GNU/Linux Administration - Support #778

Compile GRBL on Arch Linux

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

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

#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