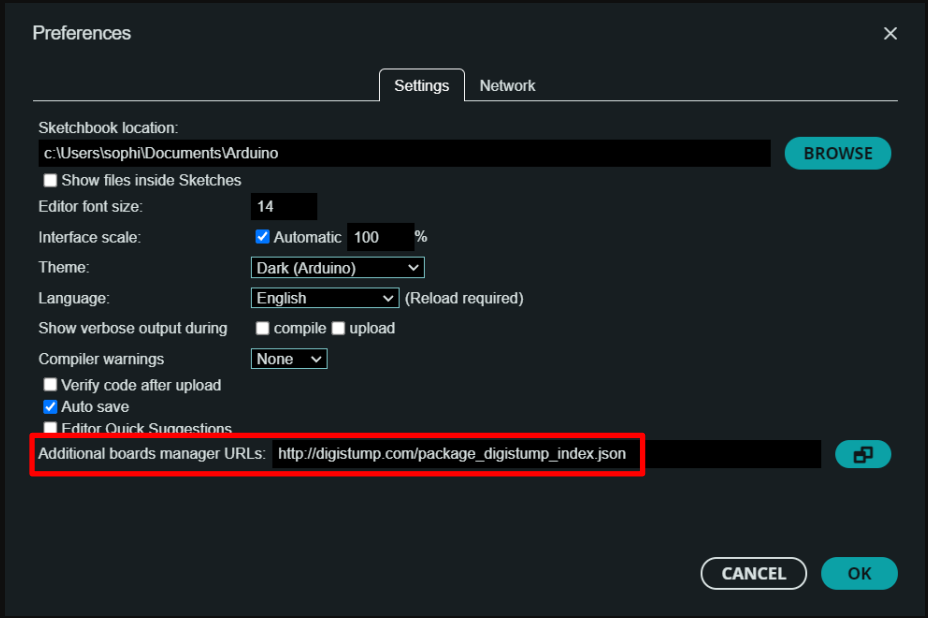
Arduino IDE



Download Arduino IDE from https://www.arduino.cc/en/software

Add Support for Board

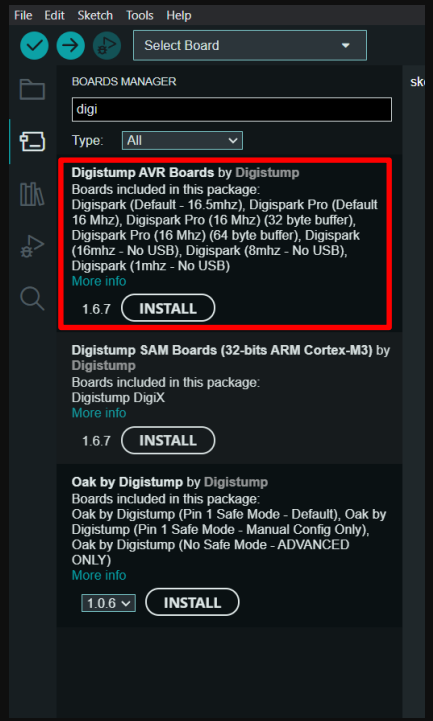
Within IDE, go to: File -> Preferences



In the “Additional boards manager URLs” box, add “http://digistump.com/package_digistump_index.json”

Install Board

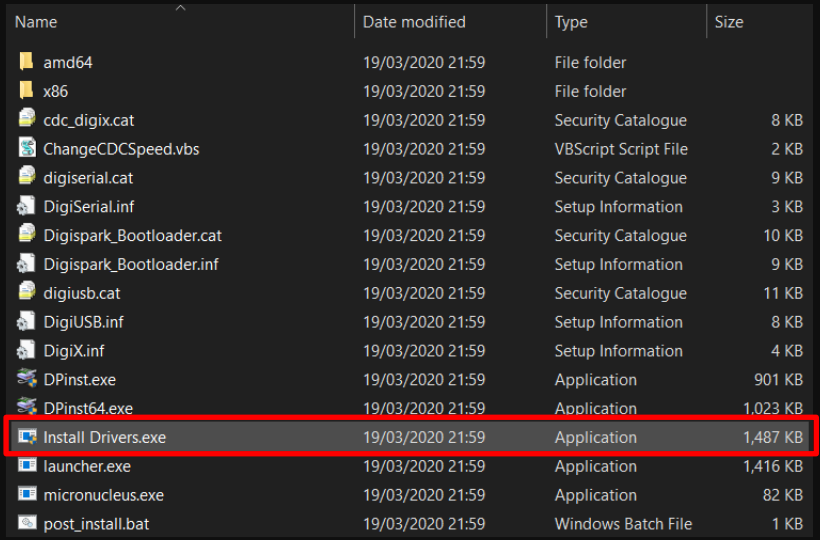
Go to:
Tools -> Board -> Board Manager
And search for “digistump”



