

Getting the Firmware for MK312

AVA #1 October 19, 2018, 5:51pm

After a fight with my hardware to actually get to talk to the ATmega I've hit a snag I can't work around.

```
scripts/fw-utils.py --downloadfw
```

Returns error 403: forbidden.

Is there an alternative path?

qdot #2 October 20, 2018, 12:01am

Unfortunately there isn't an alternative path right now. The firmware files have been removed from the website. We're trying to figure out other solutions now.

AVA #3 October 20, 2018, 8:05am

A few helpful members have sent me the files, so if anyone else finds themselves stuck just ask and you will receive 😊

AVA #4 October 20, 2018, 11:49am

Build the box - hurrah

Install the firmware - hurrah

Pass the self-test without the dreaded Error 20/21 - hurrah

Discover you've put the f-ing buttons on 90degrees out - booooooooooooo

Thankfully the BT works and I managed to use Buttplug to confirm everything is working otherwise.

→ off to de-solder and swear my way through lining up those little buggers a second time

qdot #5 October 20, 2018, 9:50pm

Wow I am rather shocked your BT worked enough to see anything happen. It's been super flakey for me.

Congrats tho!

AVA #6 October 20, 2018, 9:53pm

It's connected within about 30secs each time I tried it and stayed connected. Without it I wouldn't have figured out that my only issues was the buttons. I don't quite understand what Playground is making it do, but it makes it do things.

qdot #7 October 20, 2018, 10:24pm

Right now, all Buttplug can do is emulate Fleshlight commands, so it will cause intensity to oscillate between 2 points at a certain speed. Hopefully there will be better intensity controls soon.

bkiff #8 November 13, 2018, 1:04am

As as a new user I ain't allowed to pester you folks via PM: Could someone give me a private 1:1 tutoring regarding the original firmware files?

Edit: Found a tutor, thx again.

Zafphod #9 November 20, 2018, 7:25pm

By the way, I found some firmware in github repository. I do not know what it is or how much it works. I did not try it.

<https://github.com/buttshock/mk312-bt/tree/master/firmware/Custom%20Boot%20Message%20f005-MK312-BT>

For myself, I compiled my own with the franconebutt m005. I hope this is the most up-to-date version.

voncosel #10 November 22, 2018, 3:53pm

Random thought. Is the firmware dump exploit easily reproducible? We could post a script that downloads (decryption not even necessary) a firmware file from any ET312.

Zafphod #11 November 22, 2018, 6:07pm

I do not have the ET-312 available. But I'm afraid the processor will be locked against reading memory.

voncosel #12 November 23, 2018, 11:53am

That's the thing... there is an exploit to achieve just that.

qdot #13 November 23, 2018, 11:02pm

No there isn't. In the original firmware, there's a limit to the range of memory that can be peeked, so we can't just dump it out, and we'd already undone the "encryption" before we starting trying to do things like dynamic code insertion.

Sacha #14 March 29, 2019, 9:41pm

I am also stuck with the 403 error. 🙄
Any chance you can forward me the files you received?

Foxcub #15 May 5, 2019, 9:10pm

Is there an answer as to where to find the firmware? My box is all done save for flashing the firmware. Thanks!

AVA #16 August 7, 2019, 11:14am

Sorry guys, I hadn't logged in for ages.

Did other people sort you out with the files already?

lawman5297 #17 August 26, 2019, 3:03pm

I have been trying several versions of firmware and they are a bit buggy. Do you have the f005 compiled with the m005 patches in a bin file? I am not a linux guy and would just screw it up. Thanks so much if you can help.

Edit 8-26: I am good now. THX!

rztrezr #18 August 30, 2019, 2:43am

Hi, you seem to have solved the firmware problem. Can you tell me where you got the .bin files?

rztrezr #19 August 31, 2019, 12:48pm

qDot pointed me here for the firmware:

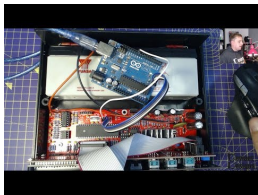


buttshock/buttshock-et312-frankenbutt

Original firmware implementation for the ET-312 Electrostim Box. -
buttshock/buttshock-et312-frankenbutt

rztrezr #20 August 31, 2019, 11:14pm

Just in case anyone runs into the same problem: I built the MK-312BT with the latest version of the PCB, V1.3r. I used the method described here to flash the microcontroller:



How to upload firmware to the MK312-BT using an arduino

Here are the CMD commands I use in the video so you can copy & paste them. Don't forget to check the com port and firmware file name! Test
Connection `avrdude -c avrisp -P \\.com24 -b 192...`

I couldn't get the device to boot with any firmware I tried with this method, which is probably because I am so inexperienced with this.

However the firmware posted on the Discord channel [#estim](#) on Feb 04, 19 by [@qdot](#) works perfectly with this method. (Search channel.) It has the file name „t002_bootloader.bin“.

1 Like

Electro7 #21 November 12, 2019, 6:10pm

Hi all,

I have the 312 B firmware update bin files

my question is if this file can be programmed in ATmega16 to work in MK 312 BT

I have two files, boot and firmware update.

Electro7 #22 November 12, 2019, 8:23pm

Hi,

I've searched the file t002_bootloader.bin but not found.

Can you help me please?

rztrezr #23 November 12, 2019, 9:32pm

It's still there. Use Discord. Join server. Look in channel **#estim** on 04FEB19. It's from **@qdot** . I don't know, if I am allowed to repost it here.

1 Like

ElectroDuck #24 November 14, 2019, 10:33am

rztrezr:

.

I had to realise about discord server, you have to join and then **go to this link**
The file is still available

1 Like

Electro7 #25 November 14, 2019, 5:00pm

Thank you very much for the information. I found it discord...