

How to upload the Firmware to MonoPrinters

Frequently users need to upload a new firmware to Mono Printers. This instruction will explain a step by step method about uploading the firmware.

 Check your printer setting if COM port and Baudrate is correctly set. Go to the printer setting [1] and refresh COM ports [2]. You can find a correct COM port which shows USB-Serial CH340 device and the Baud rate should be 115200 for Mono1 and Mono2 printers [3]. If everything is correctly selected, press OK button [4].

- 🗆 X	R Printer Settings	? ×	R Printer Settings		?	×
Models Support Slice Printer Print Misc. 6	Printer Correction Printing		Printer Correction Print	ing	3	
	Printer		C	USB-SERIAL	. CH340	ר
N.A. Stopped Open	Printer COM1 115200 Projector COM1 9600	• •	Printer Projector	COM3 COM3	 ✓ 115200 ✓ 9600 	-
0.1 0.5 🏲 3 10 2.000 😫 🔍	Motor steps (steps / mm)					
-0.1 -0.5 -1 -3 -10 108.000 =	X Y	Z	×	Y	Z	
	10 💠 1600 🜩	1600 😫	10 🜲	1600	1600	
Motor X Position (Miver)	Motor speed (mm / s), acceleration (mm /s^2) Motor speed (mm / s), acceleration (mm /s^2)					
	X Y	Z	×	Y	Z	
🖄 Gì 🙆 N.A0.0 🔄 ↔	500.0 🗢 3.0 🗢	2,0 🛊	500,0 🗘	3,0	\$ 2,0	٢
Motor V Position (Projector)	10 🗘 2 🗘	10 🗢	10 🜲	2	10	-
	Accelerated Accelerated Acc	elerated	Accelerated	Accelerated	Accelerated	± 1
🖄 🖓 🖄 N.A0.0 🖨 ↔	Inverse Inverse Inve	rse	Inverse	Inverse	Inverse	
	Motor position limits (mm)		Motor position limits	(mm)		
Projector	X Y	Z	X	Y	Z	
	3 200 🗘	150 😫	3 🜲	200	\$ 150	
\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc	Shutter angle tune		Shutter angle tune			
	Open Close	e	Open		Close	
	130 😫 90	÷	130	•	90	\$
Display output	Firmware		Firmware			
Querride display 1920 1080	Mono Grbl 0, 8a Grbl 1, 1) Marlin	🖲 Mono i 🔿 G	inbl 0,8a 🔾 Grb	ol 1,1 🔘 Marlin	1
						Λ
Pixei size(um) X 23,00 V Y 23,00 V					~	4
Build size (mm) X 44,16 ♀ Y 24,84 ♀		OK Cancel			OK) (fancel)

- 2. Do not connect the printer. You leave the connection button as unconnected and red icon [5].
- 3. Go to the Misc. tab [6]
- 4. Inside the Firmware box, press 'Click to choose a file' button [7]. You can now select *.hex file on your local disk drive. Please remember there should not be any space character inside a full path name of the firmware file. For example, 'Google Drive' or 'Program Files' will not work if those folder names are inside the full path.

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☑ Firmware Click to choose a file 1	D:/mono1mk2v06_oled,hex 8 ①9
Update Log information will be displayed here	Update Log information will be displayed here

- 5. Once you select a file name, the full path will be displayed in the button [8]. Then press the upload button [9].
- It will take 15-60 seconds depending on your serial ports. During the upload, the MonoWare will freeze for a while. When all uploading is completed, you can see verification messages in the box below [10].

Firmware	Firmware
D:/mono1mk2v06_oled,hex ①	D:/mono1mk2v06_oled,hex 1
******* 100% 4,53s 10 avrdude: 28012 bytes of flash written avrdude: verifying flash memory against D:/ mono1mk2v06_oled,hex: avrdude: load data flash data from input file D:/	###### 100% 3,49s avrdude: verifying avrdude: 28012 bytes of flash verified avrdude done. Thank you.

7. Now the new firmware is uploaded and Mono Printers are ready!

Troubleshooting

- 1. Check if the COM port is disconnected by MonoWare or other serial communication tools (Arduino serial monitor or Termite, etc) before starting uploading.
- 2. Check if the Baud rate is correctly set. Mono1 and Mono2 is programmed with 115200, any other value may cause an uploading error.
- 3. Check if the full path name has space characters.
- 4. Please locate the hex file in the internal hard drive, not usb or external drives.

If you still have issues, please contact us at info@monoprinter.com.

Thank You!