Install “Digistump AVR Boards” by Digistump

Install Drivers

Download from Github and run “Install Drivers.exe”

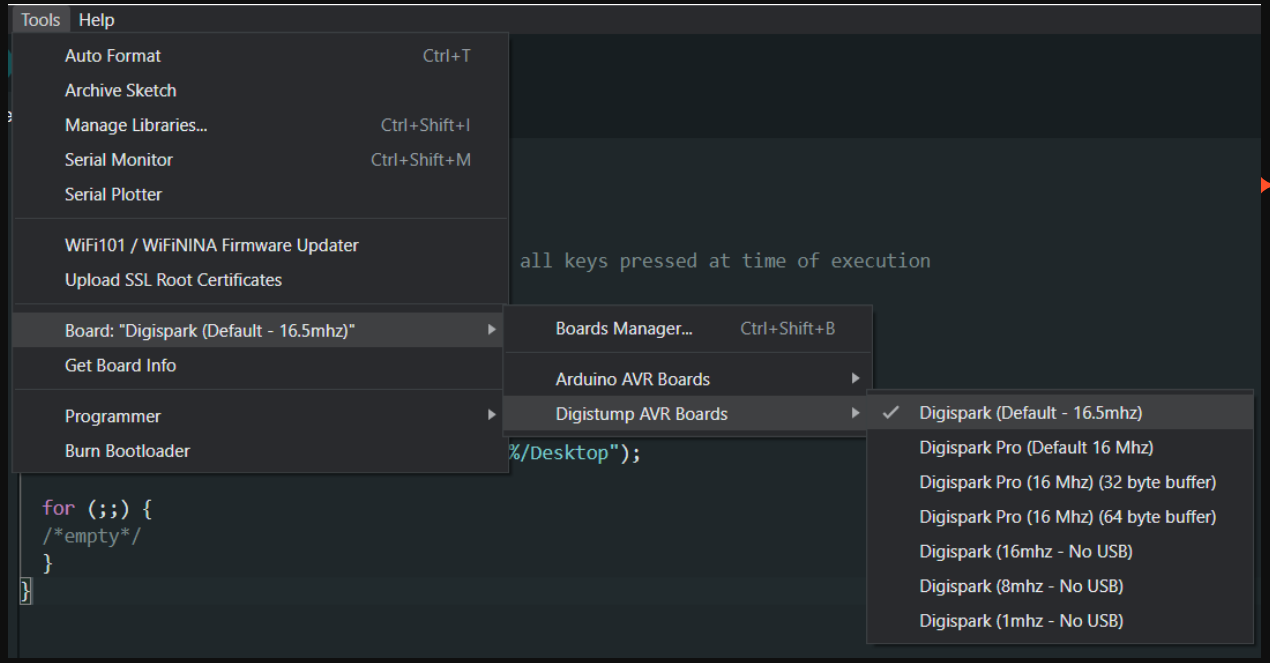


Name	Date modified	Type	Size
amd64	19/03/2020 21:59	File folder	
x86	19/03/2020 21:59	File folder	
cdc_digix.cat	19/03/2020 21:59	Security Catalogue	8 KB
ChangeCDCSpeed.vbs	19/03/2020 21:59	VBScript Script File	2 KB
digiserial.cat	19/03/2020 21:59	Security Catalogue	9 KB
DigiSerial.inf	19/03/2020 21:59	Setup Information	3 KB
Digispark_Bootloader.cat	19/03/2020 21:59	Security Catalogue	10 KB
Digispark_Bootloader.inf	19/03/2020 21:59	Setup Information	9 KB
digiusb.cat	19/03/2020 21:59	Security Catalogue	11 KB
DigiUSB.inf	19/03/2020 21:59	Setup Information	8 KB
DigiX.inf	19/03/2020 21:59	Setup Information	4 KB
DPinst.exe	19/03/2020 21:59	Application	901 KB
DPinst64.exe	19/03/2020 21:59	Application	1,023 KB
Install Drivers.exe	19/03/2020 21:59	Application	1,487 KB
launcher.exe	19/03/2020 21:59	Application	1,416 KB
micronucleus.exe	19/03/2020 21:59	Application	82 KB
post_install.bat	19/03/2020 21:59	Windows Batch File	1 KB

Download link: https://github.com/digistump/DigistumpArduino/releases/download/1.6.7/Digistump.Drivers.zip

