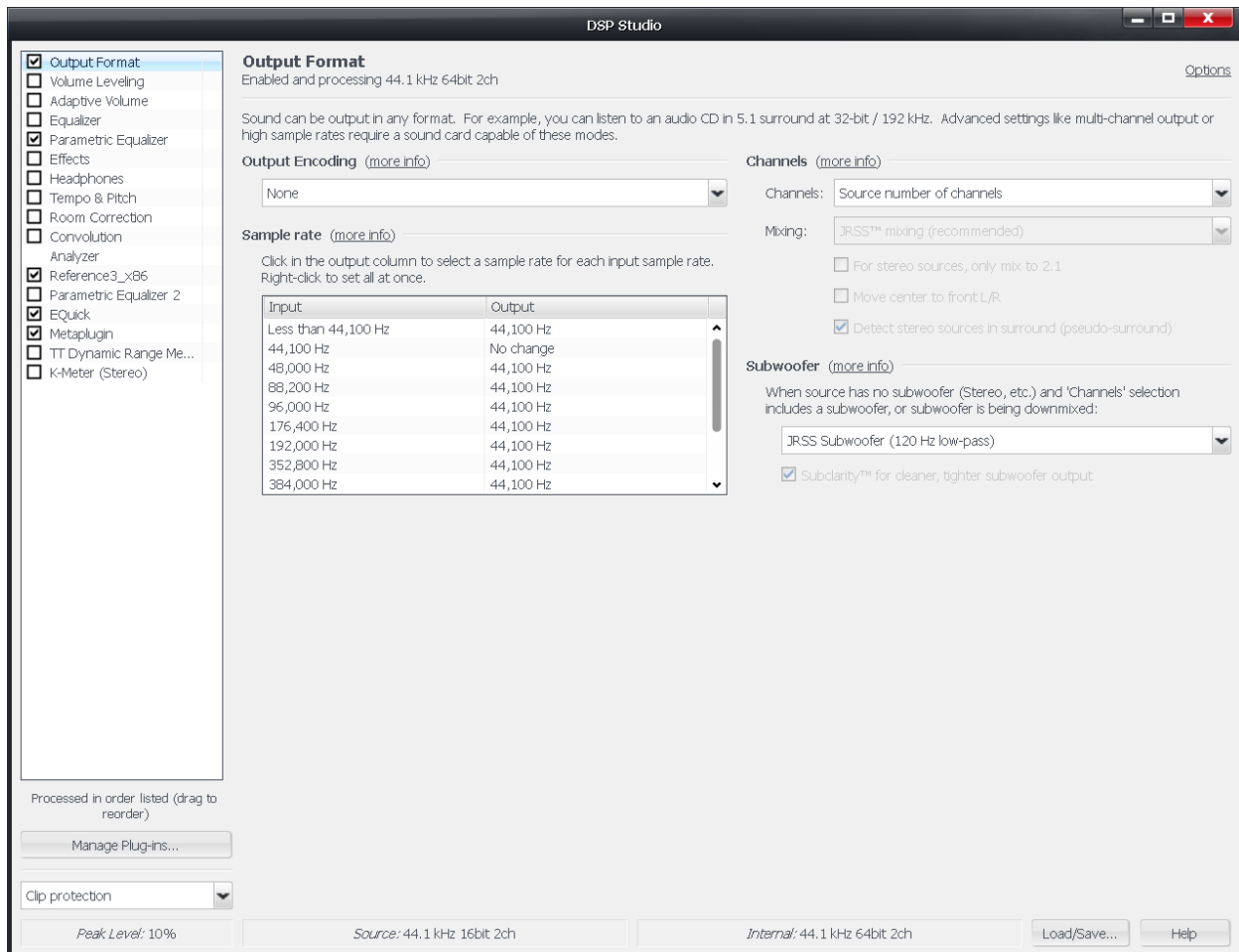


# AtomicBob's Immersion Virtualizer settings for JRiver - Sonarworks - Waves NX - EQuick

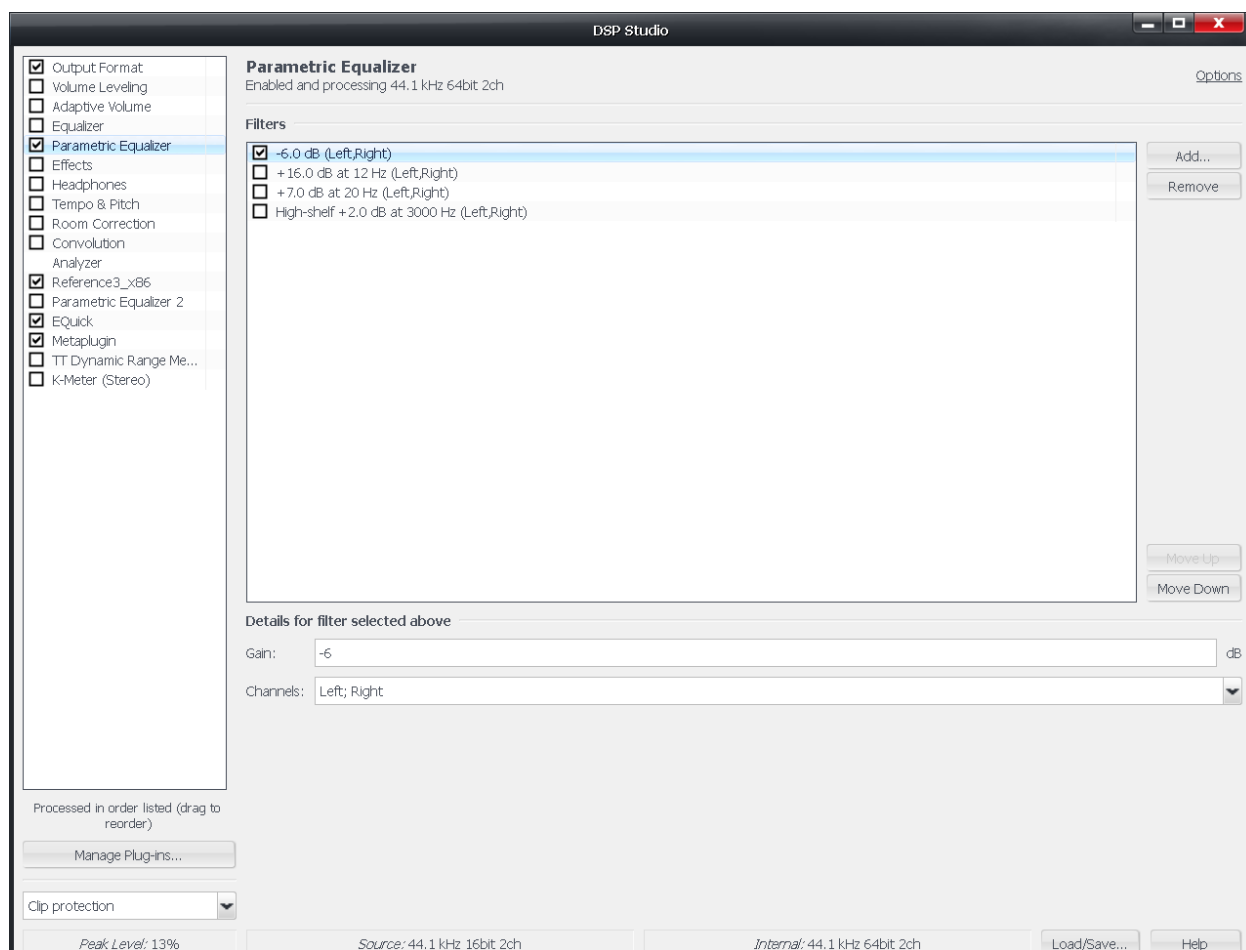
The following screenshots will provide detailed information to duplicate my Immersion Virtualizer. At this time it works best with Sennheiser HD6x0 and HD800. Note the order of plugins is important to attain highest bit depth utilization without clipping.

