

EN



Quick Start Guide

For GM Pro

For helpful tips and instructional videos, visit our Help Center or join our official laser group!

If you encounter any issues with your engraver, please contact us. Our support team will respond promptly to resolve your concerns.

Official Website: monportlaser.com

Technical Support: support@monportlaser.com

Support Tel:

+1 (332) 269-8209 | 09:00–18:00 PST

+1 (917) 673-8904 | 18:00–02:00 PST

Read Carefully Before Use
Keep for Future Reference

1. Preparation

1.1 Unpacking

Open the packaging and take out the machine and accessories. Check that all items are included.

Item	Qty	Notes
GM Pro Fiber Laser Engraver	1	
USB Cable	1	2 Meters
Power Cord	1	1.5 Meters
USB Flash Drive	1	
Quick Start	1	
Goggles	1	
Wrench Set	1	
Ruler	1	40 cm
Foot Switch	1	
Positioning Bars	2	
Screws M6x12	4	
Screws M6x10	4	
Screws M5x16	4	
USB to Type-C Adapter	1	
Test Aluminum Sheets	10	

1.2 Installation

The installation is straightforward. You only need to connect 1 motor cable and screw in 8 screws. Place the machine on a stable surface, such as a sturdy desktop or the floor.

Steps to Install:

- ① Connect the mainframe and vertical arm terminals.
- ② Install the vertical arm: Screw in 4 screws.
- ③ Install the optical path section: Screw in 4 screws.
- ④ Plug in and turn on the Main Power Switch on the back of the machine; then turn on the Laser Switch on the front. The machine will now be powered on.

1.3 Autofocus Instructions

The Autofocus function is simple to use.

Steps to Use Autofocus:

- ① After powering on, place the material under the red autofocus light.
- ② Press the autofocus button on the front of the machine and wait a few seconds for the process to complete automatically.

Note: You can also adjust the height manually using the **Up and Down buttons** for fine-tuning to defocus.

2. First Time Using LightBurn with GM Pro

2.1 Download LightBurn

Go to the LightBurn official website and download the latest version:

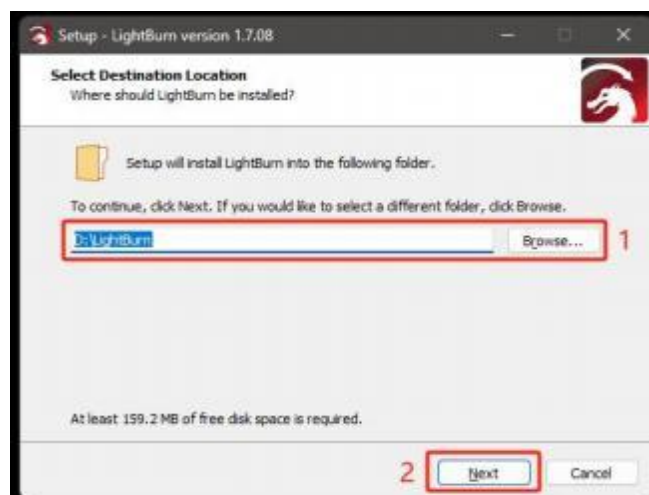
<https://lightburnsoftware.com/pages/download-trial>



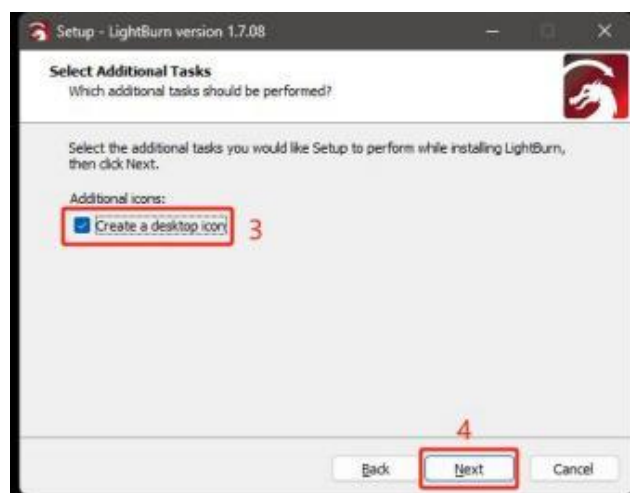
If this is your first time using LightBurn, you will get a 30-day free trial. To continue using the software after the trial, you must purchase the LightBurn Pro Version.

