



space®



#MakersGonnaMake

Leather Keychain Project



This project is perfect for anyone who wants to learn about our ULS Laser Cutter.

It teaches the following skills:

- Basic and intermediate setup for the ULS, including manually entering settings and controlling the order the ULS runs jobs.
- Create complex shapes in Adobe Illustrator using basic tools.
- Manipulate text in Adobe Illustrator.
- Engraving on Leather.

Getting Started with ULS Laser Cutter

Our ULS is our original laser cutter here at Do Space. It's a workhorse and capable of several different kinds of jobs, including a rotary attachment for engraving glasses. It uses Adobe Illustrator to send jobs to the laser cutter. If you have not created a free Adobe account, the first thing you'll need to do is create one. <https://accounts.adobe.com>

What's in this kit?

- 1 leather strip
- 1 Chicago screw
- 1 keychain
- A roll of painters tape (please return the unused portion with the kit)

Optional supplies (not provided)

- leather dye or acrylic ink
- permanent markers

Digital Supplies

- SVG files to use as your cut lines:
<https://www.thingiverse.com/thing:4907152>
- Optional digital icons. You can create them in Illustrator or download them. We recommend mono-color and line icons from <https://www.svgrepo.com/>



Getting Started with ULS Laser Cutter

1. Download the files from Thingiverse. <https://www.thingiverse.com/thing:4907152>
2. Watch these videos on the file setup and how to operate the ULS:
<https://youtube.com/playlist?list=PL4LBAOZ-eaE6rjiJXyepiNS5VyNT3KOsh>
3. Decide what you want on your keychain.
 - a. Watch this video on adding text in Adobe Illustrator:
<https://youtu.be/UrtZsNpzTJk>
 - b. Watch this video on creating things in Adobe Illustrator:
https://youtu.be/b_6uEzeAfuM

Already familiar with the ULS and just need the settings?

These settings are specifically for the leather that we purchased from Tandy Leather. If you attempt this on any other leather please run tests first.

Color	Power	Speed
Black	85%	100%
Blue	12.5%	24%
Red	100%	18%