



## 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.

# Install LightBurn

## 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 already a customer, software license updates period has not expired, click the link below to get the software license - your existing license will activate it.

If you're not here now, you need to be sure that LightBurn will work on the device you intend to use. We offer a 30-day trial period with full functionality. Please check things out on our forum first - there is the full story on compatibility, so to speak.

If you're already using the software, you can license your machine permanently, please contact us on our forum, email, or phone. We'll give you a license for 30 days, and then you can purchase the software license and find out more about it.

**Please note:** that at the time, the Mac OS version of LightBurn is not available. We will update it as soon as that version of the application gets added to our software library.

The links below will let you download the different versions of LightBurn v1.1.04:

[Download for Mac OS](#)

[Download for Windows](#)

[Download for Linux](#)

[Download for Raspberry Pi](#)

Select the version suitable for your computer to download

If you ever need to download an older version of LightBurn, all of our previous versions are available here: [LightBurn - History](#)

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

### 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

# Install LightBurn

## 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



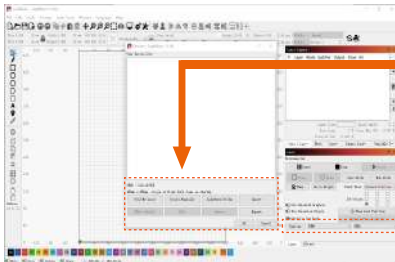
Check the last item  
click Finish

## 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.



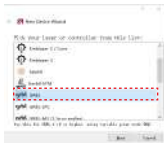
3.1.2 If there is no prompt or the dialog box is closed accidentally, you can modify it here



## 3.2 creat device



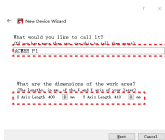
choose Create Manually



choose GRBL, then click Next



choose Serial/USB



Name your device and set your engraving range

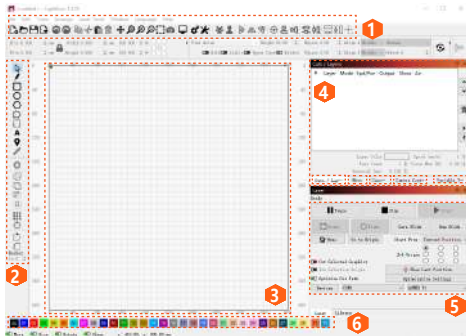


Choose Rear Left as the origin of your device



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.

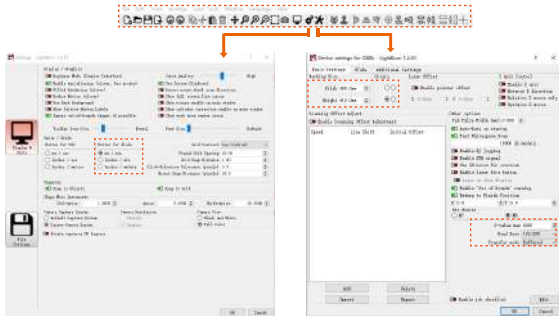
**4.Machine status bar:** There are many windows in this area. You can see the real-time instructions of the machine operation, the basic parameters and line layers of the graphics you want to carve, etc

**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



## 4.2 basic parameter setting



**Function bar:** The parameters of these two items can be set as shown in the figure, and can be adjusted according to special needs. It should be noted that the parameters in the dashed box cannot be changed.

## 5.1 Connect USB



Connect the computer



Connect the machine

## 5.2 Software Settings

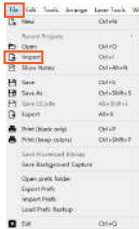
Select the right port and the right machine



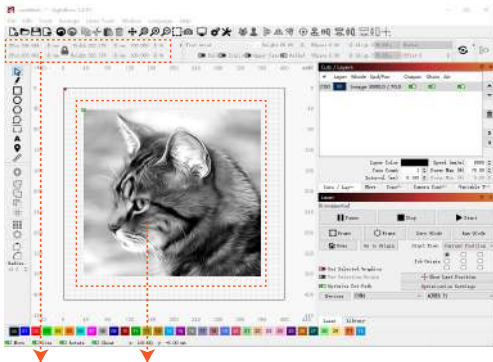
If the connection is successful, the control bar window will prompt 'OK'.

**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



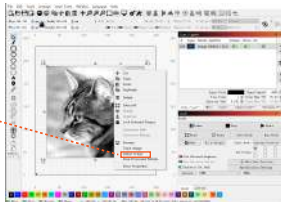
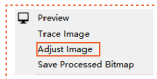
Choose 'File' --> 'Import' to load your picture.



**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.

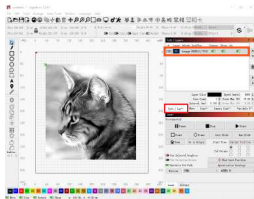
# Import image

## 6.2 Adjust image

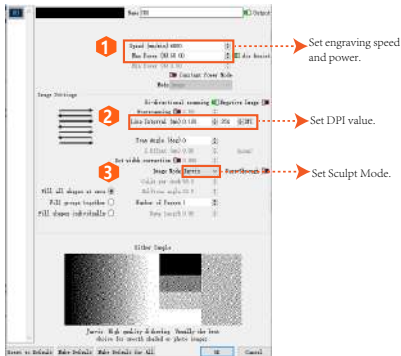


Right click the image and select Adjust Image. In the pop-up dialog box, adjust the brightness, contrast and other parameters of the image to ensure a good carving result.

## 6.3 set engraving parameters



Double click the image line layer in the line 'cuts/layers' window, and adjust the corresponding parameters in the order shown in the figure in the pop-up dialog box.



# 7

## Begain 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.