2.2 Install Lightburn

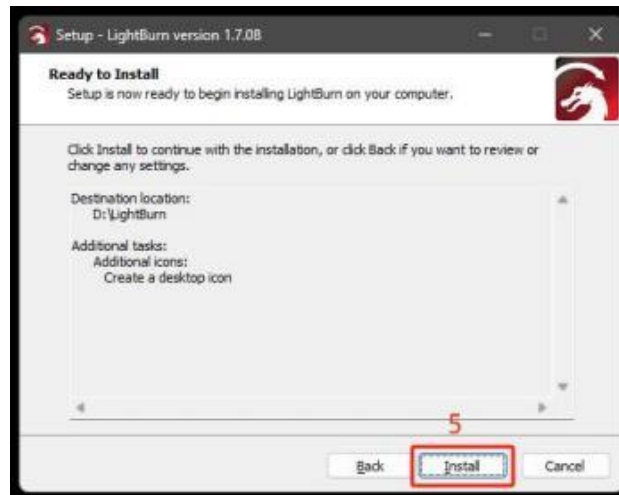
① Open the LightBurn installation program and select the installation path (the default path is usually fine). Click “Next”.



② Choose whether to create a desktop shortcut. Check “Create a desktop icon” if desired, then click “Next”.



③ Confirm the installation settings and click “Install”.



④ When prompted, click Install Ezcad2 driver (used by galvos), then click Finish to complete the installation.



⑤ If a driver installation window pops up, follow the prompts to complete the driver setup. The software will not function properly without the driver.

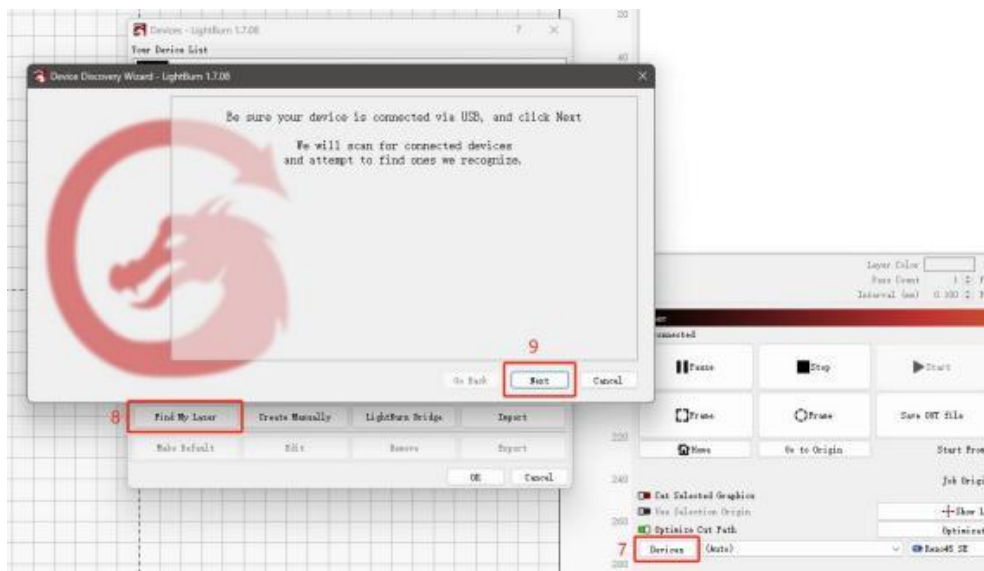


Notes:

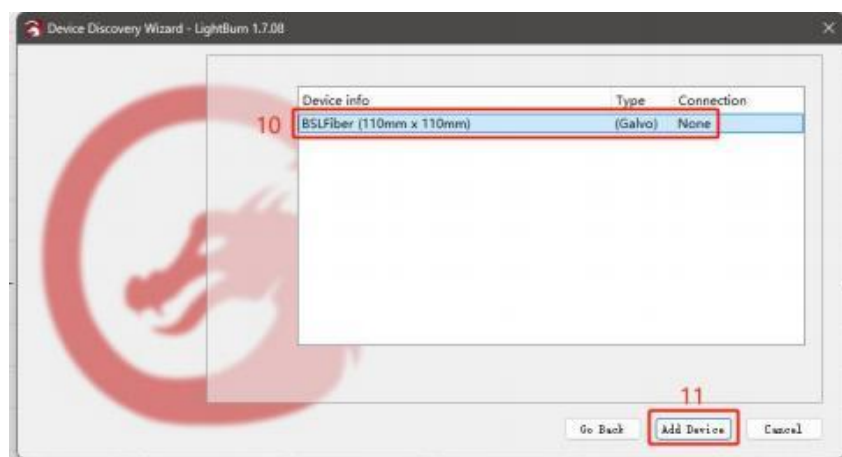
- During installation, pop-up windows may appear asking you to install the driver or runtime library. Just follow the prompts to install it. This is due to the lack of the software operating environment on the computer.
- If the installation program fails to open or upgrade error occurs, it may be due to: Software incompatibility with your computer; or a mismatch between the software version and your operating system. In this case, visit the LightBurn official website to download a version compatible with your computer.