Finish Setup

Tools -> Board -> Digistump AVR Boards -> Digispark (Default – 16.5mhz)



02

PROGRAMMING

TEST SCRIPT (test_script.txt)

Digispark (Default - 16.5mhz)

sketch_feb15a.ino

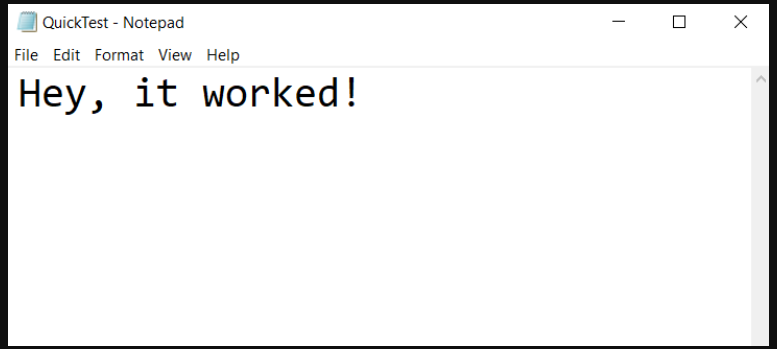
```
#include "DigiKeyboard.h"

void setup() {
  pinMode(1, OUTPUT);
  //to avoid conflicts, cancel the effect of all keys pressed at time of execution
  DigiKeyboard.sendKeyStroke(0);
  DigiKeyboard.delay(500);
  //open run (r + windows key)
  DigiKeyboard.sendKeyStroke(KEY_R, MOD_GUI_LEFT);
  DigiKeyboard.delay(500);
  //runs command in command prompt so the directory is changed to the desktop
  DigiKeyboard.print("cmd /k cd %UserProfile%/Desktop");
  DigiKeyboard.sendKeyStroke(KEY_ENTER);
  DigiKeyboard.delay(500);
  //output the text to a txt file
  DigiKeyboard.print("echo Hey, it worked! > QuickTest.txt");
  //run the command
  DigiKeyboard.sendKeyStroke(KEY_ENTER);
  DigiKeyboard.delay(500);
  //exit command prompt
  DigiKeyboard.print("exit");
  DigiKeyboard.sendKeyStroke(KEY_ENTER);
  DigiKeyboard.delay(500);
}

void loop() {
  // When scripts are done, blink some LED like it's 19

  digitalWrite(1, HIGH);
  delay(200);

  digitalWrite(1, LOW);
  delay(300);
}
```



PROGRAMMING BASICS

```
#include "DigiKeyboard.h"
DigiKeyboard.delay(500);
DigiKeyboard.sendKeyStroke(KEY_F);
DigiKeyboard.sendKeyStroke(KEY_F, KEY_Z | KEY_U);
DigiKeyboard.print("dir");
```

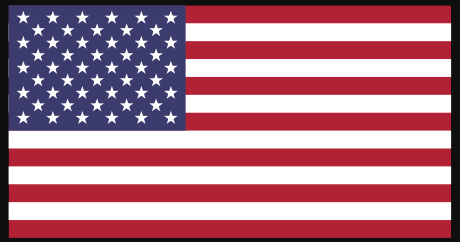
KEYS WHICH I LIKE

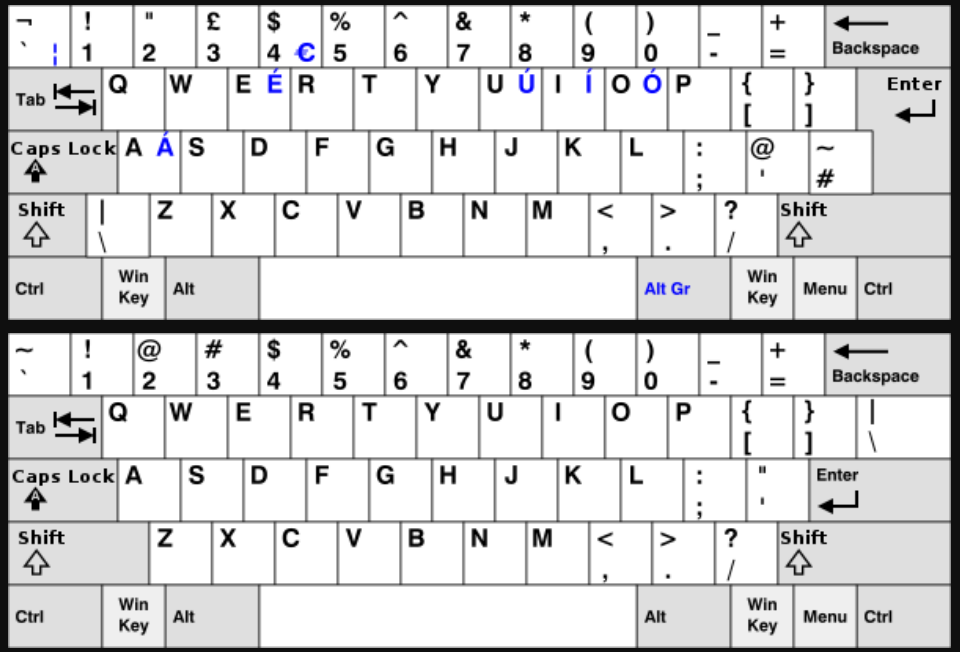
Digiboard code	Keyboard Key
MOD_CONTROL_LEFT	Left control
MOD_SHIFT_LEFT	Left shift
MOD_ALT_LEFT	Left alt
MOD_GUI_LEFT	Left Windows key
MOD_CONTROL_RIGHT	Right control
MOD_SHIFT_RIGHT	Right shift
MOD_ALT_RIGHT	Right alt
MOD_GUI_RIGHT	Right Windows key
KEY_ENTER	Enter
KEY_ESCAPE	Escape
KEY_CAPSLOCK	Capslock

```
DigiKeyboard.sendKeyStroke(CODE);
```