## 1. JRiver output format conversion to support single sample rate for Dante AOIP



# AtomicBob's Immersion Virtualizer settings for JRiver - Sonarworks - Waves NX - EQuick

## 2. 6 dB attenuation to leave necessary headroom in the subsequent stages



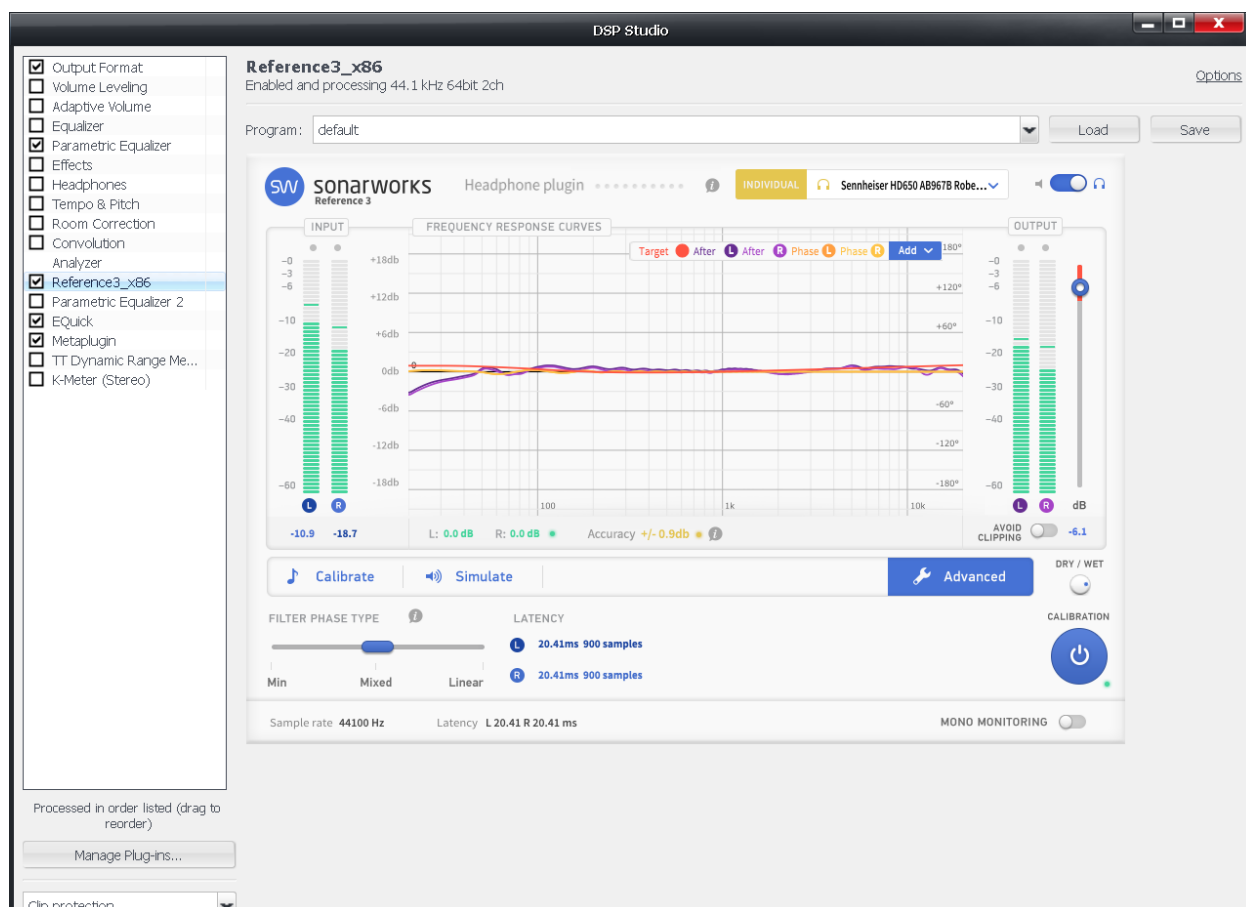
## AtomicBob's Immersion Virtualizer settings for JRiver - Sonarworks - Waves NX - EQuick

3. Use unlimited Low Frequency version of Sonarworks compensation and attenuate output 6 dB. Dry / Wet set for 75% Wet. Ask Sonarworks to link these extra profiles to your license.
  - a. HD800: AB000B.swhp,
  - b. HD650: Sennheiser HD650 No limits.swhp
  - c. HD600: Sennheiser HD600 No limits.swhp



