Tutorial - How to Burn A MCU ?

eXtreme Burner 51
An Easy To Use USB Programmer for AT89S series MCUs.

This document will give you step by step guide to burn a Intel HEX file to your target MCU (89S51 or 89S52) chip. For any problems contact the support department.

Insert the chip you want to program into the ZIF socket and Connect the programmer to the USB Port where you have installed it. The green light on Programmer should glow and your PC would give a "ding" sound. Now everything is ready.

NOTE:

If Windows Says "Found New Hardware" then you have connected the programmer to port other than where you have installed it or you may have not yet installed the drivers. For Driver Installation Steps see this.

NOTE:

Please disconnect the programmer from PC after programming.

Now launch the "eXtreme Burner 51" software from Windows Start Menu or Desktop, You will get a screen similar to the figure shown below.
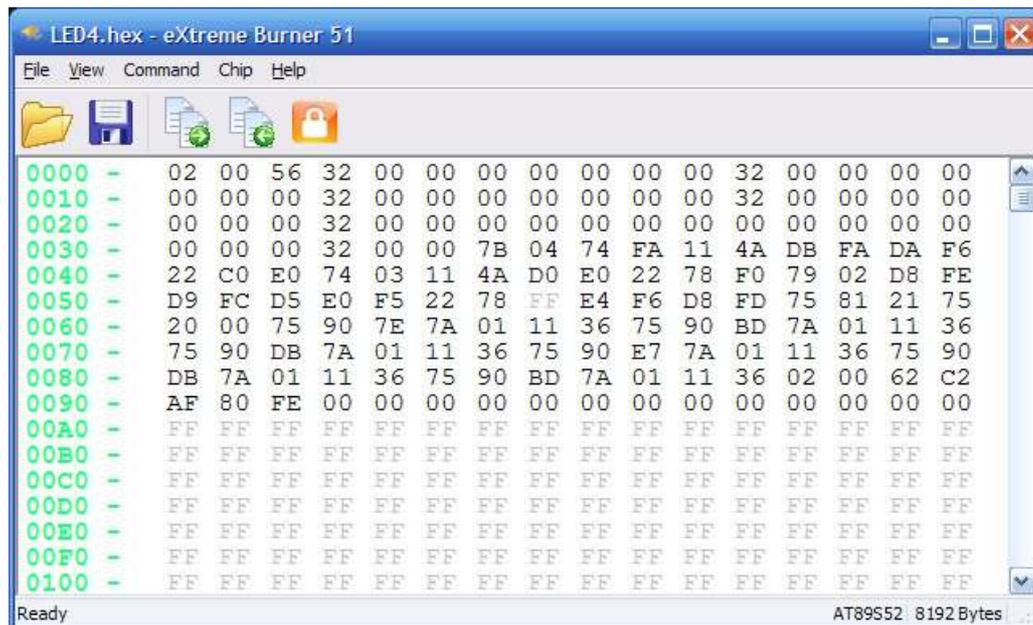
Fig - eXtreme Burner 51 Main Screen

The software is fairly easy to use. To transfer a hex file from PC to MCU follow the steps given below.

Step I

Select the "Open Hex File" from "File" Menu or Toolbar. And select the hex file. Now the hex file will be loaded and its content will be show in main window.
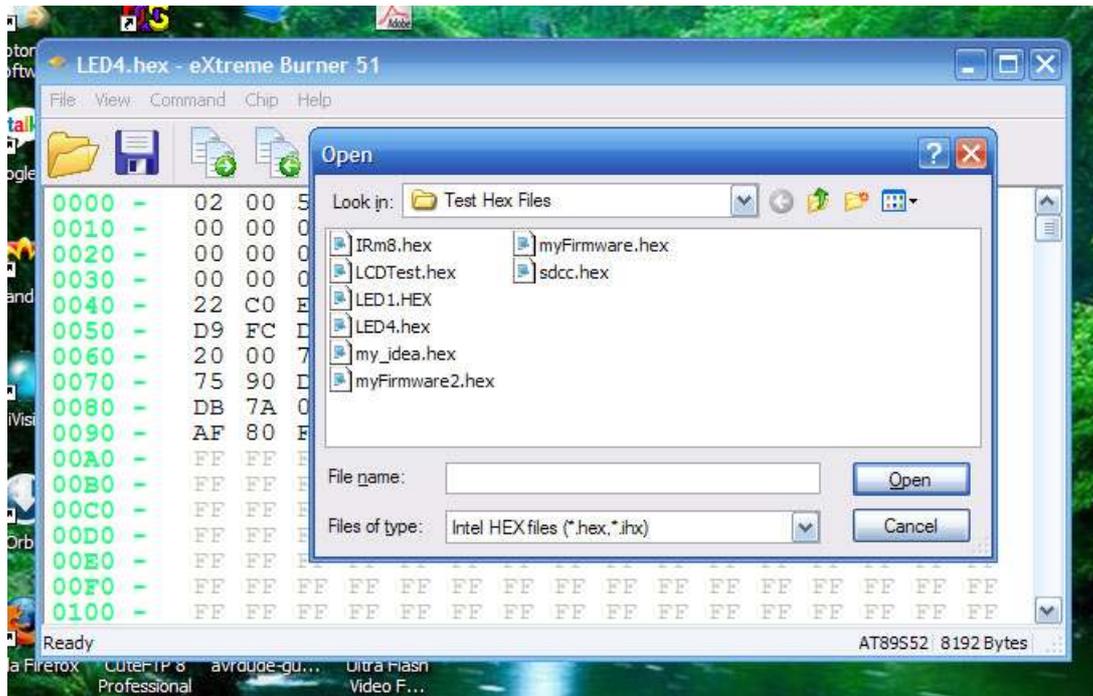
Fig - Browse for HEX file.

Step II

Select "Write Device" from "Command Menu" or Toolbar. The actual burn process will now start. You will get a screen similar to the image shown below.
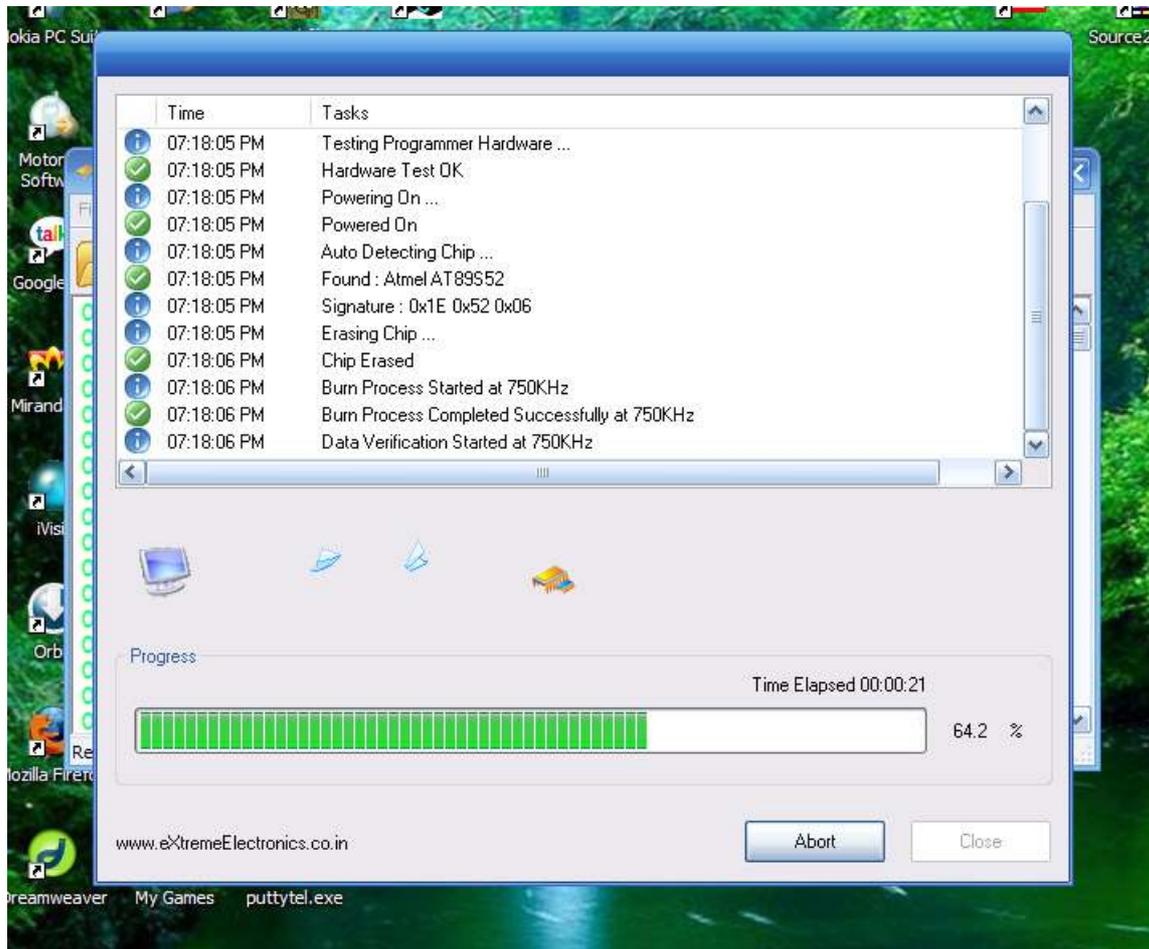
Fig - eXtreme Burner 51 "Burn Progress"

The upper list box give the result of each operations as they are performed. While the lower part give information about total time elapsed and percentage of progress of burn process. If everything is ok the burn process will succeed and you will be informed.

Note:

You can select either AT89S51 or AT89S52 MCU from the "Chip" menu.