

## ***Flash Magic and Cinema 12 software installation:***

- ❖ Install the Flash Magic program to your computer.
- ❖ To enter the Cinema 12 into the software update mode you will need to first unplug the power cord from the back panel of the unit. You will leave the power cord plugged into the wall outlet, simply remove the female end of the power cord from the power inlet on the rear of the unit. Once the power cord has been removed from the rear of the unit, while holding down the main power button on the front panel of the unit, re-insert the power cord into the power inlet on the back of the unit. Once you have inserted the power cord, you may let go of the power button on the front panel. The Cinema 12 is now ready to have the software updated.
- ❖ Connect the computer to the Cinema 12 through the serial port on the back panel of the unit. You may use a standard USB > serial cable to perform the software update. You will simply need to ensure that the driver for the USB > serial cable has been installed on your computer.
- ❖ The following are the settings for the Flash Magic program.
  - Select appropriate **COM** port
  - Set baud rate to: **57600**
  - Set device to: **LPC2366**
  - Set interface to: **None (ISP)**
  - Oscillator Frequency (MHz) to: **12.0**
  - Select: **“Erase blocks used by Hex File”**
  - Browse and choose the correct Cinema 12 software Hex File
  - Do **not** select **any** options in step 4
  - Press **start**
- ❖ The Flash Magic program will now begin erasing the older software version installed on the Cinema 12 and replace it with the new version.
- ❖ Once the status bar at the bottom of the program window displays “finished”, you will again remove the power cord from the rear panel of the unit as well as remove the serial cable from the serial port on the rear of the unit. Let the Cinema 12 sit unplugged for 5 minutes. Plug the power cord back into the rear of the unit and power the unit on. Once the Cinema 12 has completely powered on, select input 4 on the remote control. Next, while aiming the remote at the unit, enter the code “8523” on the numerical keypad section of the remote control. The front panel display of the unit will display “restoring defaults” for roughly 30 seconds, the Cinema 12 will then power itself down. Once the unit has powered down, unplug the unit from the wall once more for 30 seconds. Plug the power cord back into the unit and turn the Cinema 12 back on.
- ❖ To ensure that the proper version of the software was installed in the unit, aim the remote at the front panel and enter the code “8521” on the numerical keypad section of the remote control. The front panel display of the Cinema 12 will then display the version of software that is currently installed for roughly 20 seconds. If the proper version was installed, you have completed the software update procedure and the Cinema 12 is ready for full operation.