

LightBurn user manual



Dear Customer,

If you have any issues/questions regarding the contents in the kit, please fill out a Service Ticket on our Support page.

Thank you for purchasing ACMER Laser Engraving Cutting Machine. We are dedicated to producing low-price, high-quality Laser Engraving Cutting Machine and hope you have as much fun using it as we did create it.

If you have any issues/questions regarding the contents in the kit, please fill out a Service Ticket on our Support page creating a Service Ticket will serve as your official request for ACMERsupport. Our Customer Support Team will contact you within 48 hours.

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First of all, lightburn is a third-party software. Because its functions are relatively complete and suitable for most laser engraving machines in the market, we recommend you to use this software.

Secondly, lightburn gives new users a 30 day trial period. If you need to use it continuously, you need to pay for it.

Lastly, if you encounter any problems in using lightburn, you can get technical support from our community.

<https://www.facebook.com/groups/636514078064476/>

Tips: Before you use lightburn to operate the engraving machine, please ensure that your computer has installed the CH340 driver. If not, please install the driver according to the instructions on page 16 of the manual.

2.1 Obtain the LightBurn software installation package

2.1.1 Get the software installation package from the official website

<https://lightburnsoftware.com/pages/trial-version-try-before-you-buy>

Download & Trial - Try before you buy



This is where you download LightBurn. If you're seeking a commercial software license, you'll need to purchase it. But you can also get the software without any licensing fees.

If you're interested in the trial version, you'll need to provide your email address to receive a trial key. We offer a 30-day trial period with full access to all features. There's no need to provide your credit card information to try the software.

If you're looking for a way to use the software without a license, you can use the trial version. The trial version is available for 30 days. You can also use the software for a limited time.

Important note: If you're using the trial version of LightBurn, you'll need to provide your email address to receive the trial key. You can also use the software for a limited time.

The links below will let you download the different versions of LightBurn PC 2.0:

[Download for 64-bit systems](#)

[Download for 32-bit systems](#)

[Download for Linux](#)

[Download for Raspberry Pi 4](#)

Select the version suitable for your computer to download

If you need to download an older version of LightBurn, you can find it on the [LightBurn website](#).

If you wish to see what's changed with each version of LightBurn, please visit the [LightBurn changelog](#).

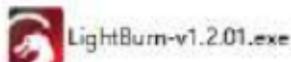
2.1.2 Get the software installation package from the official website

The attached memory card has a pre downloaded installation package. The version may lag. You can manually update to the latest version after installation.

- Operating instructions
- parameters table
- software and drive
- testfile
- lightburn_project_10W.gc

- Mac drive
- Win drive
- laserGRBL.exe
- LightBurn-v1.1.04.exe

2.2 installation



Double click the install program to install the software, This version is not necessarily the latest version.



