

GUI Software for USBasp based USB AVR Programmers.

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In AVR Tutorials, Software, Tools

When I started using **USBasp** (a great programmer for AVR), I soon realized that the **avrdude** (the software for driving USBasp) is not much usable. Sometimes it irritates me a lots because of its command line interface. Also the **avrdude-gui** is not much helpful as it was just calling the real money slot machines **avrdude** in background. It cannot write/read the fuse bytes easily and reading the chip content was impossible. I made many changes to the software to make it more useful but Finally I decided to write a fresh new software from scratch and **eXtreme Burner – AVR** was born!

The **eXtreme Burner- AVR** has full graphical user interface (GUI) and can be used much more easily.

Screen shots

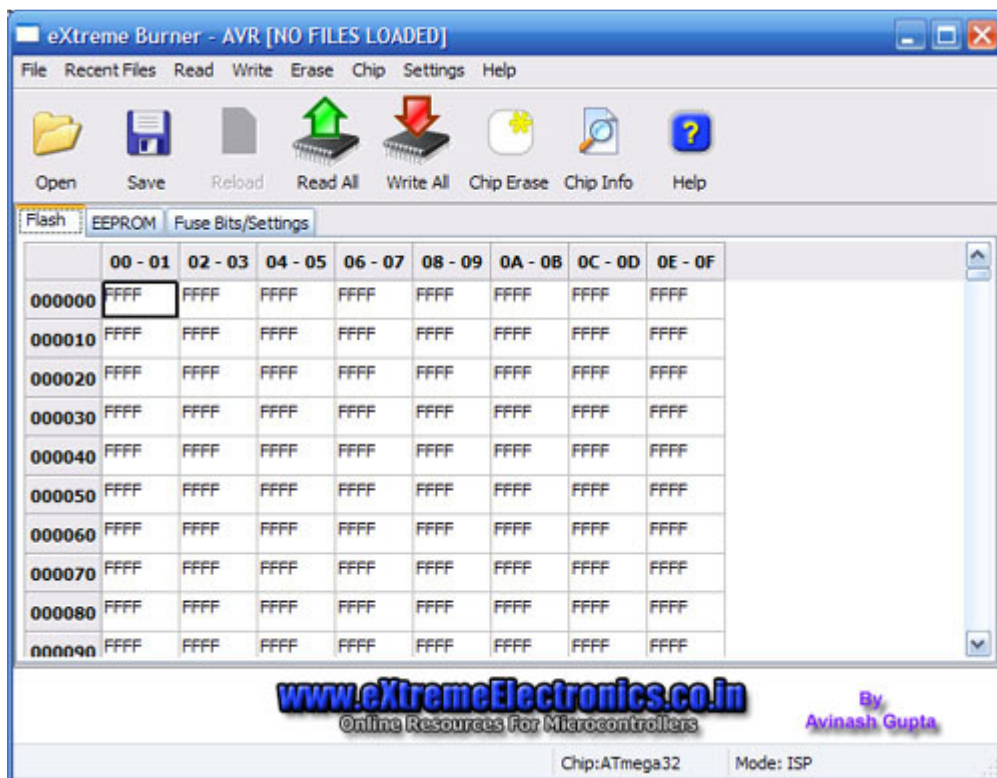


Fig.: GUI Software for USBasp

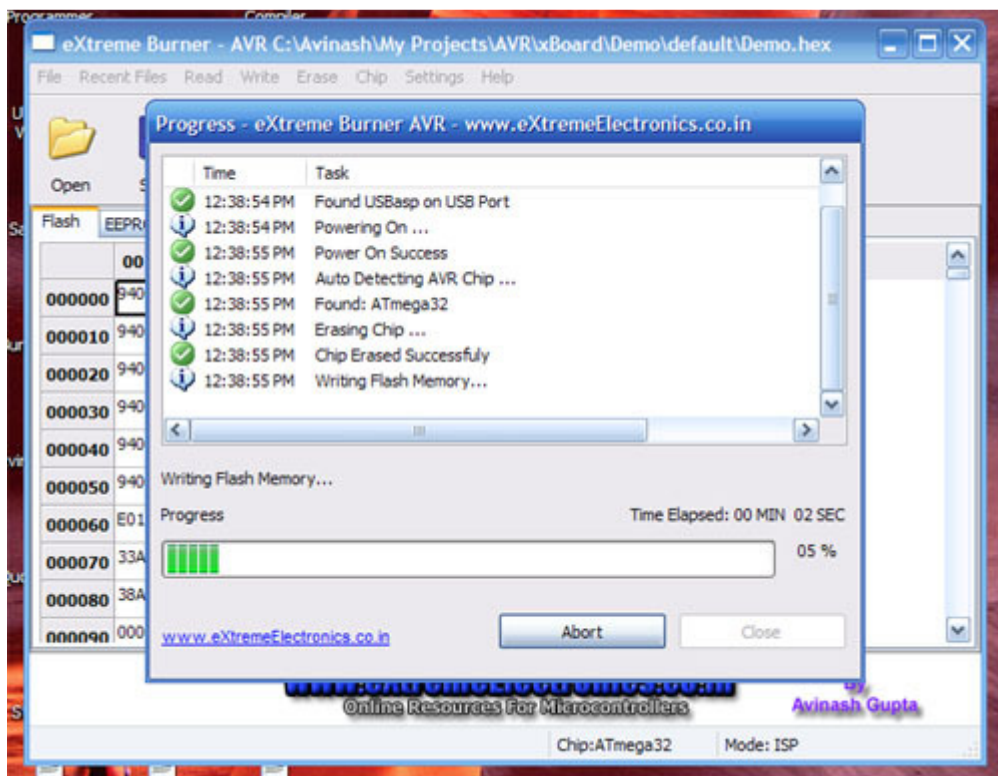


Fig.: GUI Software for USBasp – Burn Progress.

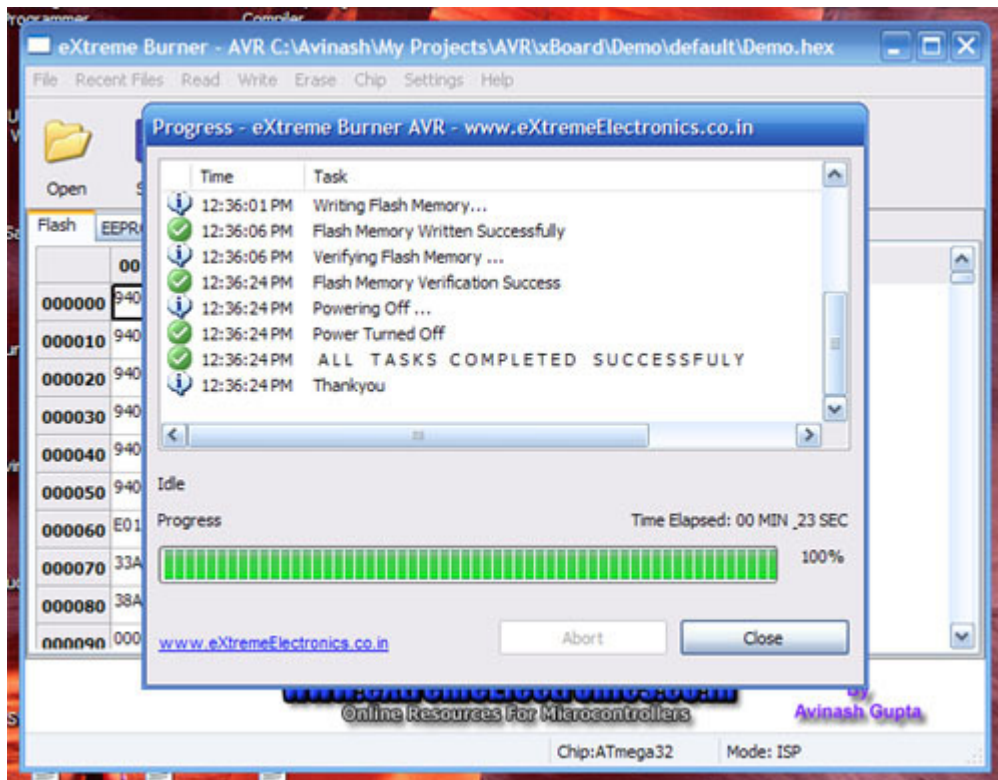


Fig.: GUI Software for USBasp – Task Complete !

AVR series of MCU supports several types of clock sources for various applications. For example a cheap RC Oscillator or a perfect high speed crystal oscillator. You can select from the following clock sources easily using a drop down menu.

- External Clock.
- Calibrated Internal RC Oscillator. **(DEFAULT)**
- External RC Oscillator.
- External Low Frequency Crystal.
- External Crystal/Ceramic Resonator.

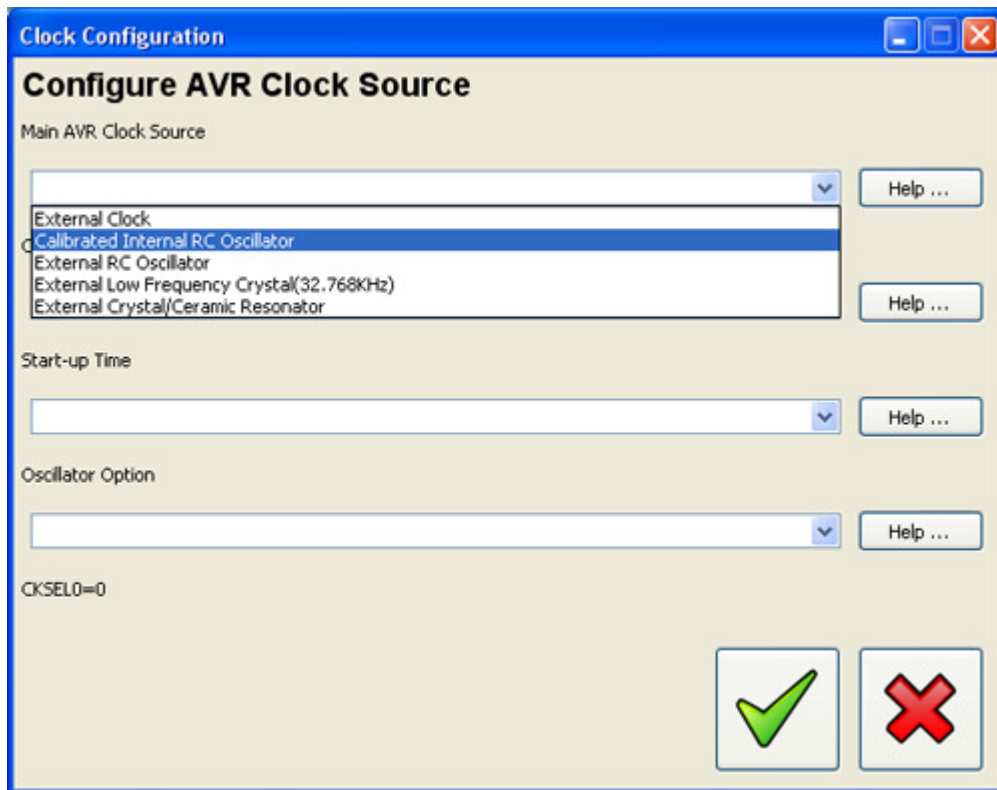


Fig.: Selecting AVR Clock Source

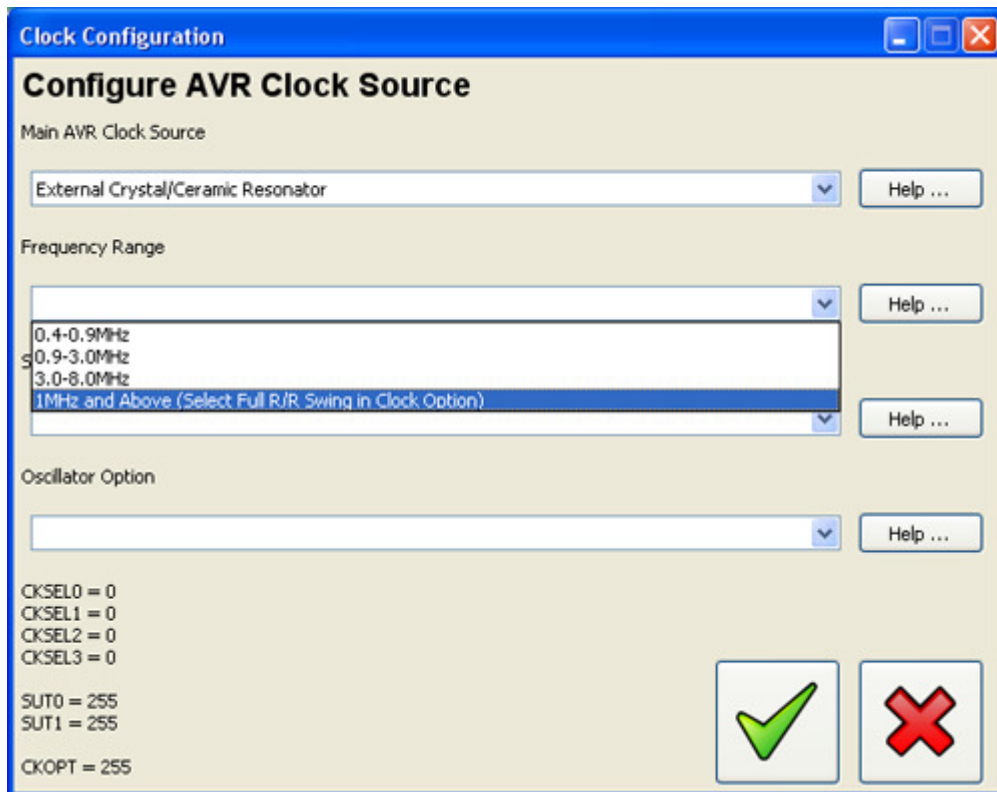


Fig.: Selecting Clock Option

Linux Version !

Finally the much awaited Linux Port is here ! Now you can use **eXtreme Burner – AVR** on Linux too!

Please send feedbacks, responses and screen shots to my email [avinash\[AT\]extremeelectronicsXYZ\[DOT\]co.in](mailto:avinash[AT]extremeelectronicsXYZ[DOT]co.in) (Remove XYZ and replace [AT] with @ and [DOT] with .).

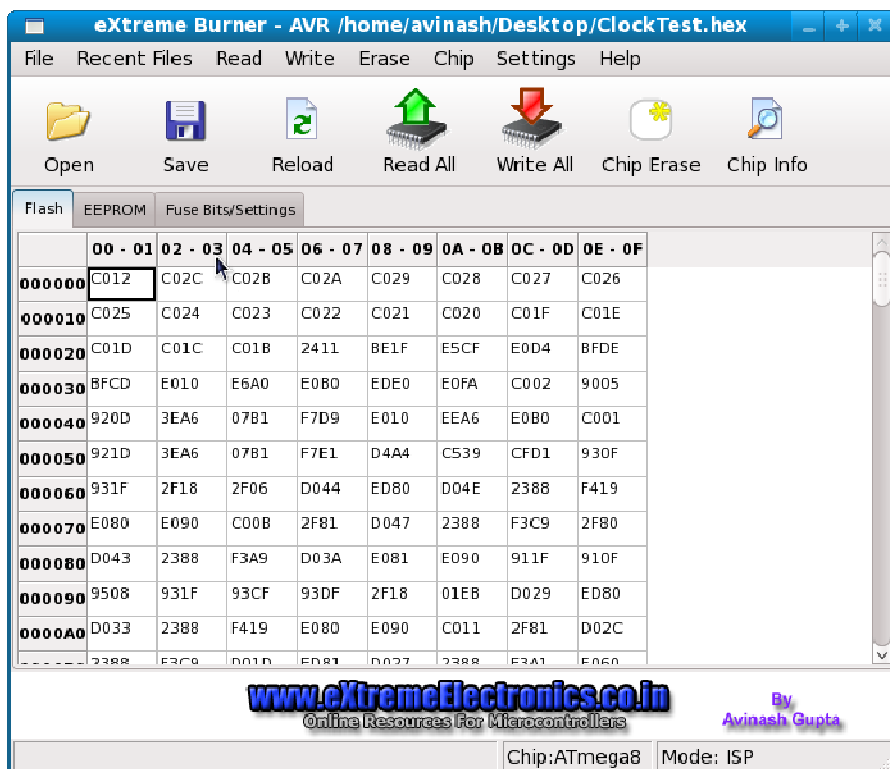


Fig.: eXtreme Burner – AVR on Linux ([Fedora 10](#))

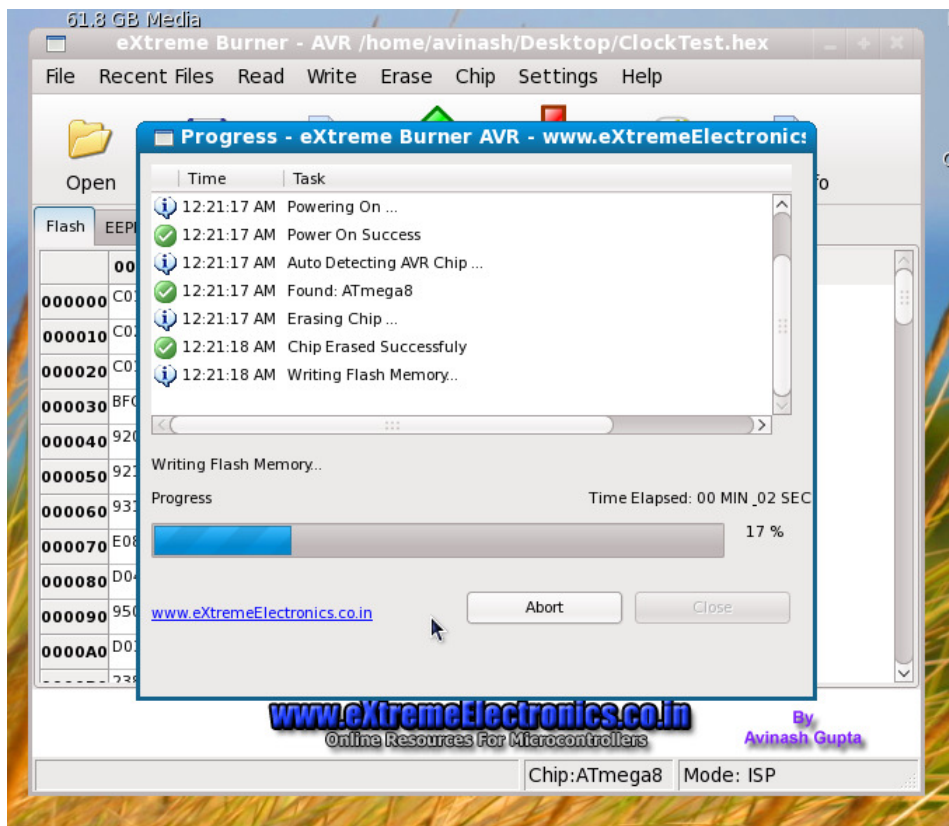


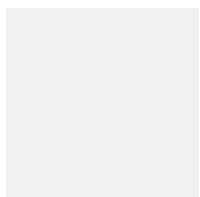
Fig.: eXtreme Burner – AVR on Linux ([Fedora 10](#))

Note On Installing

- You need a GUI Desktop Environment Like GNOME or KDE (All Modern Distro Come with at least one of them, so don't worry)
- You need **wxGTK** installed (Use your OS's Package Manager to Install)
- You need **libusb** installed (Use your OS's Package Manager to Install)
- You need to run the app by root privilege to access the USB Port (Some day I will find a fix for it, if you know it please let me know !)
- Download the archive and extract in some place.
- Start terminal and log in as root using **su root** command and enter the root password.(In Ubuntu typesudo **su** and then your user password)
- Go to the folder where you place eXtreme Burner – AVR
- type **./avrprog** to start the app.
- Now you can use the graphical interface to work with AVR chips. The interface is exactly same as MS Windows version of eXtreme Burner.

Be generous, Please donate

If you use eXtreme Burner – AVR and find it useful, please donate. We would be very thankful to you.



Download

- [Download **eXtreme Burner – AVR v1.4.3** for Microsoft® Windows® XP®, Vista®, 7 \(both 32 and 64 bit versions\). This version has the drivers built into the installer.](#)
- [Linux Version](#)
- [Linux Version for **Ubuntu 10.10 \(New\)**](#)