

Why are Hercules DJ Console's ASIO 2 drivers limited to 48KHz with no 44KHz support?

The USB audio clock is close to 48KHz, so files sampled at 48KHz are played directly via USB while files sampled at 44KHz are over-sampled at 48KHz by the CPU to play via USB, which increases the latency for 44KHz files.

Considering that the latency via USB for 44.1KHz files is not much better in ASIO 2 than in WDM mode, while ASIO 2 has a latency benefit at 48KHz, we have determined that WDM drivers are sufficient for 44.1KHz files.