

# gnuProload - An introduction



## What we will cover:

- What is gnuProload?
- What gnuProload is NOT.
- Where to get it?
- How to use it?
- A snapshot of compatible hardware for gnuProload
- A screenshot of gnuProload
- Credits

# What is gnuProload?



gnuProload is a software that allows you program AT89S52 and DS5000T microcontrollers on Linux over a serial connection.

Supports plain Atmel AT89S52 and Dallas DS5000 microcontrollers.

And yes, it is open source ;-) - GPLv2

# What is NOT gnuProload?



- Not professional, written in free time as a hobby. No warranty ;-). Still has some bugs.
- Support is limited to At89S52 (with Ezee-downloader hardware) and DS5000 (without Ezee-downloader) as of now.
- Does not provide complete end-to-end solution for developing AT89S52 products over Linux, but designed to *complement* any existing solution.

# Where to get gnuProload?

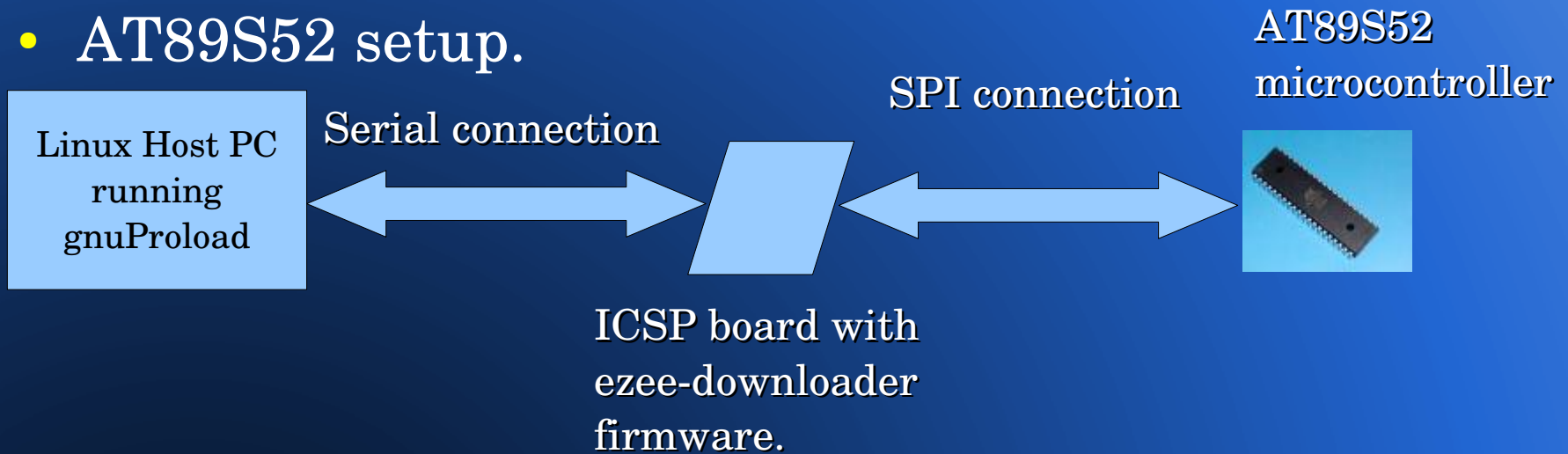


- gnuProload version 2.0 -  
<http://sf.net/projects/gnuproload>  
(Supports only AT89S52)
- gnuProload version 2.1 -  
email me ;-) Not yet officially released through  
[sourceforge.net](http://sourceforge.net).  
(Supports both AT89S52 and DS5000 !)

# How to use gnuProload?



- AT89S52 setup.



- DS5000 setup.



