

Bad USB Programming guide



By makerUSA.net

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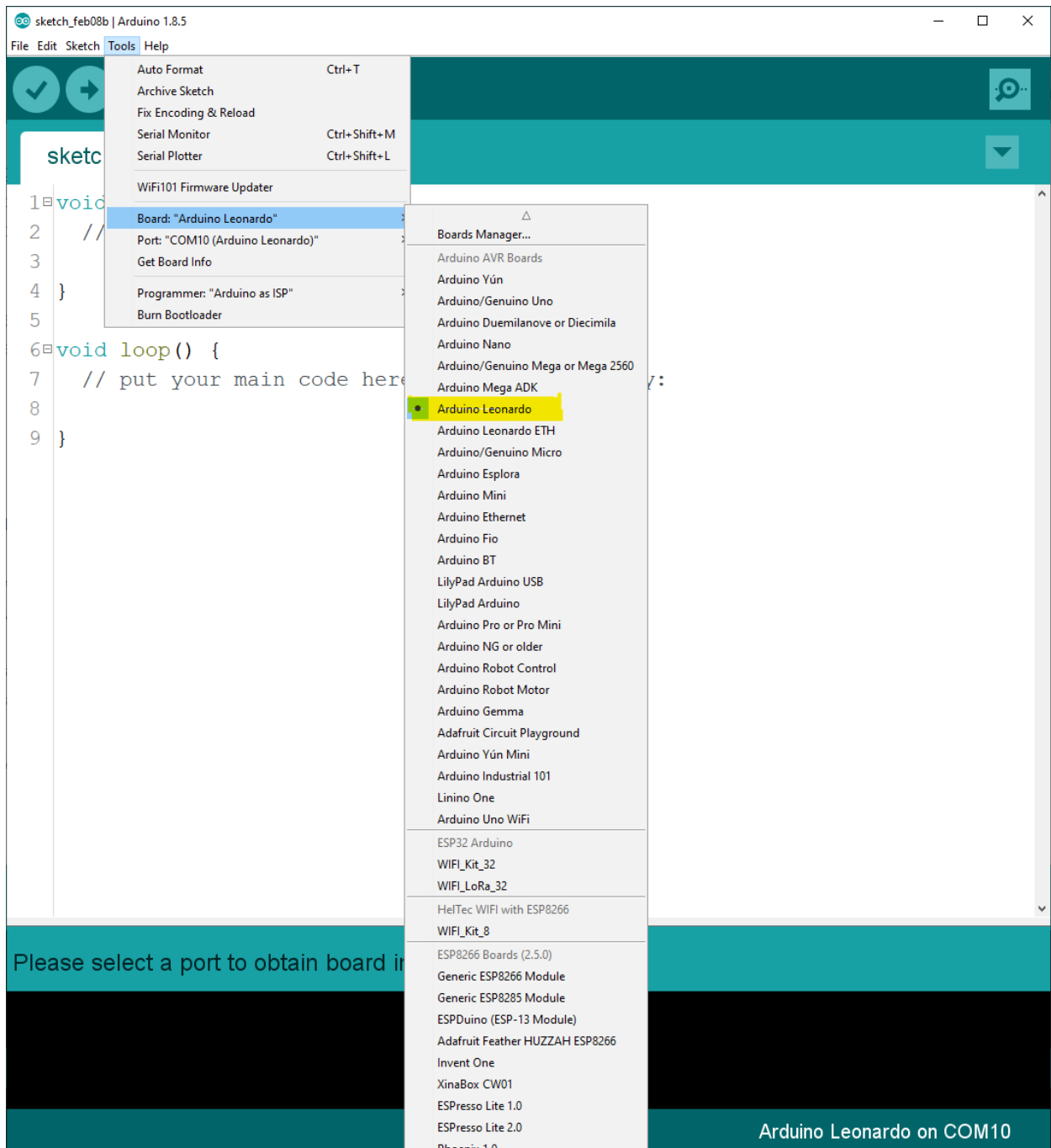
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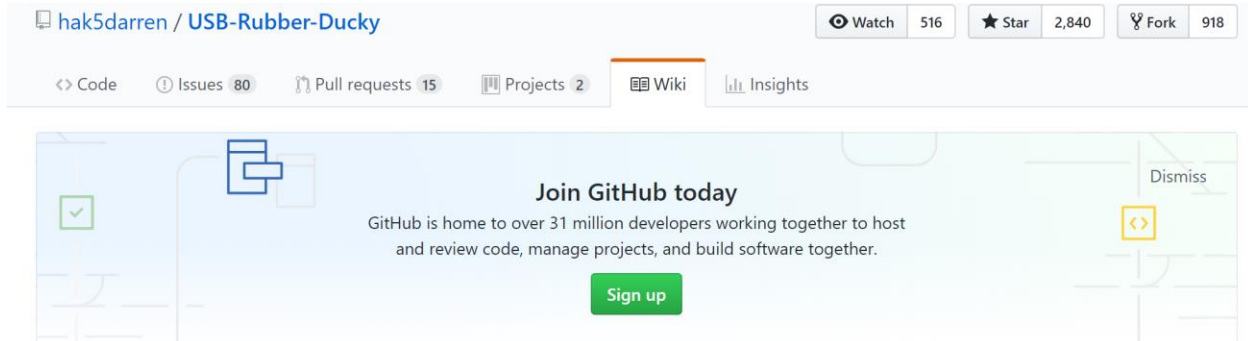
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1. Install Arduino from Arduino.cc if not already installed.
2. Open the Arduino IDE and select Arduino Leonardo as the board



