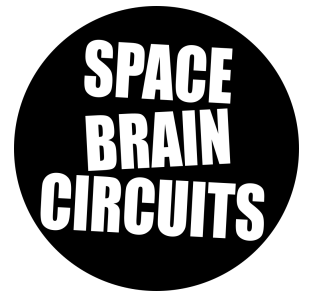


MidiVolts Desktop

Windows Firmware Manual

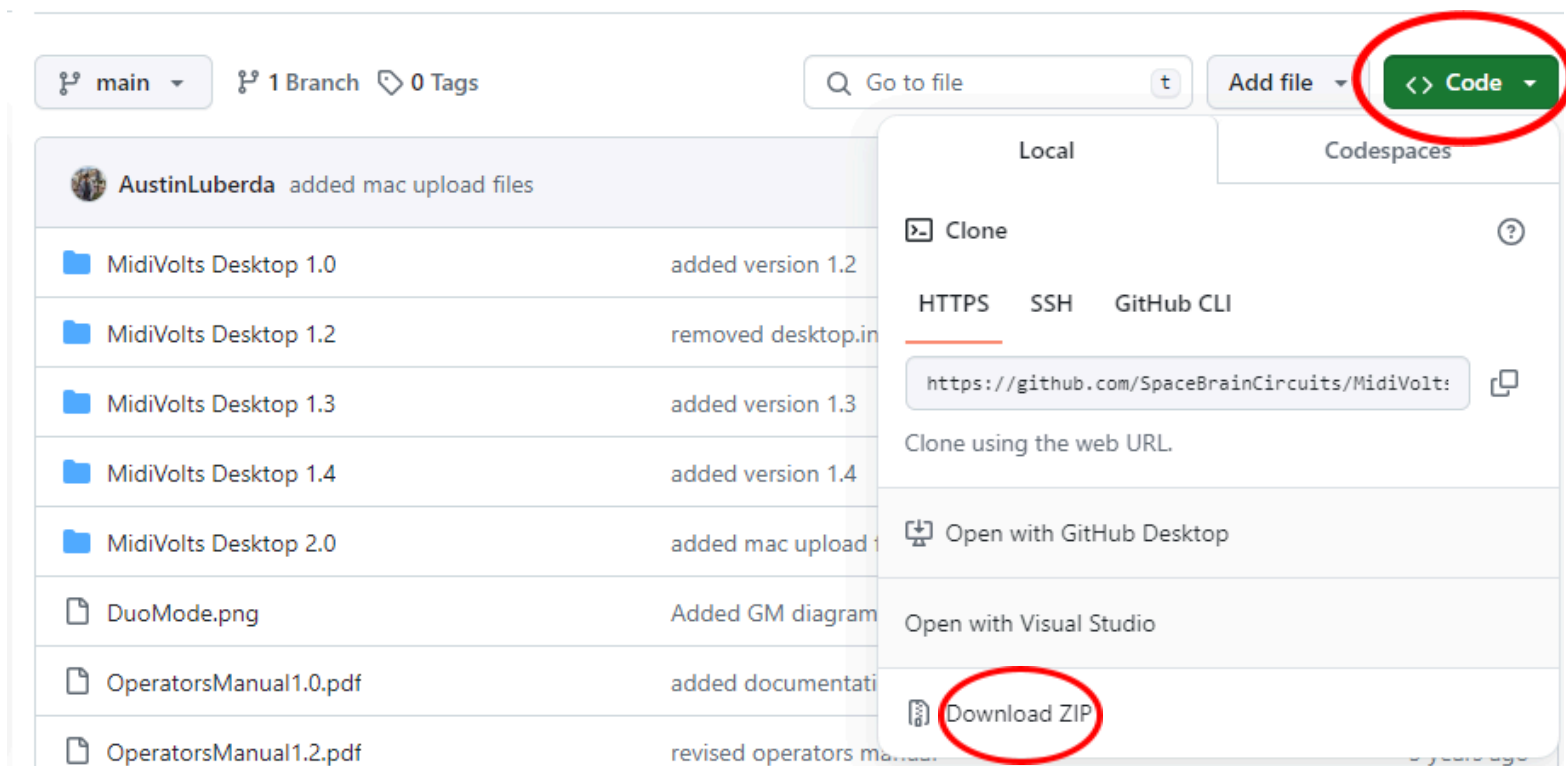


Things you will need:

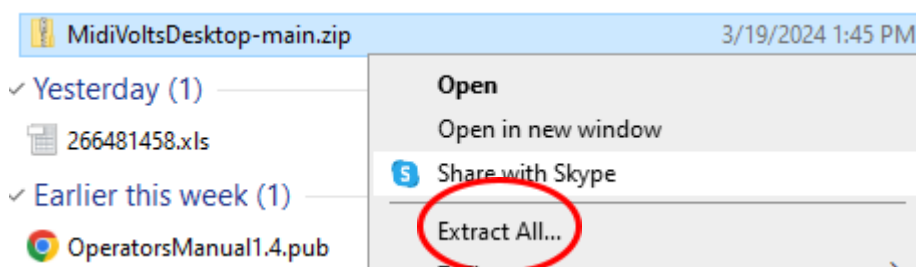
- Mini USB cable
- Windows Computer

1. Download firmware files.

- Go here: <https://github.com/SpaceBrainCircuits/MidiVoltsDesktop>
- Download files by clicking **Code** and **Download Zip**.

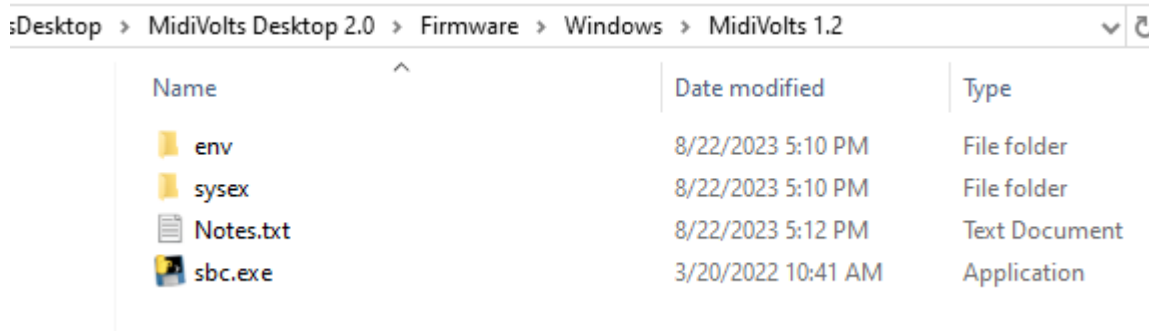


2. Right click the zip file, and *Extract All...*



3. Navigate to firmware upload directory.

a. MidiVolts Desktop 2.0 -> Firmware -> Windows -> (firmware of choice)



4. Power on MidiVolts Desktop and plug mini USB cable from the MidiVolts Desktop to your windows PC.

5. Double click sbc.exe file.

6. If you see a display similar to the image on the right, Firmware is now installed!

7. Restart MidiVolts Desktop.

8. Troubleshooting:

If you do not see the screen as shown on the right.

1. Verify your USB is connected to both MidiVolts and your computer.
2. Make sure the unit is powered on.
3. Contact me and I will help you!
spacebraincircuits@gmail.com

```
Connecting to programmer: .
Found programmer: Id = "CATERIN"; type = S
  Software Version = 1.0; No Hardware Version given.
Programmer supports auto addr increment.
Programmer supports buffered memory access with buffersize=128 bytes.

Programmer supports the following devices:
  Device code: 0x44

avrdude.exe: AVR device initialized and ready to accept instructions

Reading | ##### | 100% 0.01s

avrdude.exe: Device signature = 0x1e9587 (probably m32u4)
avrdude.exe: NOTE: "flash" memory has been specified, an erase cycle will be performed
  To disable this feature, specify the -D option.
avrdude.exe: erasing chip
avrdude.exe: reading input file ".\env\scripts\FourVoice1.04.hex"
avrdude.exe: writing flash (26654 bytes):

Writing | ##### | 100% 2.73s

avrdude.exe: 26654 bytes of flash written
avrdude.exe: verifying flash memory against .\env\scripts\FourVoice1.04.hex:
avrdude.exe: load data flash data from input file .\env\scripts\FourVoice1.04.hex:
avrdude.exe: input file .\env\scripts\FourVoice1.04.hex contains 26654 bytes
avrdude.exe: reading on-chip flash data:

Reading | ##### | 100% 0.73s

avrdude.exe: verifying ...
avrdude.exe: 26654 bytes of flash verified
avrdude.exe: safemode: Fuses OK (E:CB, H:D0, L:FF)
avrdude.exe: done. Thank you.
Finished!
```