

# SA-8 USB Firmware Update

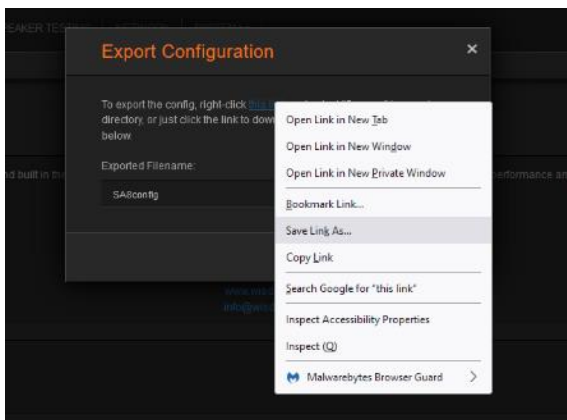
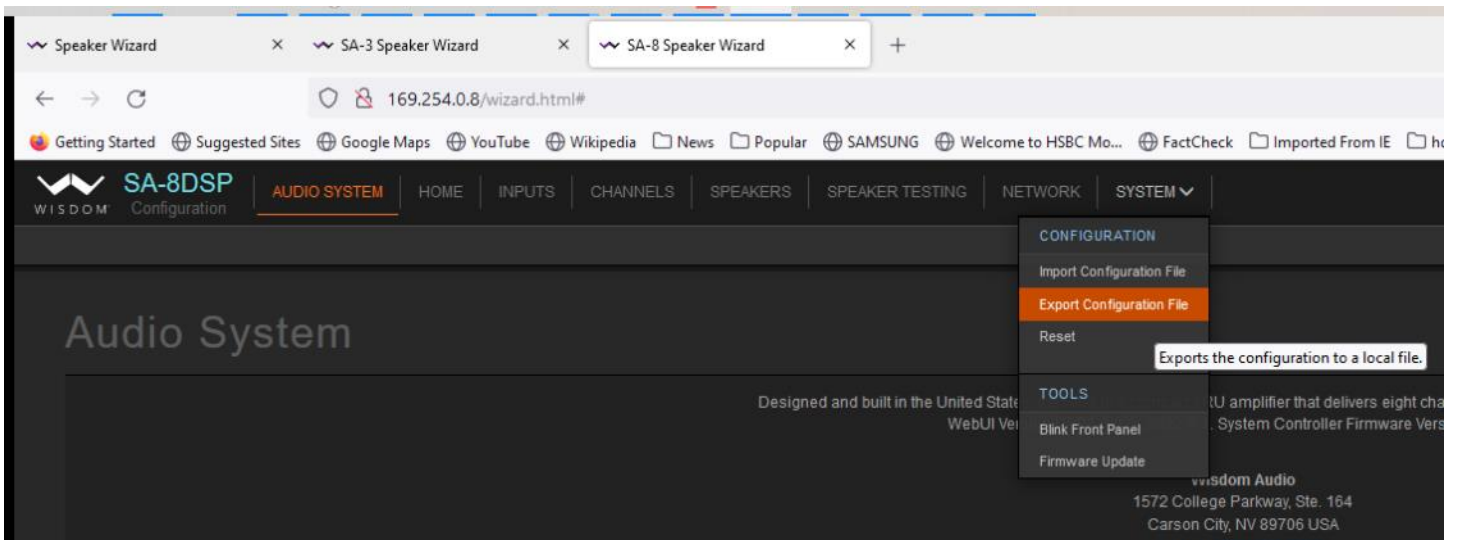
## Firmware Update with USB Drive

Required tools:

- USB drive – Standard Windows formatted thumb drive (FAT32)
- Firmware Files provided by Wisdom Audio
  - SA8\_FS\_Image.bin *and*
  - SA8\_Application\_firmware.bin
- SA-8 or SA-8DSP

