**PLAYING WITH A HIDIOT**

<https://www.reddit.com/r/hidiot/>

We need to download the Digispark/Digistump board because  
- The Digispark is an Attiny85 based microcontroller development board similar to the Arduino line, only cheaper, smaller, and a bit less powerful.

Because the ATTiny85 is the shit on top of the hidiot

Then we need to download the HIDIOT Library (by Rawhex) to use their existing shit  
(Clone from their github)

Sketch>Include ZIP file> select HIDIOT tutorials  
  
Now you can choose existing libraries for HIDIOT,  
File>Examples>Hidiot Tutorials

-------------------- Key things downloaded----------------------

Tools>Board>Arduino/Genuinoi Uno>Digispark 16.5Mhz  
  
tell digispark what programme to use   
Tools>Programmer>Micronucleus boot loader

The ATTiny will control how much voltage is given, in this case it is 5V  
so when you put the output 1, 5v come out   
Q: The voltage value determined by what? What about supplied current?

Details of HIDIOT:  
> Device has firmware version 1.6

> Available space for user applications: 6012 bytes

> Suggested sleep time between sending pages: 8ms

> Whole page count: 94 page size: 64

> Erase function sleep duration: 752ms

Q: Can you extract a code from an Arduino?

A computer that you built yourself, from the components up, that you soldered yourself to a professional PCB, is now running code that you’ve written. You understand what the code does. You understand what the hardware does. You understand how the code and the hardware interact. You even know what voltage is being supplied to the LED.  
  
Q:How does a multi-coloured LED work? The energy drop varies with the electrical input (so how you fix this? The material?)

Any sufficiently advanced technology is indistinguishable from magic - Arthur C. Clarke

USB RUBBER DUCKY  
<https://www.youtube.com/watch?v=dE_xoj7HrIc>

Password Lock Useful?   
(Ppl still can plug in shit and run program)

<https://44con.com/2016/09/19/getting-started-with-your-hidiot-badge/>

Code for driveby

PROBLEM:  
If screen is lcoked, cannot access cmd. It will enter at the password input. How to avoid that?

<https://docs.hidiot.com/fun_with_hid/work_smarter_not_harder/>

Manchester GreyHats

<https://www.youtube.com/watch?v=URYq8DHUw2A&feature=youtu.be&t=5m57s>

<https://www.reddit.com/r/hidiot/>

<https://www.youtube.com/watch?v=ioZQNtfrMTg>

How to reverse engineer the Arduino board?

<http://forum.arduino.cc/index.php?topic=328973.0>

<https://blog.arduino.cc/category/protocol/reverse-engineering/>

<https://www.dfrws.org/sites/default/files/session-files/pres-the_application_of_reverse_engineering_techniques_against_the_arduino_microcontroller_to_acquire_uploaded_applications.pdf>