ANNOYING THINGS

Key wanted	Key requested to be printed in code
@	“
“	@





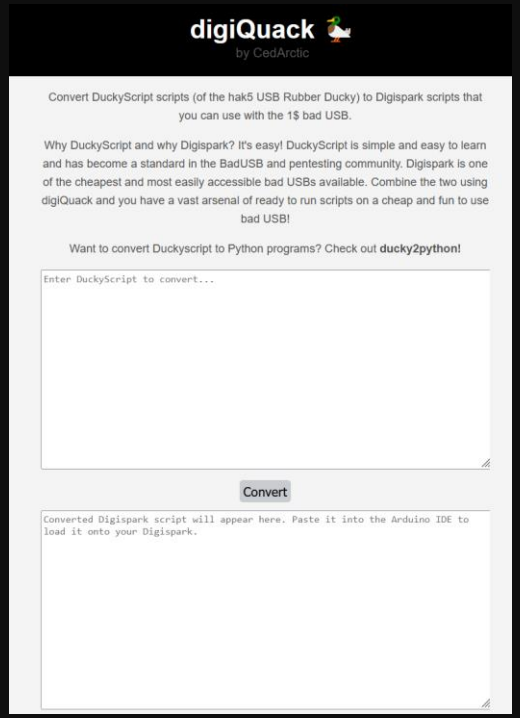
ANNOYING THINGS

```
#define KEY_Delete 76
```

https://www.usb.org/sites/default/files/documents/hut1_12v2.pdf

60	3C	Keyboard F3	114	√	√	√ 4/101/104
61	3D	Keyboard F4	115	√	√	√ 4/101/104
62	3E	Keyboard F5	116	√	√	√ 4/101/104
63	3F	Keyboard F6	117	√	√	√ 4/101/104
64	40	Keyboard F7	118	√	√	√ 4/101/104
65	41	Keyboard F8	119	√	√	√ 4/101/104
66	42	Keyboard F9	120	√	√	√ 4/101/104
67	43	Keyboard F10	121	√	√	√ 4/101/104
68	44	Keyboard F11	122	√	√	√ 101/104
69	45	Keyboard F12	123	√	√	√ 101/104
70	46	Keyboard PrintScreen[1]	124	√	√	√ 101/104

CONVERTING



https://cedarctic.github.io/digiQuack/

Payload Library for the USB Rubber Ducky by Hak5

This repository contains payloads, extensions and languages for the Hak5 USB Rubber Ducky. Community developed payloads are listed and developers are encouraged to create pull requests to make changes to or submit new payloads.

https://github.com/hak5/usbrubberducky-payloads

https://ducktoolkit.com/userscripts

EXAMPLES

MATRIX SCRIPT
(matrix_script.txt)

RICK ROLL + WINDOWS UPDATE
(prank_script.txt)

RESOURCES

Go to: https://github.com/CyberSophi/Rubber_Goose

Contains code + Powerpoint

03

MISCHIEVOUS ACTIVITIES

Being too mischievious...

If you use the tool against your friends without their knowledge or consent, you are essentially hacking into their computer system, which is illegal and can result in serious legal consequences.

Please don’t steal hacksoc’s equipment <3

If you would like to take the Arduino board home… Please talk to Tristan ☺

Costs ~£2

THANKS!

@CyberSophi