

## How do I update the firmware on the LOR boards?

Last Updated Tuesday, 01 April 2008 17:37

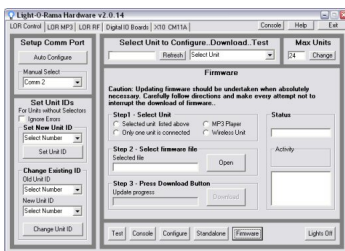
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From time to time, new versions of firmware will become available. In general, unless the new version of firmware has a new feature that you need to use, you should not update the firmware.

If you do wish to update the firmware of a controller, do so using the following steps:

- [Select the Unit](#)
- [Select the Firmware File](#)
- [Download the Firmware](#)

To get to the Firmware Update section of the Hardware Utility, make sure that you are in the LOR Control tab, and click the "Firmware" button (near the bottom).



The Firmware Update section of the Hardware Utility

### Select the Unit

It is recommended that only one controller be connected to the computer when updating firmware. Units can have firmware updated when more than one is attached to the computer, but if you choose to do this, make sure that "Selected unit listed above" is selected, and make sure that the proper unit is selected in the "Select Unit to Configure.. Download.. Test" section (above the "Firmware" section).

If you instead use the recommended method of having only a single controller attached to the PC during a firmware update, choose "Only one unit is connected".

To update the firmware of a Light-O-Rama MP3 Player or a Light-O-Rama Wireless Unit, select the matching entry in the "Select Unit" section.

### Select the Firmware File

Use the "Open" button to select the firmware file that you wish to send to the controller. The "Open" button starts in your Light-O-Rama base directory; the firmware files are typically located in the "Firmware" subdirectory.

Select the latest version of firmware for the unit being updated. The names of the firmware files correspond with the names of the controllers.

### **Download the Firmware**

Finally, start the download by pressing the "Download" button. The progress bar will provide you with an update.

### Troubleshooting

If the download does not start within 15 seconds of hitting the "Download" button, check that the unit is powered and properly connected to the PC. If all else fails, power the unit on and off after you click the download button and the PC is attempting to start the download.