

How to Flash the Dynatem Kernel

S. Durkin

Overview

I have written a flash-loader which will reflash the dynatem kernel through the Motorola BDM port. All you need is the BDM parallel port device shown at right and the software on my web page. I have tried the software on RedHat 5.2, and RedHat7.1 and it runs fine on both platforms. Following these directions I was able to setup and flash a dynatem from scratch on a RedHat7.1 system in less than 10 minutes of loading and running programs.



Loading Programs

The programs can be gotten from the web page:

<http://www.physics.ohio-state.edu/~durkin/software/d360/d360-flash-loader.tar>

To install type:

1. `tar -xvf d360-flash-loader.tar`
2. `cd d360-flash-loader/driver;make`
3. `MAKEDEV` (as **root**)
4. `cd d360-flash-loader/flash; make`

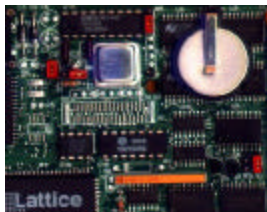
The software is now installed.

Flashing the D360

1. Load the BDM driver. As **root**:

```
cd d360-flash-loader/driver;loadbdm;
```

2. Now switch jumper W6 on the dynatem. See picture below.



Normal Position



Flash Position