Check create desktop icon
click Next



click Next



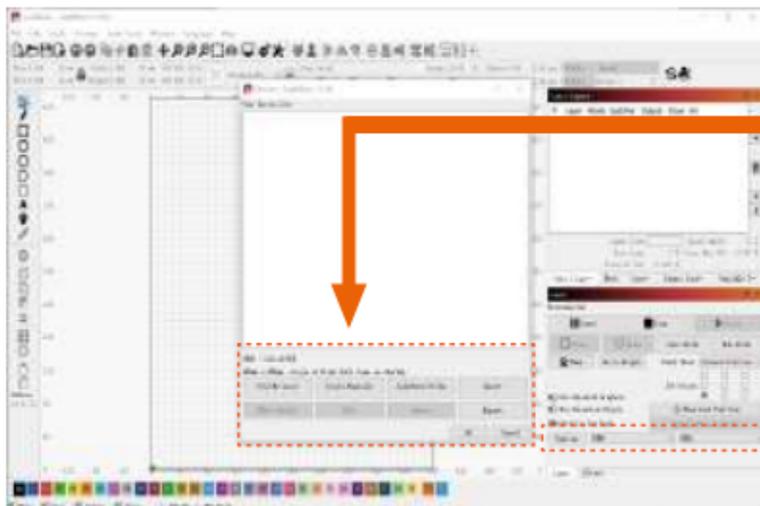
Check the last item
click Finish

3.1 creat device

3.1.1 Normally, when you open the software for the first time, you will be prompted to create a device.



3.1.2 If there is no prompt or the dialog box is closed accidentally, you can modify it here



3.2 creat device



choose Create Manually



choose GRBL, then click Next



choose Serial/USB



Name your device and set your engraving range

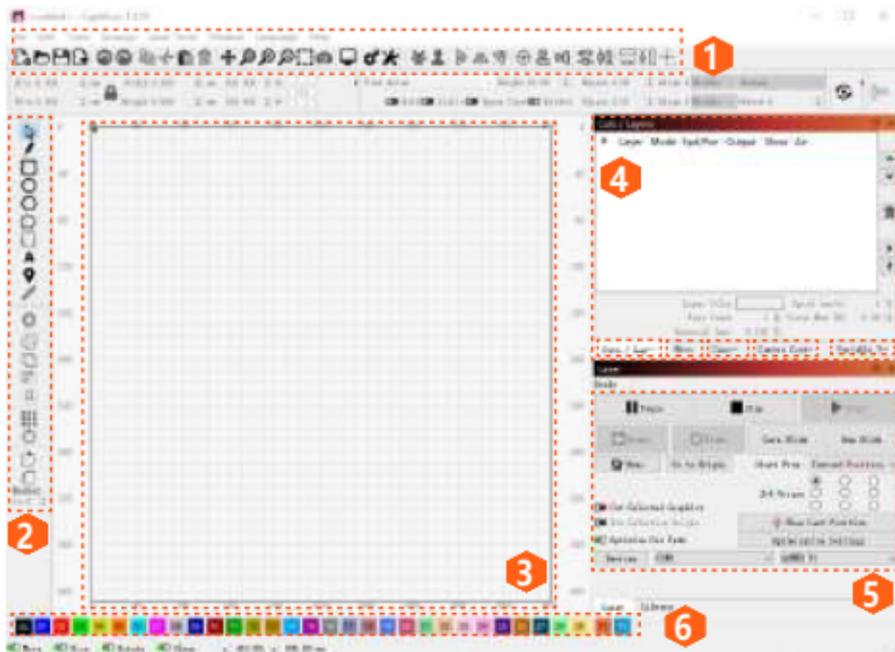


Choose Rear Left as the origin of your device



Confirm your equipment parameters and click finish

4.1 Software introduction



1.Function bar: Here you can open or save the software, adjust the parameters of the software, including the language, and the basic parameter settings of your device.

2.Drawing tool bar: Here, you can use the graphics tools of the software to create the graphics or text you want.

3.Image display area: Place the picture or figure you want to engrave in this area, and the area size corresponds to the actual engraving range of your device.

4.Machine status bar: There are many windows in this area. You can see the real-time instructions of the machine operation, the basic parameters and line layers of the graphics you want to carve, etc

5.Online operation bar: In this area, you can operate your machine online, such as starting or stopping engraving, predicting engraving borders, etc

6.Line layer bar: Select different line layers for your graphics to adjust different parameters

5.1 Connect USB



Connect the computer



Connect the machine

5.2 Software Settings

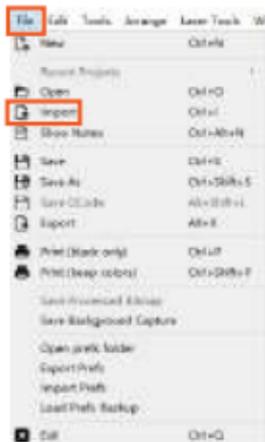
Select the right port and the right machine



