

Roon DSP Engine recommendations.

| NADAC vs. Roon DSP Mode | Headroom | Sampling Rate conversion | Crossfeed | Parametric EQ | Audeze Presets | Speakers Setup |
|---|----------|--------------------------|-----------|---------------|----------------|----------------|
| MERGING+PLAYER | | | | | | |
| Stereo PCM 1FS to 8FS | V | V | V | V | V | V |
| MultiChannel PCM 1FS to 8FS | V | V | X | V | V | V |
| DSD | X | X | X | X | X | X |
| DSD Multichannel | X | X | X | X | X | X |
| MERGING+NADAC in ASIO (PC*) | | | | | | |
| Stereo PCM 1FS to 8FS | V | V | V | V | V | V |
| MultiChannel PCM 1FS to 8FS | V | V | V | V | V | V |
| DSD | V | X | V | X | V | V |
| DSD Multichannel | X | X | X | X | X | X |
| MERGING+NADAC in Core Audio (Mac*) | | | | | | |
| Stereo PCM 1FS to 8FS | V | V | V | V | V | V |
| MultiChannel PCM 1FS to 8FS | V | V | V | V | V | V |
| DSD | X | X | V | V | V | V |
| DSD Multichannel | X | X | X | X | X | X |
| * Performance may vary with system configuration (tested on a PC i7-3370 and MacBookPro i7-4980HQ) | | | | | | |
| DSD Sampling rate conversion is the most demanding DSP process | | | | | | |
| WARNING: Activating multiple DSP items is not recommended and will cause Roon slow down and audio track to drops | | | | | | |
| WARNING: Activating a Roon DSP parameter and applying it during playback will cause the track in Play to drops during playback or be halted | | | | | | |
| X: Potential long pause at track start, supported with DSD64 but not with DSD128 & DSD256 formats | | | | | | |
| X: Performance issues. Track in Play will potentially stop, be halted or be muted | | | | | | |