

# Muse Fiber Galvo Quick-Start Guide

## A. Install the Scanhead

When moving the unit make sure you have a lifting partner as the laser system is over 50lbs.

Place the Galvo unit at the edge of a sturdy table with the black rail accessible from the bottom.

Plug power cable into inlet on rear of the machine.

With the lens aperture facing downwards, align the wheels on the scan head to the black rail.

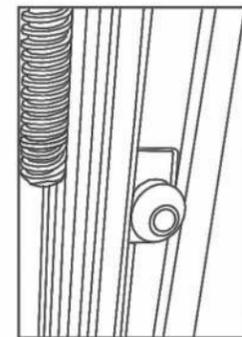
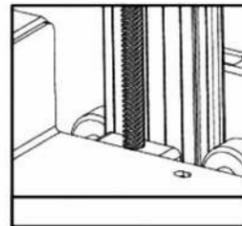
Slide the scanhead up and hold so it's just below the threaded Z-axis rod.

Power on the main body, press HOME LASER in the tools menu of the touchscreen. Hold the scanhead, being careful of moving parts, and allow it to bite the rod and raise from it's held position.

Press HOME LASER again until the laser head reaches the top and stops.

Near the bottom of the black railing, on the inner side where the rear of the scanhead is mounted, find the spot adjacent to the end of the threaded Z-axis bolt.

Using the T-Bolt that came with your Galvo, install it inside that spot of the railing so the scanhead cannot lower below the Z-axis or fall off.



## B. Connecting to the Laser

You can connect to your laser in 3 different ways.

### Wi-Fi Connection

Connect the Wi-Fi USB Adapter to the USB port on the rear of your machine. From the touchscreen navigate to the network menu and look for your Wi-Fi. Follow the prompts to connect.

### Networked Ethernet

Connect the Ethernet cable to the rear of your router/modem. If it isn't near your laser workspace you may want to obtain an ethernet cable of appropriate length. Connect the other end to the ethernet port on the rear of your machine.

### Direct Connect Ethernet

Connect the Ethernet cable to the port on the rear of the machine. Connect the other end to the ethernet port on your computer. Some computers may require an Ethernet to USB adapter.

Once you've got a connection method, go to the touchscreen on your laser. At the top will be a blue bar with your network type and a number similar to 000.000.0.00. Open a browser and input that in the URL bar to access RE3 to control your laser.

## C. Auto-Focusing your Laser

Provided with your laser is an anodized aluminum card with a QR code on it. This is an Auto-Focus card for the laser's camera.

Place this card atop your engraving material, though you may need to secure it with a bit of tape.

Run the Auto-Focus function.

It works best when placed on the workspace below the camera and not the lens itself. The camera judges the Z-axis distance for the lens and once this is set, you can use RE3 and the Run Perimeter function to place the X and Y positions of your project.



Auto-Focus Card Symbol

# Safety Guidelines

The following safety guidelines are meant to highlight the most common safety violations. Use of controls or procedures other than those specified may result in hazardous radiation exposure, fires, or electric shock. Please see your laser's manual for a complete listing of safety protocol.

## ! General Safety

- Never** Leave laser unattended while running.
- Always** keep machine on a clean, level, and open workspace free of clutter; that is classified to hold its weight.

## 🔥 Fire Safety

- Keep** laser system and workspace clear and clean of debris.
- Make sure** you have a 5lb or larger fire extinguisher outside of risk area. Full Spectrum Laser recommends Halotron extinguishers for ease of cleanup. Dry chemical extinguishers are also effective.
- Keep** a first aid kit outside of risk area designed for burn and smoke inhalation treatment.

## ☀️ Laser Safety

- Never** cut unknown material, always check MSDS for any hazards.
- Always** have proper ventilation and exhaust
- Do not** look directly into the beam.
- Be Aware** that modification or disassembly can expose a Class 4 laser system or high voltages which can increase the risk of harm or fire.

## ⚡ Electrical Safety

- Power Cut Off** can be controlled from the switch at the back of the machine. To power on press the (-) side down, to power off press the (o) side down. You can also unplug the machine from either the rear or it's outlet.
- Do not** make or break any electrical connections when the unit is powered on.
- Do not** access or tamper with any electronics unless specifically directed to by support.

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