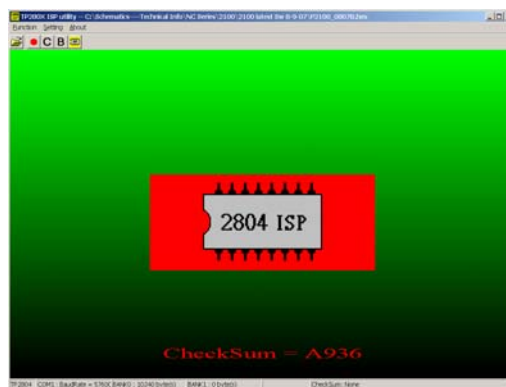
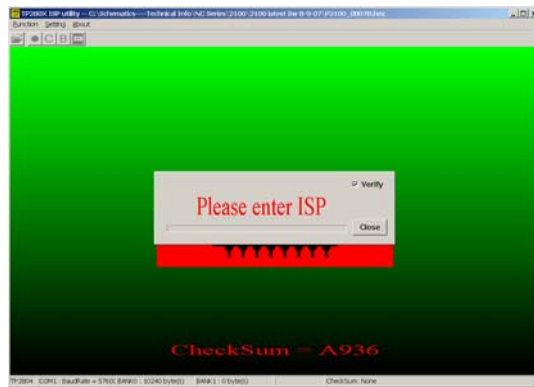


Instructions for updating software in the Z series Ztuner v.2

1. Disconnect the AC power cord from the Ztuner v.2
2. Connect a serial cable (RS-232) straight-through cable from your PC to the Ztuner v.2.
If your PC does not have an RS-232 port you will need a USB-to-serial RS-232 adapter.
3. Open the ISP software "**TP280XISPv.2.03.exe**" on your PC.
Leave the IC setting on its default setting 2804.



4. Click on the "B" icon and select **57600 bit/sec** for the baud rate.
5. Click on the "C" icon and select your PC's correct COM port. This is the port number on the PC where you connected the RS-232 cable. If you are using a USB to serial (RS-232) adapter you will need to determine the correct COM port by looking it up in your Device Manager. Find the Device Manager by right clicking on:
MY COMPUTER > PROPERTIES > HARDWARE > DEVICE MANAGER > PORTS (COM & LPT)
6. Click on the Red circle icon (**ISP burn icon**). Find the location where you stored the HEX file and click OPEN. This file is titled "**tuner_0907B.hex**"
7. Select **0xFF** for Unused Byte. The computer screen should now show "**Please enter ISP**".
Check "**Verify**" box.

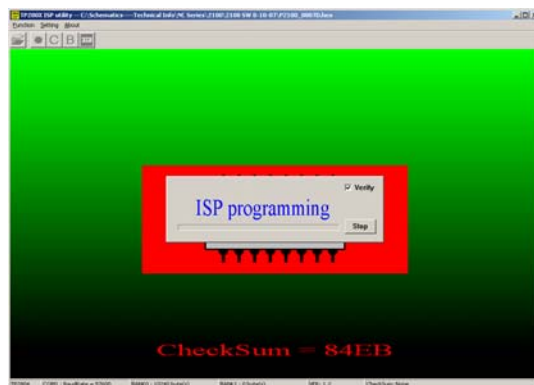


Instructions for updating software in the Z series Ztuner v.2

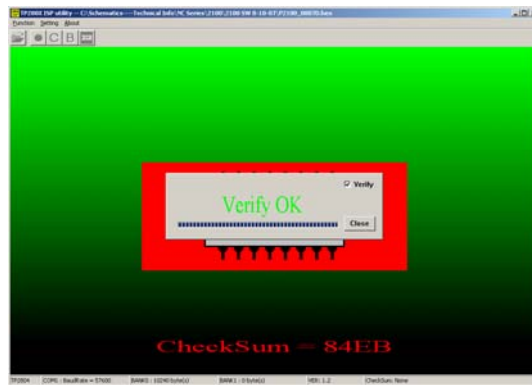
8. With the AC cord NOT connected, press and hold both the tune up and tune down buttons at the same time. Continue to hold the two buttons as you plug the AC cord into the Ztuner v.2.



9. Release the two buttons 2 seconds after the AC cord is installed. The new software should now start to load.



10. After software loading is complete the PC screen will show "Verify OK"



11. Remove the AC cord once again and plug it back in. The software update will not be installed if you don't unplug and replug the AC cord.

If you need further assistance please send an email to [Parasound Technical Service service@parasound.com](mailto:service@parasound.com) or call toll-free M-F 9am to 4pm at 866 770-TECH or 415 675-7272.