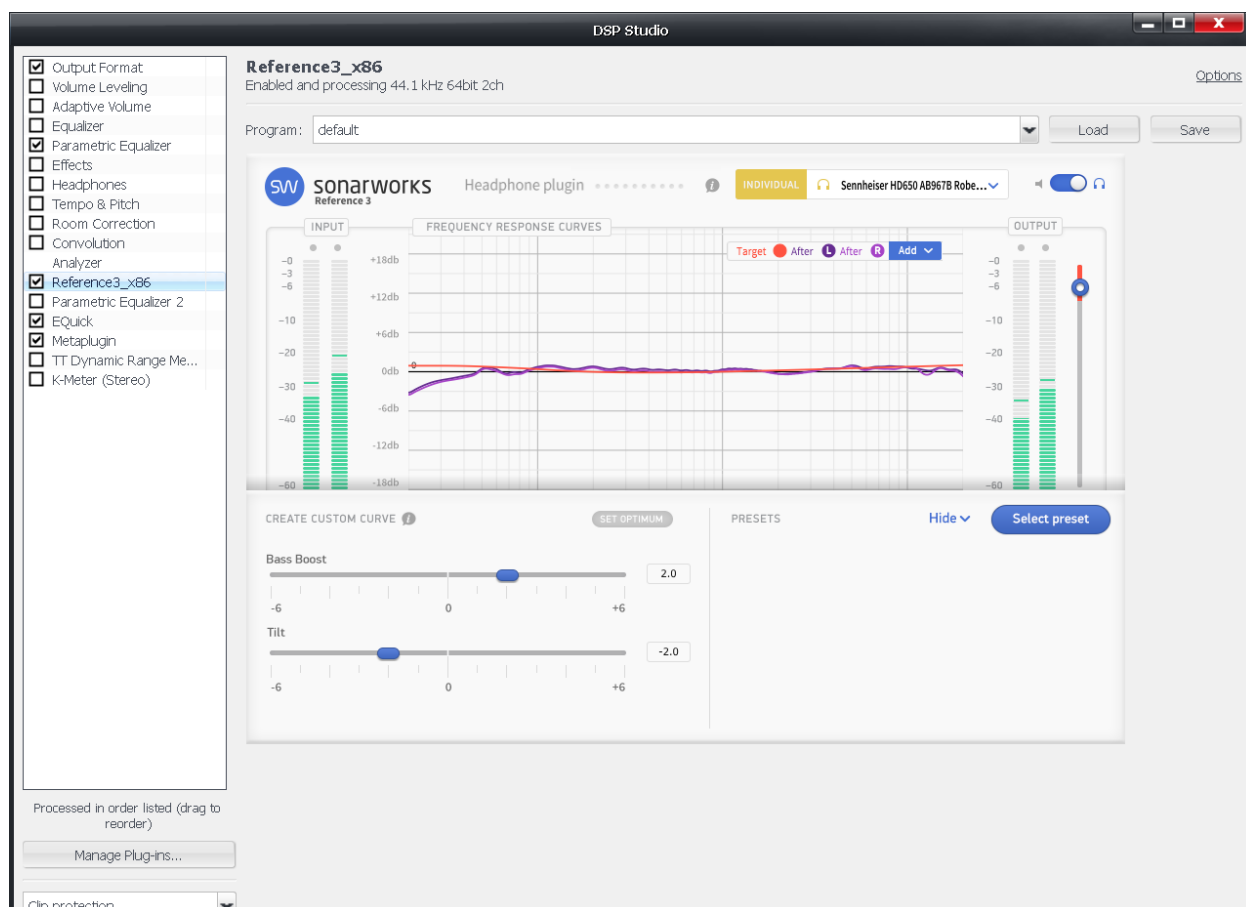
# AtomicBob's Immersion Virtualizer settings for JRiver - Sonarworks - Waves NX - EQuick

d. Use Mixed filter setting.



