



Introducing

Bit Diffusion Technology



Now available with The Cascade DAC



Introducing MSB's latest innovation: Bit Diffusion Technology. This new technology was invented by MSB's Chief Circuit Designer, Dustin Symanski, while working on the forthcoming Sentinel DAC project with astounding results. He was able to adapt this into the Cascade DAC with a minor hardware update, but as for the performance gain, this is much more than a small tweak! It is a significant, technological step forward in musicality, resulting in wonderfully natural playback. Dustin's concept for BDT was initially sparked by considering the relationship between an atom and an electron's probability density function. Mimicking this natural phenomena, Bit Diffusion is applied to the Cascade's unique architecture of 16 independent DAC channels. Low-level ambient noise and digital artifacts are diffused, adding to analog-like sound and a much more relaxed, fatigue-free presentation. The soundstage has become more holographic than ever with improved dynamics and separation. Listening to that one recording you know and love so well, thinking you knew every detail, it is shocking to then hear so many new nuances and beautiful moments washing over you. This is just a taste of how the future Sentinel DAC's 64 channels will benefit from Bit Diffusion Technology, as it takes this concept even further!

We will immediately begin including Bit Diffusion Technology on all Cascade DAC's moving forward without a price increase. We will also be offering this upgrade for all existing Cascade DAC's at no charge, except for shipping and handling. To upgrade an existing DAC, just the Cascade Analog Converter unit will need to be returned to the factory for a quick turnaround. This technology will not be adapted to earlier generations of MSB DACs, as only the advanced Cascade and Sentinel hardware is able to support it.