# Snapshots of the hardware

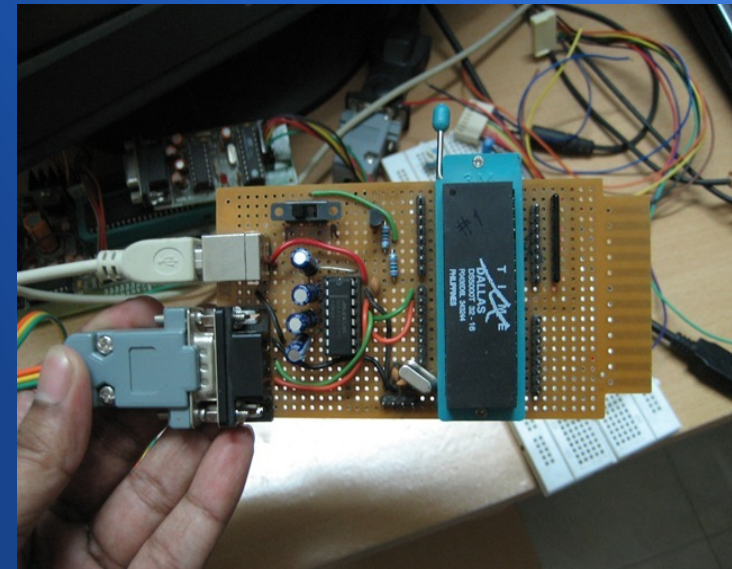


**AT89S52 Hardware – Purchased from  
[www.sunrom.com](http://www.sunrom.com)**

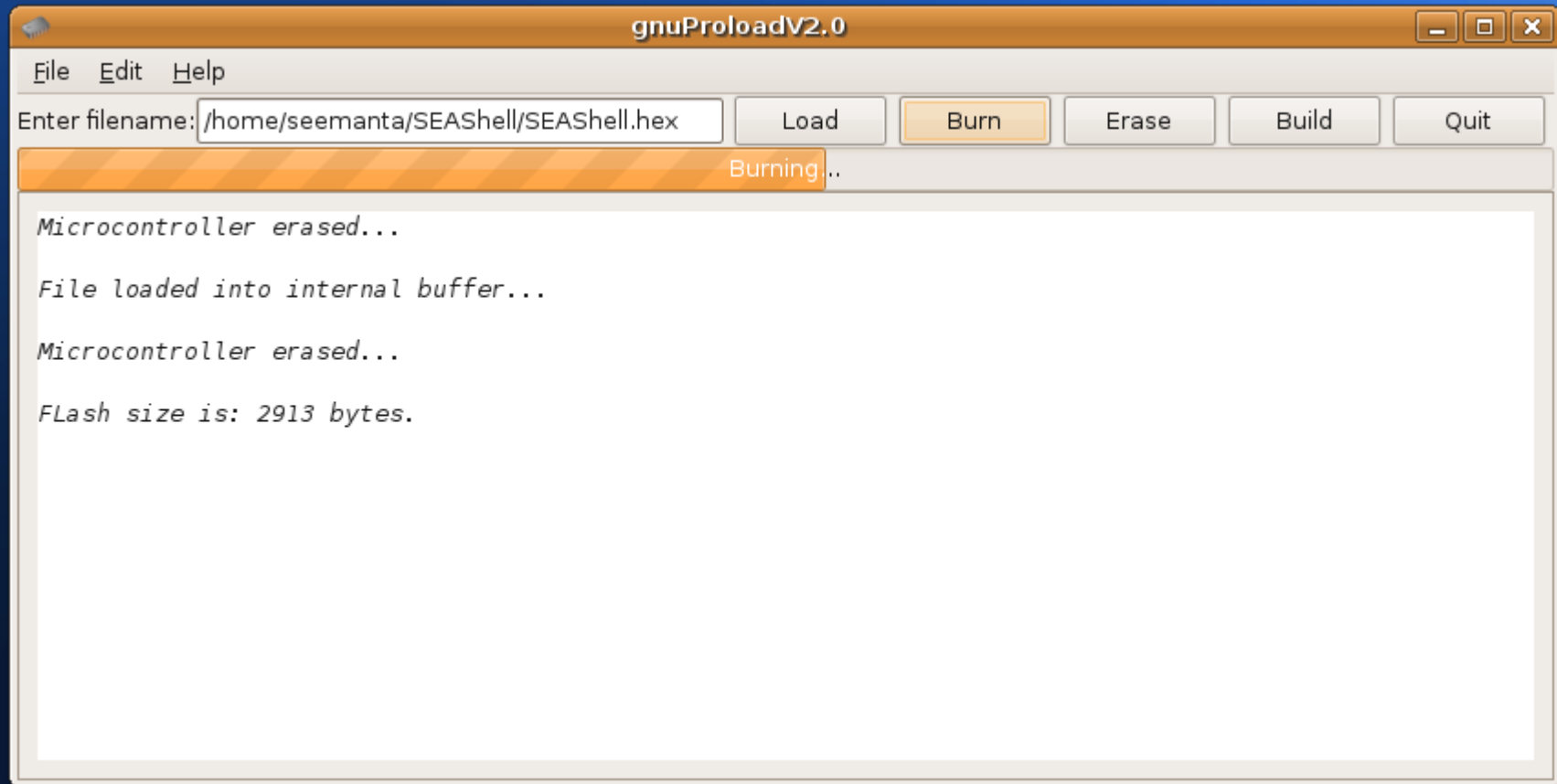
**DS5000T Hardware – homemade, based  
on the circuit from:  
<http://www.rentron.com/project02.htm>**



**Both are compatible  
with gnuProloadV2.1**



# A screenshot of gnuProload



# Credits



- Prof. Wichit Sirichote (for developing ezee-downloader protocol).

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- Seemanta Dutta (myself) for writing gnuProload ;-)  
email: [seemanta@gmail.com](mailto:seemanta@gmail.com). Also see  
<http://seemanta.net/myblog/?p=15>