

Black Lion Audio Revolution Clocks



Designed for superior synchronization and supreme audio fidelity, the new Revolution Clocks from Black Lion Audio ensure that all connected digital audio devices operate in perfect sync, even at the highest sampling rates. With a scant 0.5pS RMS of jitter at the BNC outputs, these are the most precise and reliable word clocks from Black Lion to date. Whether in the studio or a live production environment, Revolution clocks provide rock-solid timing for unmatched sonic clarity and depth.

Clocking is essential for any system using multiple digital audio devices. Without proper synchronization, jitter-induced timing errors can cause smearing in the stereo field, reduced transient accuracy, and degraded high-frequency detail. A correctly clocked system eliminates these issues, providing a more precise stereo image, clearer transients, and greater spatial accuracy. The Revolution Clocks function as the central timing reference, eliminating individual device clock errors and ensuring that all connected devices follow the same, ultra-precise timing for flawless audio reproduction.



The Revolution Clock family integrates multiple advanced technologies for superior performance. All Revolution clocks feature Black Lion Audio's patented Macro-MMC technology and precision MEMS oscillators for industry-leading stability. The Revolution Clock XC model introduces Suspended Oscillation technology, physically isolating the oscillators from environmental vibrations to maintain the highest accuracy, even in high-SPL studio environments. Additionally, a built-in mini-transformer ensures galvanic isolation, reducing parasitic interference for an even cleaner clock signal.

The Revolution Clock family includes three models to suit various applications:

- Revolution Clock XC: The flagship model, capable of driving up to 14 devices, featuring Suspended Oscillation technology and an extensive range of connectivity options, including 8 BNC, 2 S/PDIF, 2 ADAT optical, and 2 AES/EBU outputs; as well as BNC clock in. 44.1kHz - 384kHz.

Black Lion Audio introduces new Family of Revolution Word Clocks

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- Revolution Clock: A versatile mid-range option with 4 BNC, 1 S/PDIF, 1 ADAT optical, and 1 AES/EBU output, ideal for medium-sized setups requiring high-quality clocking. 44.1kHz - 384kHz.
- Revolution Clock Mini: A compact yet powerful solution for smaller studios or live use, offering 3 BNC outputs and rock-solid timing up to 192kHz.

Setting up a Revolution Clock is as simple as connecting the desired digital devices to its outputs and setting them to receive external clocking. Intuitive controls and a locking encoder to prevent accidental changes ensure hassle-free operation. Revolution Clocks are also capable of driving signals over 1,000 feet of coaxial cable, making them perfect for large-scale live sound, broadcast, and post-production applications. Experience the best clocking performance from Black Lion Audio to date.

Available for pre-order beginning February 11, 2025, Revolution Clock should start shipping through Black Lion Audio's growing global network of dealers/ distributors in late Q1/early Q2 2025, priced as follows:

- Revolution Clock Mini: \$299 US/€399
- Revolution Clock: \$599 US/€799 SSP
- Revolution Clock XC: \$1,099 US/€1,499

www.blacklionaudio.com