

# Lowest-Jitter Master Clock & USB Audio Interface

**MC-3+**  
Smart clock  
USB

**1G**  
CLOCK



**The MC-3+ Smart Clock USB is a synchronizable lowest jitter digital audio master clock, USB interface and audio re-clocker based on MUTECH's 1G-Clock technology.**

The new MC-3+ Smart Clock USB significantly improves the audiophile quality of connected devices in two ways: By clocking devices with lowest jitter Word Clocks and by aggressively re-clocking of digital audio signals or USB audio streams. These abilities are based on the proprietary 1G-Clock technology, newly invented by MUTECH, which provides lowest jitter clock signals.

The MC-3+USB uniquely offers asynchronous re-clocking whereas it locks additionally to the audio signal Atomic Clocks or GPS receivers to raise the audio quality and timing accuracy to highest possible levels. For use during live events, the MC-3+USB features fail-safe clock generation in every operation mode. Entering the hold-over mode and re-synchronization will surely not affect recordings. Working as USB isolator, the MC-3+USB rigorously removes computer-based distortions in audio streams and converts these to AES3 and S/P-DIF signals which acoustically improve e.g. most DACs. Thus, one can basically avoid using poor USB interfaces. As for clock distribution and unlike others, the MC-3+USB effectively regenerates incoming clock signals to higher purity as the source, which improves existing clock systems and helps to raise the standard of sound reproduction in most Hi-Fi and studio environments. The MUTECH MC-3+ Smart Clock USB and its unique 1G-Clock add with the most aggressive jitter reduction a significant improvement in sound to most studio set-ups, while ensuring flawless synchronization of connected devices at any time!

## Features

- Incorporates MUTECH's 1G-Clock technology for lowest jitter possible
- Improves audiophile quality of most of the connected devices
- Cleans USB audio streams, works as USB isolator and converter
- Re-clocks digital audio for extensive audiophile improvement
- USB interface works bi-directional
- Locks so-called Atomic Clocks and GPS receivers
- Enhances existing master clocks
- Generates Word & Super Clocks, AES11 & S/P-DIF blanks simultaneously
- Simple user interface and rack-space-saving 9.5" housing
- Built-in, international power supply
- Compatible to Apple Macintosh and Windows PCs

## Applications

- Lowest jitter clock supply for entire studio
- Audiophile improvement of digital audio devices
- Removing of distortions in USB audio streams
- Stellate clock signal supply
- Multiple clock rate synchronization

For more information please feel free to visit:

[www.referenceclocks.com](http://www.referenceclocks.com)