

MakerGear M3 LCD Installation

Product Guide

Overview

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

- Please verify that your printer is connected to the internet before proceeding.

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.
 - o <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.
 - o <https://github.com/MakerGear/OctoPrint-usbFileMan/archive/installer.zip>
2. Select “Install”.
3. Once that’s completed, please reboot the printer.
 - o (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

With the LCD now connected, go ahead and test feature functionality

1. Set and turn off your printer’s bed / hotend(s).
2. In the “Control” menu, select “Home All” to jog all of your axis.
3. Lastly, go to the “Status” menu and verify that the Hostname is your printer.

USB Manager - Plugin Information:

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

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

Please note: Your USB hard drive has to be formatted to "Fat32" in order to be seen by the Raspberry Pi. Make sure you backup your documents before formatting the USB.