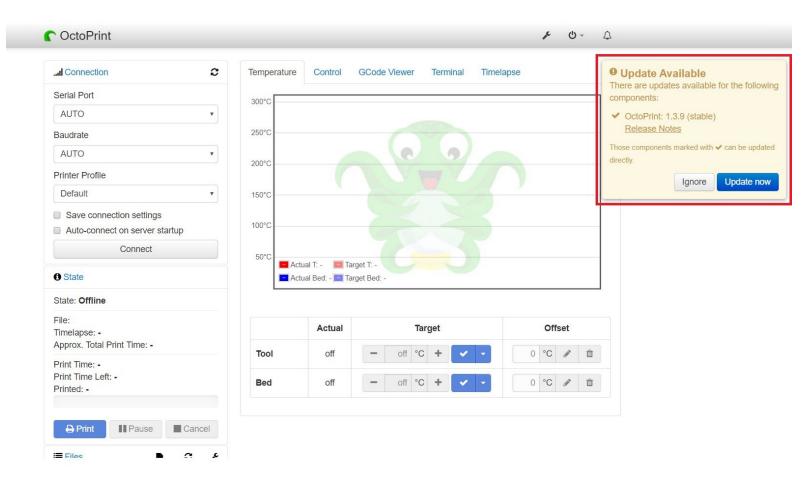


Setup Guide: DIY CANVAS Hub (OctoPi + CANVAS and P2 Plugins)

The following steps will walk you through how to create your own CANVAS Hub.

Written By: Mosaic Support



INTRODUCTION

If you are building your own CANVAS Hub, you'll be able to connect your printer and Palette via OctoPrint to control, load, and start your print files. The following steps will walk you through how to install the necessary plugins if you already have a Raspberry Pi with OctoPrint and would like to create your own CANVAS Hub.

This setup guide is intended for users with an existing OctoPrint server setup and connected to your printer. If you do not have OctoPrint setup we would advise that you visit <u>https://octoprint.org/</u> to setup your own OctoPrint server and then continue with this guide or purchase CANVAS Hub and follow the guide <u>Setup Guide: CANVAS Hub</u>. If you choose to use our free OctoPrint CANVAS plugin you will have the same abilities as CANVAS Hub users to control, load and start prints with your Palette 2 (Pro) (S) and printer.

Step 1 — Update OctoPrint

Connection	C	Temperature	Control	GCode \	lewer	Terr	ninal Time	lanse				Update Available
Serial Port	~		Control	oodde		Turi		apoe				There are updates available for the following
AUTO		300°C										 components: ✓ OctoPrint: 1.3.9 (stable)
Baudrate		250°C										Release Notes
AUTO												Those components marked with 🗸 can be updated
Printer Profile		200°C										directly.
Default		150°C										Ignore Update now
Save connection settings Auto-connect on server startup		100°C										
Connect		50°C										
State		E A	ictual T: - 🛛 🧮 Ta ictual Bed: - 💻 Ta									
State: Offline												-
File: Timelapse: - Approx. Total Print Time: -			Actual		Tai	rget			C	offse	t	
Print Time: -		Tool	off	-	off °C	+	× -		0 %	C /	Ê	
Print Time Left: • Printed: •		Bed	off	-	off °C	+	× •		0 %	C 0	Ê	

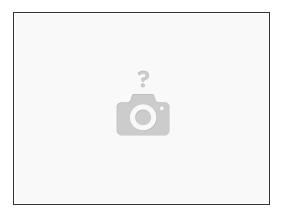
 Open the OctoPrint interface and update to the latest version of OctoPrint.

Step 2 — Install New Plugins

	OctoPrint Settings	Install new Plugins ×
CoccoPrint C OctoPrint C O - O	Concernment Animalian Factor Animalian Factor Animalian Factor Concernment Program Bream ConcernmentProgram <td>Local and Turney and Activity a</td>	Local and Turney and Activity a

- Once updated, select the **Settings** icon.
- Once in the Settings window, select Plugin Manager. Scroll to the bottom of the page and select Get More....
- You'll enter the Install new Plugins... screen. From here, you'll be able to install a plugin from URL.

Step 3 — Install Plugins



- Copy and paste the following file destinations URLs in the following order. Note: These plugins will need to be installed individually to be successful.
- Palette 2 plugin file destination URL: <u>https://gitlab.com/mosaic-mfg/palette-2-...</u>
- Canvas plugin file destination URL: <u>https://gitlab.com/mosaic-mfg/canvas-plu...</u>
- Do not directly download and unzip the files. The plugins will only work when installed from URL in OctoPrint.
- Please also note that if you have any existing GCode scripts on your OctoPrint, this may affect certain CANVAS Plugin and P2 Plugin functionalities, such as filament loading. Please consider reviewing/removing conflicting scripts if certain functionalities are not acting as they should.