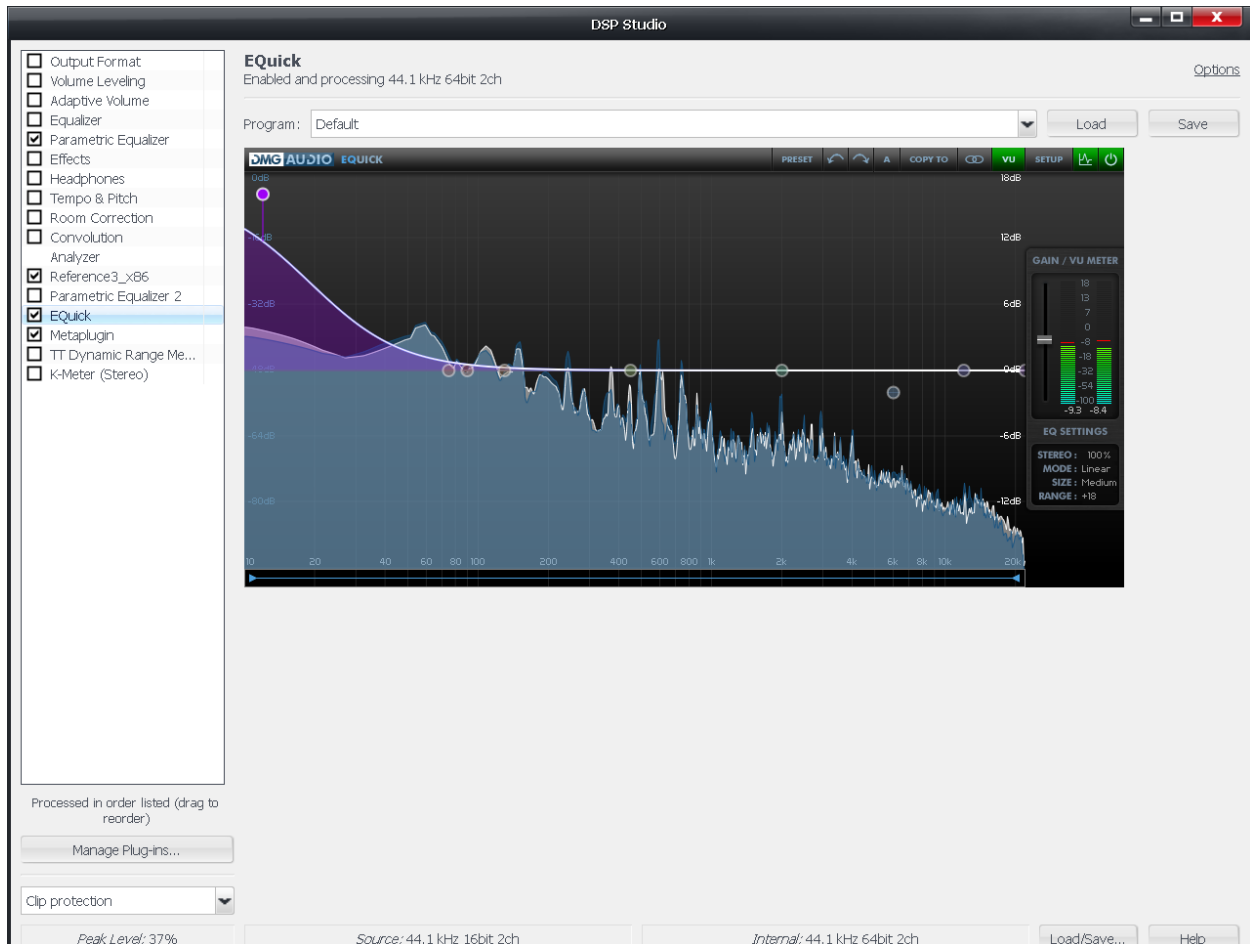
# AtomicBob's Immersion Virtualizer settings for JRiver - Sonarworks - Waves NX - EQuick

e. Set Bass boost for +2 and Tilt for -2.