### Backup System Settings and Prepare the SA-8

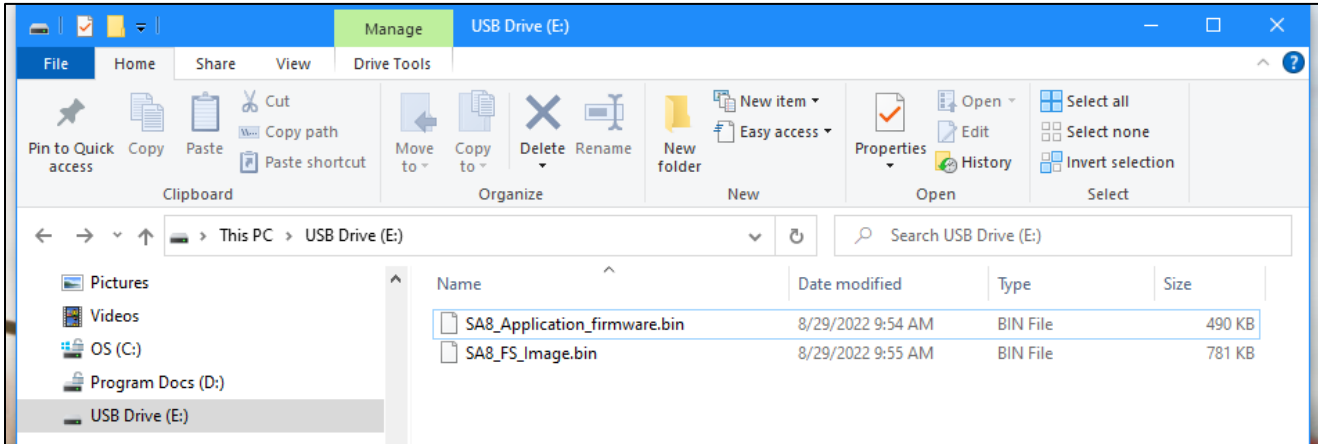
1. Using the Web UI Interface go to System→Export Configuration (See Wisdom Audio SA-8 DSP Blow-in Sheet\_ProductLaunch.pdf for details)
2. Right click on the link and “save as”
3. Save the configuration file as a backup on your computer
4. Close the Web UI page and Turn Off the hard switch on the rear panel



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## Prepare the USB drive

1. Place the **SA8\_FS\_Image.bin** and **SA8\_Application\_firmware.bin** on the USB drive at the root folder.
2. Note: the name must match exactly. Do not change them or the files will not load.
  - a. The files may be sent inside a .zip. Unzip the files and place them at the root level, not inside a folder, as shown below:



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## Load the files

1. SA8 should be off. **Amber Standby LED must be OFF.**
  - a. If the SA8 has amber light you should wait until the power supply has fully discharged. This can take several minutes due to the large power reserve in this amplifier.
    - i. switch off the mains or remove the power cord
    - ii. wait until the amber light stays off



2. While OFF, using a paper clip or small tool, press the hidden programmer button on the system control board



3. While pressing the hidden button, Power on the SA-8 with the MAINS switch
4. Continue pressing the button for approximately 10 seconds.
  - a. The main relay should click on and within 10 seconds the BLUE LED will indicate ready as described below:
  - b. SA-8 should be in bootloader mode
  - c. Front panel LED blinking alternating pattern even/odd



5. Connect the USB to the rear panel USB port next to the Ethernet above the Mains Power switch

- a. USB mounts, if the drive has an LED it will blink
- b. SA8 LED1 solid = erase memory
- c. SA8 LED2-8 shows progress
- d. The process should take twice, once to load the web files and a second time to load the firmware



6. Wait for the files to complete, SA8 will reboot when complete, and remove the USB Drive at this time.

7. If the SA-8 does not automatically reboot, the amber light will come on when done. Press the power button as normal.

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### Refresh the Web UI Interface

After the new files have been loaded into the SA-8, it may be necessary to refresh the Web UI to make the new UI elements visible. Once you have opened your web browser and are on the setup pages for the SA-8, hold down the SHIFT key and press the RELOAD:

