

## Tutorial - How to Read the Firmware?

### eXtreme Burner 51

An Easy To Use USB Programmer for AT89S series MCUs.

This document will give you step by step guide to read the firmware that is already programmed to the Flash on a MCU. 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.

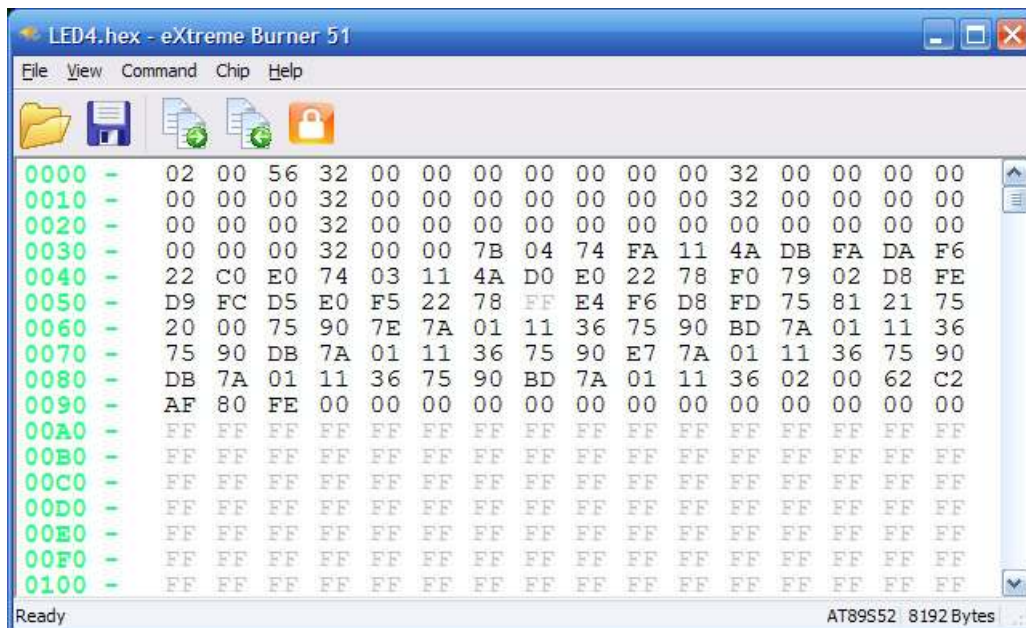


Fig - eXtreme Burner 51 Main Screen

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

Select the "Read Flash" from "Command" Menu or the Toolbar. The following screen will show you the progress. When all data has been read click Close. Now the data read from the MCUs flash memory will be shown on main screen. You can save it as a standard Intel Hex (.hex) format from the "Save" Command.

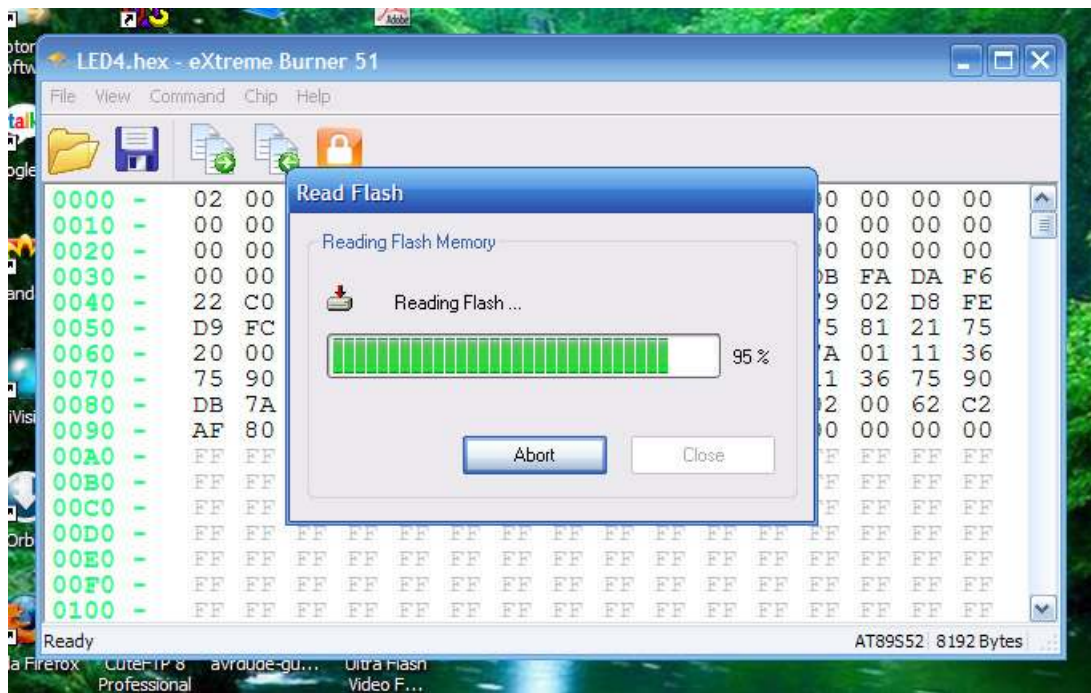


Fig - Reading On Chip Flash Memory.

**Note:**

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