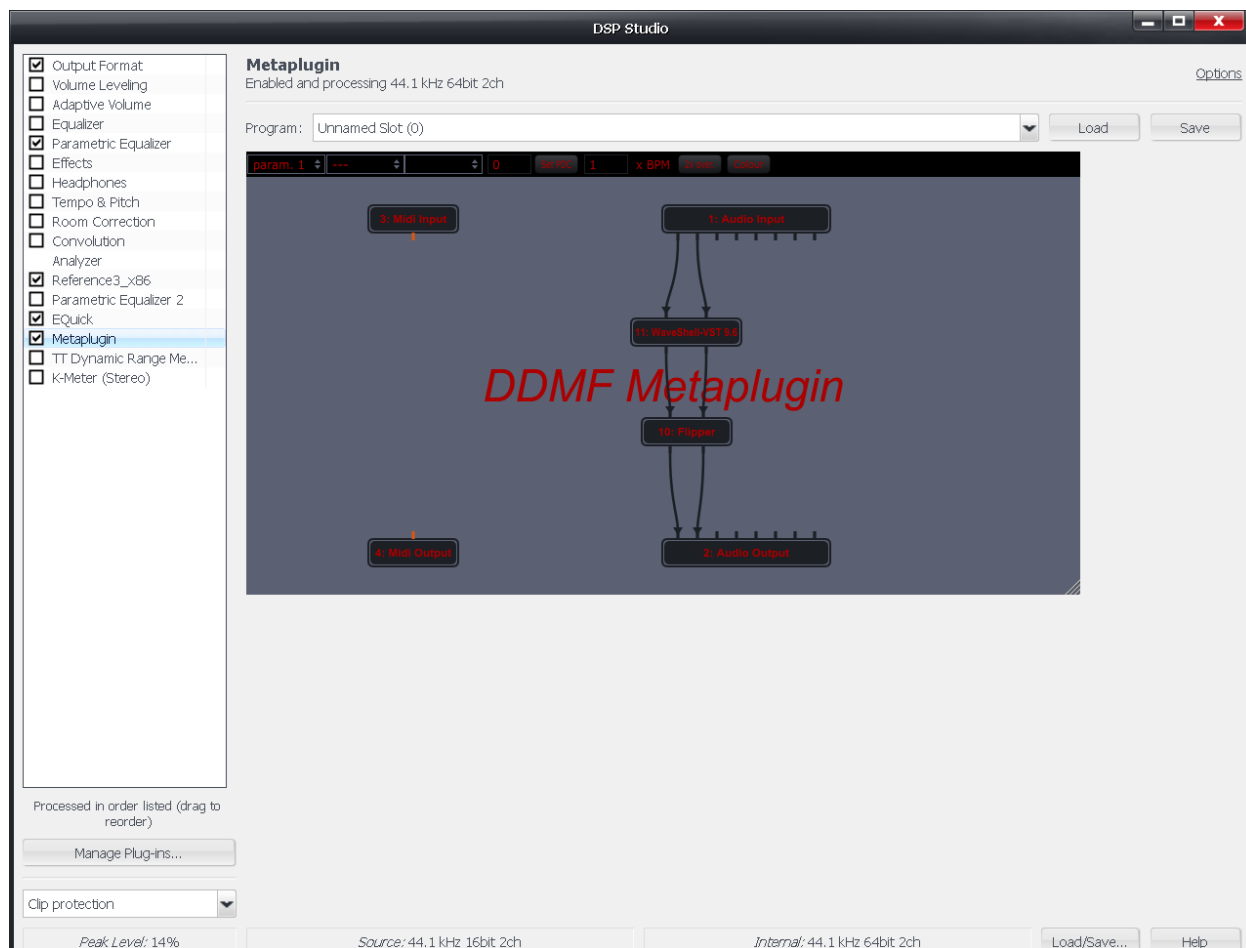
## AtomicBob's Immersion Virtualizer settings for JRiver - Sonarworks - Waves NX - EQuick

- f. Headphone Sub Frequency Enhancement: DMG Audio EQuick low frequency shelf set for 12 Hz, +16 dB, Q: 0.55, 0%. Alternatively, but doesn't cost anything, a less effective sub enhancement can be achieved by setting a parametric EQ in JRiver for the same parameters. It won't be as focused but it will make kick drums sound like kick drums in high quality recordings.



# AtomicBob's Immersion Virtualizer settings for JRiver - Sonarworks - Waves NX - EQuick

## g. Waves NX followed by Flipper in DDMF

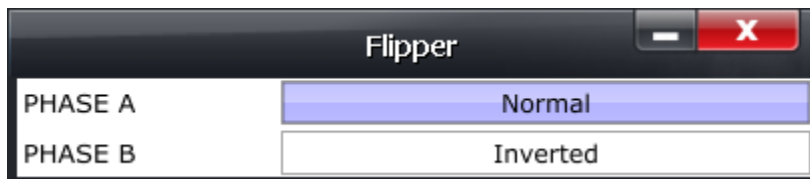


## AtomicBob's Immersion Virtualizer settings for JRiver - Sonarworks - Waves NX - EQuick

- h. Head modeling adjusted as describe in the NX manual. Start with factory default Room Ambience of 25 and Speaker Position of 60. Head tracker OFF.



- i. If using Polarity Reverse cable then reverse phase for channel B (right). This creates a pseudo balanced utilization of component power supplies and ground. A 4-wire cable with right channel reverse wired and 4 wire all the way to the headphone drivers is required after the headphone output. Do NOT use with 3-wire headphone connection. The result is less smearing of the low frequencies.



# AtomicBob's Immersion Virtualizer settings for JRiver - Sonarworks - Waves NX - EQuick

- j. K-meter is useful for gain staging to attain optimum bit depth utilization. Set display for Normal, RMS, and Peak to see absolute peak dBFS.

