MakerGear M3 LCD Installation

Product Guide

Overview

This guide will help you connect your LCD upgrade to the M3 Printer.

MakerGear LCD & USB Manager - Plugin Description:

Our LCD plugin allows connectivity between the touch screen and OctoPrint.

This USB manager plugin gives the option to use a USB hard drive to transfer files to your printer.

> **Please note:** The USB has to be formatted to the "Fat32" filesystem in order to be seen by the printer. Make sure you backup your documents before formatting the USB.

Offline Installation:

Please follow these installation steps if your printer doesn't have access to the internet.

1. Using a computer that is connected to the internet, go to the plugin URL (located on the next page) and download the .zip installation file for each plugin.
2. Connect to your OctoPrint web page.
3. Open the Settings menu (The wrench icon on the top right corner).
4. Go to the "Plugin Manager" tab and then select the "Get More…" button.
5. Select "Browse" and open the downloaded .zip file and then press "Install".
6. Repeat Step 5 to install the second plugin.
7. Restart OctoPrint and reload the web page.
8. Open the Settings menu and select the "UsbFileMan Settings" tab.
9. Select "Install Offline" and then restart OctoPrint.
10. Connect the LCD screen to the USB port on the back of the printer to finish the installation!

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Online Installation:

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Step 1: Install the LCD Plugin

1. Connect to your OctoPrint Web Page.
2. Go to the Settings menu (The wrench icon on the top right corner).
3. Select the tab "Plugin Manager" > followed by clicking on the "Get More…" button.
4. Copy the URL of the plugin (as shown below) into the "Enter URL" field.
   - https://github.com/MakerGear/OctoPrint-Mglcd/archive/master.zip
5. Select "Install"

Step 2: Install the USB Manager Plugin

1. After that is complete, Copy the URL of the plugin into the "Enter URL" field.
   - https://github.com/MakerGear/OctoPrint-usbFileMan/archive/installer.zip
2. Select "Install".
3. Once that's completed, please reboot the printer.
   - (A restart is needed for the changes to take effect)
4. Reload the OctoPrint web page -> Settings menu -> select "UsbFileMan Settings".
5. Select "Install Online".

Step 3: Plug the LCD into the Raspberry Pi

 You'll need to create a folder on your USB named "toPrint" for storing your gcode files.

- **Example:** USB:\toPrint\

When you connect the USB into the back of the Raspberry Pi, you'll see your gcode files within the "USB" folder on the LCD, or when connected to OctoPrint.

> **Please note:** The USB has to be formatted to the "Fat32" filesystem in order to be seen by the printer. Make sure you backup your documents before formatting the USB.