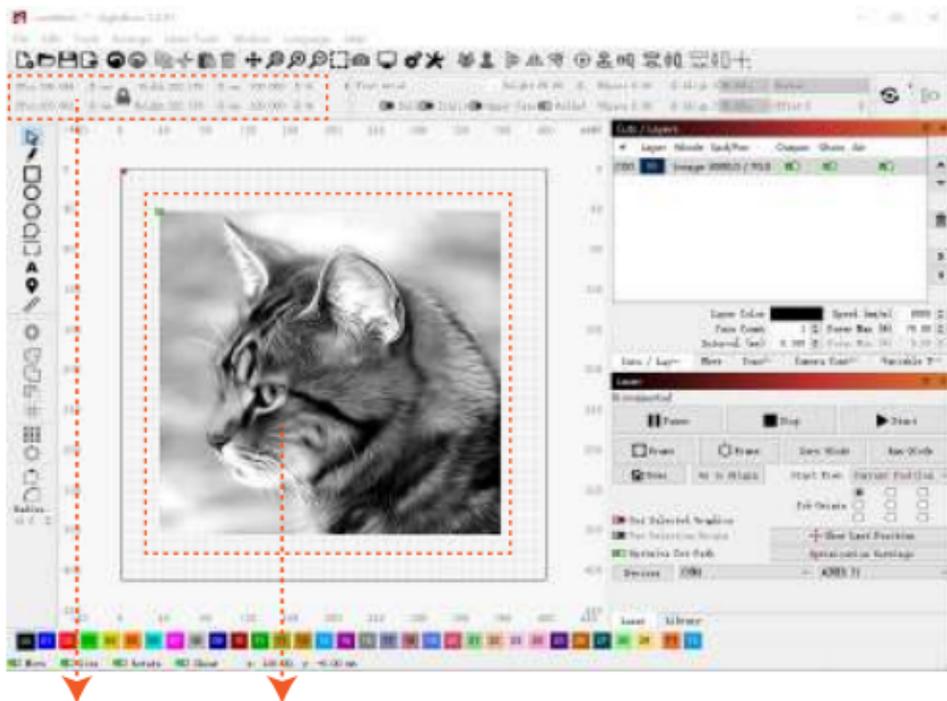
If the connection is successful, the control bar window will prompt 'OK'.

Tip: Before connecting the machine, please confirm that your computer has installed the CH340 driver. If not, please install the driver according to the operating instructions in the manual. Confirm that your bit rate is 115200. See the previous page for baud rate settings. Confirm that the port is not occupied.

6.1 Load image

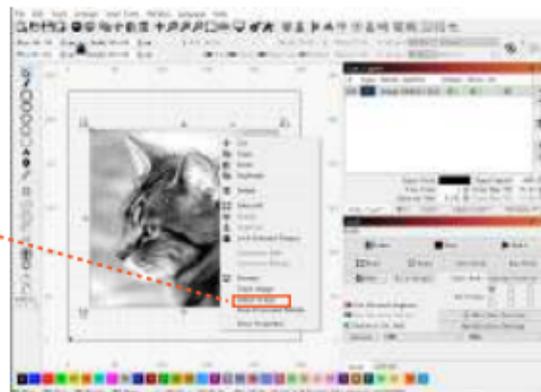
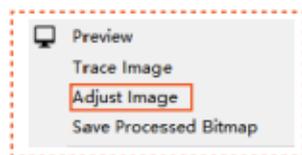


Choose 'File' --> 'Import' to load your picture.



Tips: Make sure your picture is within the range of 400mm* 410mm and cannot exceed the solid wireframe. You can adjust the size and position by entering values or scaling the picture.

6.2 Adjust image



Right click the image and select Adjust Image. In the pop-up dialog box, adjust the brightness, contrast and other parameters of the image to ensure a good carving result.

7

Begin engraving

7.1



1. Switch from 'Cut / Layers' window to 'Move' window.
2. Move the laser head to the appropriate position by button or manually.
3. Set engraving origin point.
4. Click Frame to let the engraving machine simulate the engraving range to ensure that the laser head can carve normally within the engraving range. Repeat steps 2 and 3 if the scope is inappropriate.
5. After everything is OK, you can start carving.