Upgrading your CPA 1 to Firmware v1.2

The firmware v1.2 update allows the CPA 1 to have individual output levels for each input source. It will also remember the last level setting used for that particular input.

For example:
You are listening to a CD through the CD input, and the display shows your volume level is set to 15. You then switch to AUX 1 input for another source and adjust the volume up to 25. When you switch back to the CD input, the volume level will return to your previous setting of 15.

Also note:
When using the "Cinema Bypass" input, you must set the level to +46 to achieve unity gain. At +46 the output signal is at the same level as the input signal.

Flash Magic and CPA 1 software installation:
- Install the Flash Magic program to your computer.
- To enter the CPA 1 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 CPA 1 a is now ready to have the software updated.
- Connect the computer to the CPA 1 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.
  o Select appropriate **COM** port
  o Set baud rate to: **4800**
  o Set device to: **89LPC932A1**
  o Set interface to: **None (ISP)**
  o Oscillator Frequency (MHz) to: **16.0**
  o Select: **"Erase blocks used by Hex File"**
  o Browse and choose the correct CPA 1 software Hex File, The name is CPA 1-V1.2-23-07-2008.hex.
  o Do **not** select **any** options in step 4
  o Press **start**

- The Flash Magic program will now begin erasing the older software version installed on the CPA 1 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 CPA 1 sit unplugged for 1 minute. Plug the power cord back into the rear of the unit and power the unit on.

To verify the update was applied, set the volume level on one input, then switch to another and set it to a different level. Switching back to the first input, the level should return to the previous setting.