3. Make sure to select the correct Port
4. Go to <https://github.com/hak5darren/USB-Rubber-Ducky/wiki/Payloads>

5. Choose a base payload that matches your requirements



Payloads

cubidalsphere edited this page on Dec 27, 2018 · 41 revisions

- [Payload - Hello World](#)
- [Payload - WiFi key grabber](#)
- [Payload - Basic Terminal Commands Ubuntu](#)
- [Payload - Information Gathering Ubuntu](#)
- [Payload - Hide CMD Window](#)
- [Payload - Netcat-FTP-download-and-reverse-shell](#)
- [Payload - Wallpaper Prank](#)
- [Payload - YOU GOT QUACKED!](#)
- [Payload - Reverse Shell](#)
- [Payload - Reverse Shell With Persistence](#)
- [Payload - Fork Bomb](#)
- [Payload - Utilman Exploit](#)
- [Payload - WiFi Backdoor](#)
- [Payload - Non-Malicious Auto Defacer](#)
- [Payload - Lock Your Computer Message](#)
- [Payload - Ducky Downloader](#)
- [Payload - Ducky Phisher](#)
- [Payload - FTP Download / Upload](#)
- [Payload - Restart Prank](#)
- [Payload - Silly Mouse, Windows is for Kids](#)
- [Payload - Windows Screen rotation hack](#)
- [Payload - Powershell Wget + Execute](#)

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Attacking Windows At The Logon Screen, Gaining Access To CMD With System Privileges.
Capitals Logo Fun
Change desktop background (win10)
Change the background to MyLittlePony (win10)
Downloads
Duckencoder
Duckyscript
Export Browser Passwords and email results
Flashing ducky
Footer
Hardware

6. Copy the script to a text editor

```
1 DELAY 3000
2 GUI r
3 DELAY 500
4 STRING notepad
5 DELAY 500
6 ENTER
7 DELAY 750
8 STRING Visit ebay.makeUSA.net or www.makeUSA.net
9 ENTER
```

7. Go to https://roothaxor.gitlab.io/ducky2arduino_stable/
8. Insert the script from above in the top input and click on compile

Notice: This project is no longer managed
Try [OverThrust](#) Solution for arduino HID attacks

Input Duckyscript Here:

```
DELAY 3000
GUI r
DELAY 500
STRING notepad
DELAY 500
ENTER
DELAY 750
STRING Visit ebay.makeUSA.net or www.makeUSA.net
ENTER
```

Output (Arduino Code/Sketch)

```
#include <Keyboard.h>
/*
 * Developer @root_haxor !
 */
// Init function
void setup()
{
  // Beginning the stream
```

Compile **Download Arduino Sketch**

Want RubberDucky Scripts? [CLICK HERE](#)

This generates the Arduino code that we will use in the Arduino IDE to upload to the Bad USB device.

9. Now go back to the Arduino IDE and paste in the code from the output in the IDE (user Crlt+A and Crtl+C to copy and Crlt+A and Crtl+V to past the code)



```
sketch_feb08b $
1 #include <Keyboard.h>
2 /*
3  * Developer @root_haxor !
4  */
5
6 // Init function
7 void setup()
8 {
9   // Beginning the stream
10  Keyboard.begin();
11
12   // Waiting 500ms for init
13  delay(500);
14
15  delay(3000);
16
17  Keyboard.press(KEY_LEFT_GUI);
18  Keyboard.press(114);
19  Keyboard.releaseAll();
20
21  delay(500);
22
23  Keyboard.print("notepad");
24
25  delay(500);
26
27  typeKey(KEY_RETURN);
28
29  delay(750);
30
31  Keyboard.print("Visit ebay makerUSA.net or www.makerUSA.net");
32
33  typeKey(KEY_RETURN);
34 }
35
36 void typeKey(int key)
37 {
38   Keyboard.press(key);
39   delay(50);
40   Keyboard.release(key);
41 }
42
43 // Unused
44 void loop() {}
```

Please select a port to obtain board info

44 Arduino Leonardo on COM10

10. Now click the upload button on the Arduino IDE, the code will be compiled and uploaded to the USB stick. (note if you don't want the code to run on the programming PC, make sure to remove the drive as soon as the upload is complete)

```
bad_usb_example | Arduino 1.8.5
File Edit Sketch Tools Help
bad_usb_example
1 #include <Keyboard.h>
2 /*
3  * Developer @root_haxor !
4  */
5
6 // Init function
7 void setup()
8 {
9   // Beginning the stream
10  Keyboard.begin();
11
12  // Waiting 500ms for init
13  delay(500);
14
15  delay(3000);

```

Done uploading.

Archiving built core (caching) in: C:\Users\umars\AppData\Local\Temp\arduino_cache_108204\core\core_arduino_a
Sketch uses 5512 bytes (19%) of program storage space. Maximum is 28672 bytes.
Global variables use 276 bytes (10%) of dynamic memory, leaving 2284 bytes for local variables. Maximum is 25

Arduino Leonardo on COM10

The USB is now ready to be used, just needs to be inserted into the target computer.