2.3 Connect GM Pro with LightBurn

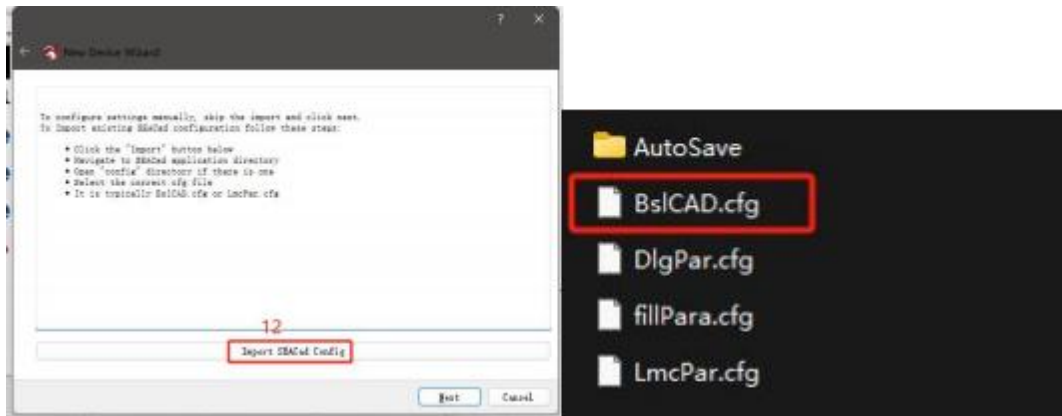
- ① Power on your GM Pro and connect the data cable.
- ② Open LightBurn.
 - A 30-day trial pop-up window will appear. Click “OK ” to continue.
 - A software instruction pop-up will appear. Click “OK ” to proceed.
- ③ When the Select Device window appears, click “Find My Laser”, then “Next” to search for your machine.



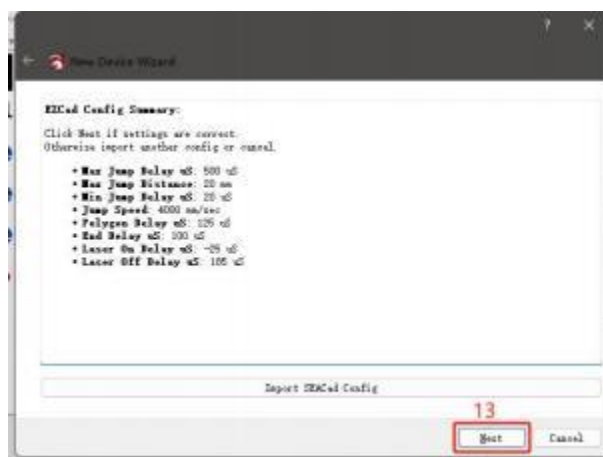
- ④ You can see your GM Pro in the device list. Select it and click “Add Device” to add it to LightBurn.



⑤ Click “Import SEACad Config”. Import the file BslCAD.cfg from the USB drive: SLAppSimple5.2.6.8700 \ config.

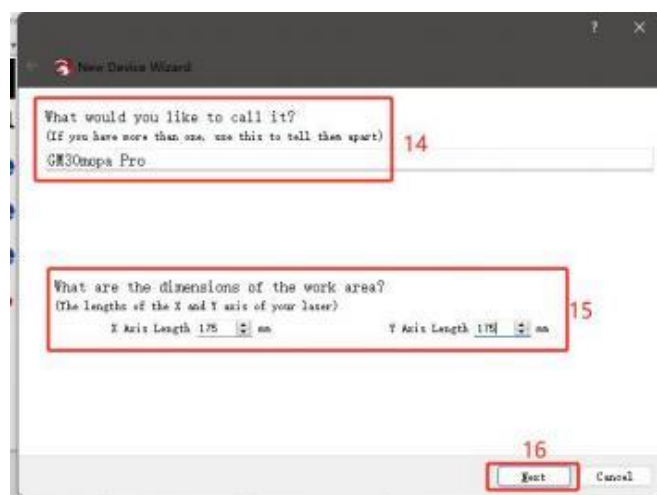


⑥ Click “Next”.