Step 4 — Restart OctoPrint

				CANVAS Hub	• ڻ عر
Infrast the Plagin Republicity Search	C S S S S S S S S S S S S S S S S S S S	I can be Page Agenetication	Plugin management log wind Pates 2 × Anstart is reached for the charges to take effect (Restart rook)	Connection 2 Serial Port AuTO • Baudate AuTO • Baudate AuTO • Printer Profile Enter 3 • Save connect on series startup Connect Stafe Stafe Stafe Stafe Stafe Stafe Stafe Fair Hore: - Printer Printer - Printer Printer - Printer Printer - Printer - Canneet	Platfie 2 CANAG Temporature Control Timetapue Terminal Platfield 2 Connection Status: Nat Connected Manufal. Status Dat Connect to Plantin 2 Disconnected Manufal. Status No organity Plantin 2 Disconnected Manufal. Status No organity Plantin 2 Disconnected Filament Used: 0.00m Latest Ping: Ping 0 — % Latest Pong: Ping 0 — % Manufal Controls Cont Chair Plantin 2

- Once completed, you'll be prompted to restart your OctoPrint server. Proceed with the restart.
- Once the server has been restarted, the interface will now be updated to the CANVAS Hub interface. You should see two additional tabs: CANVAS and Palette 2.

Step 5 — Link Your CANVAS Account

# CANVAS Hub	• ٥ -	E CANVAS Hub 🖌 🖉 •	Palette 2 CANVAS Temperature Control Timelapse Terminal
Connection 2	Palette 2 CANVAS Temperature Control Timelapse Terminal	Connection 2 Palette 2 CANVAS Temperature Control Timelapse Terminal	Palette 2
Serial Port AUTO Basadate AUTO Finiter Prote Ender 3 Auto connection settings Auto connect on server startup Connect	CANVAS Connection Status: Not Connected(O) UsernameEmail: Password: Line a CANVAS Account Liont have an Account?	Serial Port ArTO ArTO ArTO Connected to CANVAS Connected to CANVAS Connected to CANVAS Connected to CANVAS UsernameEmail Passend Ender 3 Second connection setings Auto-connect newserstamp Connect Connect Connect Connected to CANVAS Connected to C	Connection Status: Not Connected Manualy.Select.Part Connect to Partial 2 Disconnected Status No orgoing Partie 2 print Current Splice: 0/0 Splices
State State: Offline File: Uploaded: Timelapse: - Approx. Total Print Time: -		State Mosaic-mfg-3dp is now linked to this CANVAS Hub. File: Vanishand Approx. Total Pint Time -	Filament Used: 0.00m Latest Ping: Ping 0 % Latest Pong: Pong 0 %
Print Time: - Print Time Left: - Printed: - Print Pause Cancel		Pret Time J. Pret Time Lut - Preter - Pret Passe Cancel	Manual Controle Cut. Clear Patente 2

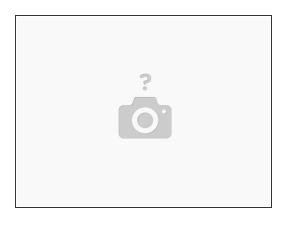
- Select the CANVAS tab to link your CANVAS account. Login using your username and password.
- Once your account has successfully been linked, you'll receive a confirmation.
- Once you're ready to connect your Palette 2, click on the dropdown menu next to the CANVAS tab to select Palette 2. Connect your printer by selecting Connect from the 'Connection' box. Please ensure your Palette 2 is plugged in, turned on and connected to one of your Raspberry pi ports.

Step 6 — Optional: OctoPrint Interface

ctornin setting:		
	CANVAS Settings	
Serial Connection	Display CANVAS Theme	
Printer Profiles		
Temperatures		
Terminal Filters		
GCODE Scripts		
FEATURES		
Features		
Webcam & Timelapse		
GCODE Visualizer		
API		
OCTOPRINT		
Server		
Folders		
Appearance		
ogging		
Plugin Manager		
Software Update		
Announcements		
PLUGINS		
Action Command Prompt		
CANVAS		
CuraEngine (<= 15.04)		
Palette 2	*	
B About OctoPrint		Close Save

 If you would ever like to switch back to the old OctoPrint interface, open the Settings menu, select CANVAS under 'Plugins', and uncheck the 'Display CANVAS Theme' option.

Step 7 — Start Printing!



• You're now ready to use your CANVAS Hub and Printer! Please proceed to <u>this support article</u> to print with your CANVAS Hub, Palette 2 (S) (Pro), and printer.

If you have any additional questions, please send us a message at <u>support@mosaicmfg.com.</u>