

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	? × 💦 Printer Settin	gs	?	×
Models Support Slice Printer Print Misc. 6	Printer Correction Printing	Printer Correc	-	3	
	Printer	C	USB-SERI/	AL CH340	ר
N.A. Stopped Open	Printer COM1 I 115200 Projector COM1 I 9600	Print Project	,	 ✓ 115200 ✓ 9600 	-
0.1 0.5 🏲 3 10 2.000 😫 🔍	Motor steps (steps / mm) Motor steps (steps / mm)				
-0,1 -0,5 -1 -3 -10 108,000 \$		Z X	Y	Z	
Pos? 0.000 ÷ >>	10 💠 1600 🚖 160	10 😫 10	\$ 1600	1600	•
Motor X Position (Mixer)	Motor speed (mm / s), acceleration (mm /s^2) Motor speed (mm / s), acceleration (mm /s^2)				
	X Y	Z X	Y	Z	
🖄 🛱 🖄 N.A. 🛛 0.0 😫 🕂	500.0 🗢 3.0 🗢 2.0	500.0	\$ 3,0	2,0	•
Motor Y Position (Projector)	10 2 10		÷ 2	10	•
	Accelerated Accelerated Accele			Accelerated	
🖄 🛱 🖄 N.A. 🛛 0.0 🖶 🕂	Inverse Inverse Inverse	a 🔽 Inverse	Inverse	Inverse	
	Motor position limits (mm)	Motor positi	on limits (mm)		
Projector		z ×		Z	
	3 200 150	0 😫 3	200	150	•
\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc	Shutter angle tune	Shutter angl	e tune		
	Open Close		Open	Close	
	130 🔹 90		130 🗘	90	•
Display output [1] - 1920 x 1080 💌	Firmware	Firmware			
Override display 1920 \$ 1080 \$	Mono Grbl 0,8a Grbl 1,1 N	farlin 💿 Mono	🔾 Grbl 0,8a 🛛 G	àrbl 1,1 i 🔘 Marlin	
					Λ
				<u> </u>	4
Build size (mm) X 44.16 🜩 Y 24.84 🜩		OK Cancel		OK (a	ancel

- 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
******* 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!