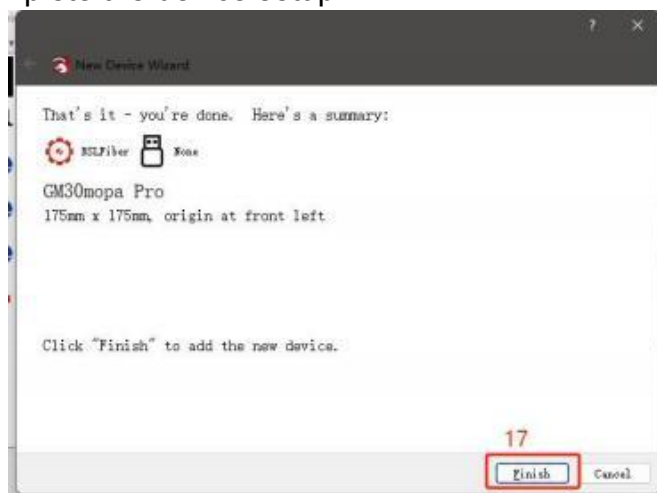


⑦ Set the engraving machine information: you may assign a custom name to the device; or set the stroke (engraving area) according to your engraving machine model. Click “Next” to proceed.

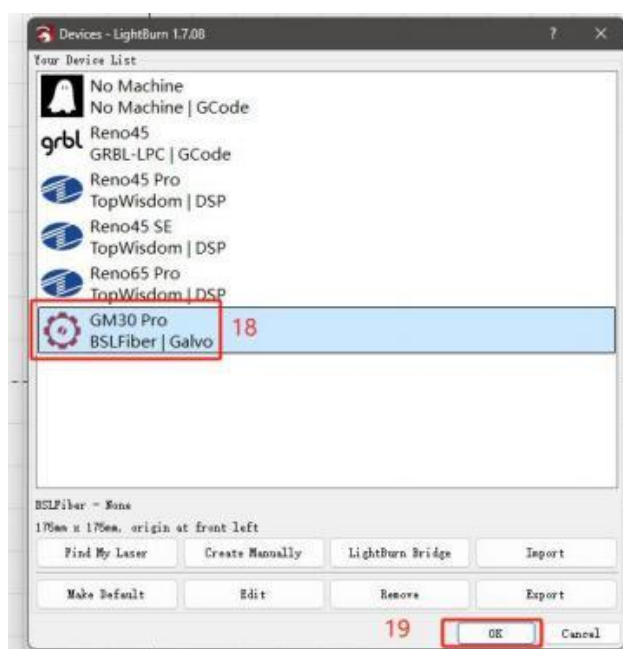
Model	Stroke (Engraving Area)
GM20 Pro	110 × 110 mm
GM30 Pro	150 × 150 mm
GM30mopa Pro	175 × 175 mm
GM60mopa Pro	175 × 175 mm



⑧ Click “Finish” to complete the device setup.



⑨ Select your GM Pro device and click “OK” to enter the software.



⑩ When “Ready” is displayed, the connection is successful and you can now start creating.

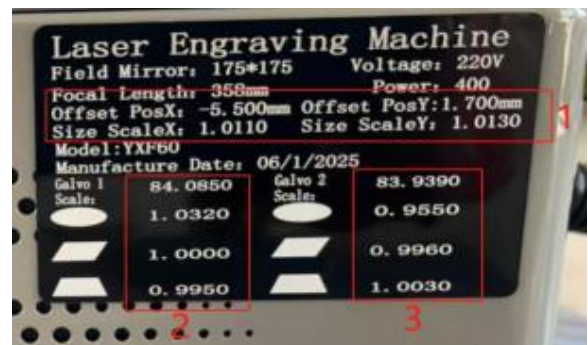
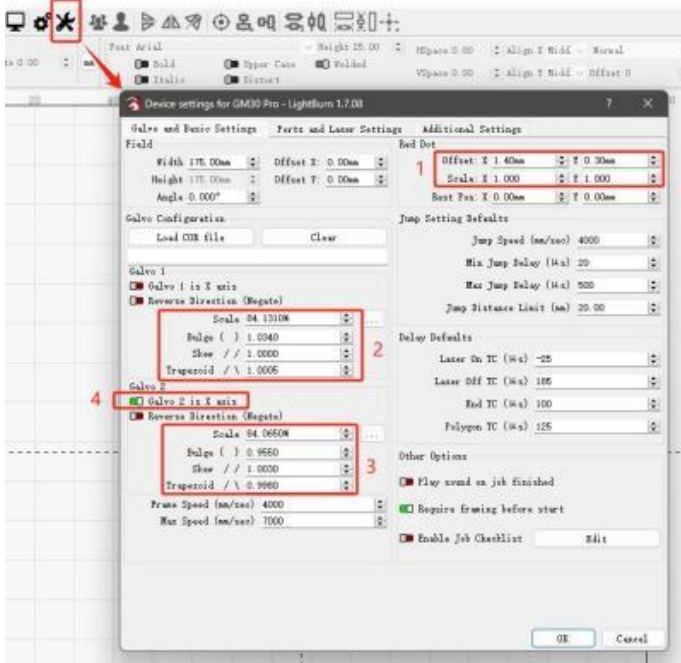


