

## GNU/Linux Administration - Support #778

### Compile GRBL on Arch Linux

03/18/2016 09:02 PM - Daniel Curtis

<b>Status:</b>	Closed	<b>Start date:</b>	03/20/2016
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Daniel Curtis	<b>% Done:</b>	100%
<b>Category:</b>	Embedded	<b>Estimated time:</b>	1.00 hour
<b>Target version:</b>	Arch Linux	<b>Spent time:</b>	2.50 hours

#### Description

This is a guide on how I compiled and flashed GRBL on an Arduino UNO using Arch Linux.

### Prepare the Environment

- Make sure the system is up to date:

```
sudo pacman -Syu
```

- Install a few dependencies:

```
sudo pacman -S base-devel git avr-gcc
```

- Install [yaourt](#)
- Install the arduino package from the AUR:

```
yaourt -S arduino
```

### Compile GRBL

- Download the latest GRBL source code from GitHub:

```
git clone https://github.com/grbl/grbl
cd grbl
```

- Compile GRBL:

```
make clean
make grbl.hex
```

### Flash GRBL

- Flash the hex file using avrdude:

```
avrdude -C/etc/avrdude.conf -pm328p -carduino -P/dev/ttyACM0 -D -Uflash:w:grbl.hex
```

### Resource

- <https://github.com/grbl/grbl>
- <https://github.com/grbl/grbl/wiki/Compiling-Grbl>
- <https://github.com/grbl/grbl/wiki/Flashing-Grbl-to-an-Arduino>

## History

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### #1 - 03/18/2016 10:30 PM - Daniel Curtis

- Status changed from *New* to *In Progress*
- % Done changed from 0 to 50

### #2 - 03/22/2016 04:10 PM - Daniel Curtis

- Description updated
- Status changed from *In Progress* to *Resolved*
- % Done changed from 50 to 100

### #3 - 04/09/2016 10:23 AM - Daniel Curtis

- Status changed from *Resolved* to *Closed*

### #4 - 07/15/2016 07:37 PM - Daniel Curtis

- Description updated