2.4 Parameter Settings

Click the set icon in LightBurn to open the settings menu.

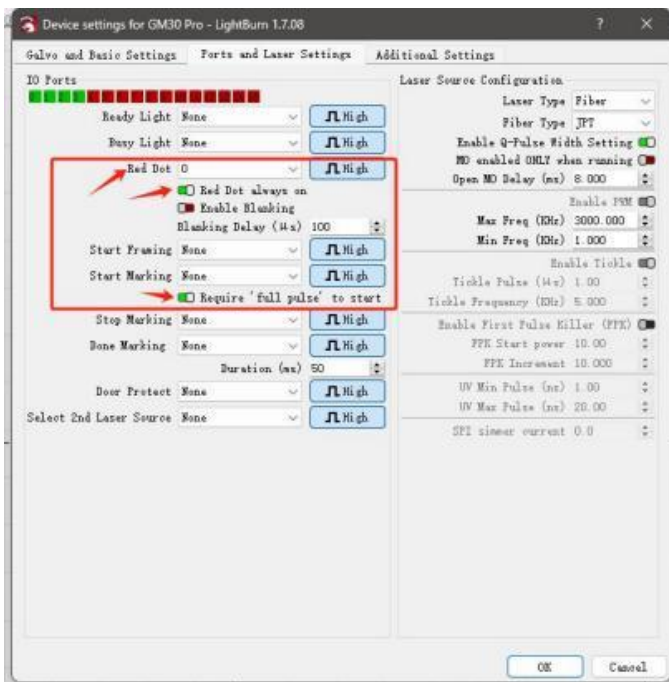
Galvo and Basic Settings:

Modify the device parameters according to your device nameplate. Set Galvo 2 as the X axis.



Ports and Laser Settings:

IO Ports: Modify the settings as shown in the figure provided.



Laser Source Configuration:

- **Laser Type:** Fiber
- **Fiber Type:**
- **RAYCUS:** GM20 Pro, GM30 Pro, GM50 Pro
- **JPT:** GM30mopa Pro, GM60mopa Pro
- **Enable Q-Pulse Width Setting:** Do not check for GM20 Pro, GM30 Pro, GM50 Pro. Check for GM30mopa Pro, GM60mopa Pro
- Click "OK" to save settings.

Note: For software tutorials, visit the official LightBurn resources:

Video tutorials: <https://lightburnsoftware.com/pages/tutorials>

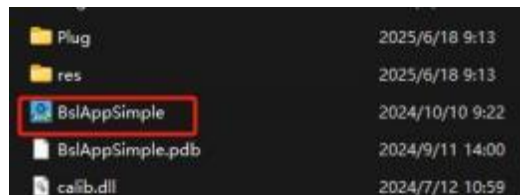
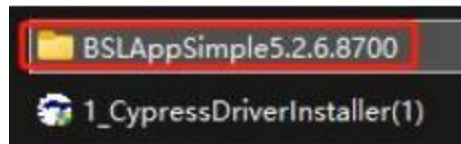
Documentation version: <https://docs.lightburnsoftware.com/latest/>

3. First time using BSLAppSimple to connect to GM Pro

- ① Power on your GM Pro and connect the data cable.
- ② Install the driver program from the USB drive following the on-screen instructions.



- ③ Open BSLAppSimple. The software will automatically connect and you can start processing directly.



Notes:

- For more intuitive video tutorials, please contact Monport Technical Support.
- For any questions regarding the GM Pro, our support team is available to provide professional assistance:
- Email: support@monportlaser.com