Revolution Clocks

Revolutionary Word Clocking from Black Lion Audio.







in transients and higher-frequency material like cymbals and lengthy reverb tails.

Once a system is set up and clocked correctly, many users observe a greater sense of space and depth thanks to more accurately-reproduced reverbs and stereo imaging. Some even notice elements of their mixes they didn't even hear prior to synced clocking!

Every digital audio device has some amount of timing inaccuracies collectively known as jitter. As you add digital devices to your system, jitter compounds, because each device has its own clock with its own set of timing errors. Even when set to the same sampling rate, they will not be perfectly in sync with each other about when each audio sample starts and stops. These timing errors are responsible for the sonic artifacts mentioned above.

To avoid this, all digital devices that are communicating with each other need to follow a single primary clock that drives the rest of the devices, and that's where the Revolution Clocks come in. While we have designed the Revolution Clocks to be as close to perfect as possible, no clock is absolutely, scientifically perfect. But when you run all of your devices off of a Revolution clock, all of them will follow the Revolution's timing precisely. As a result, you won't even hear these timing-related glitches, as they are now shared (synced) across all connected devices.

REVOLUTION — CLOCK XC — SEXTERNAL



Multiple superior clocking technologies at play

DIM DISPLAY

These Revolution Clocks employ our patented Macro-MMC technology, developed from our years of experience in creating dedicated word clocks, as well as modifying many of the different clock designs found in other recording interfaces.

Furthermore, all Revolution clocks employ a high quality mini-transformer for galvanic isolation and parasitic interference reduction.

The Revolution Clock XC is unique among the family as the most accurate word clock we've developed to date, thanks to its Suspended Oscillation technology, which physically isolates the clocking MEMs from the mechanical vibrations of the real world. Feel free to crank the bass in your studio, it won't affect your clock timing.

We've got a clock to fit your studio or project.

Revolution Clocks are available in three varieties to suit your needs.

All Revolution Clock BNC connections can drive up to 1,000 feet of coaxial cable, making them not only the perfect solution for improving the conversion quality of an audio interface, but also ideal for re-clocking digital mixing consoles at live shows or houses of worship... even as the primary word clock in large post-production or broadcast facilities. It can easily sync all of your digital gear together, even when located in different rooms or different buildings!

Revolution Clock XC

Our flagship clock with a broad array of connectivity options. If you've got a device in your studio that accepts clock in, the Revolution Clock XC can drive it — up to 14 devices, eight over BNC... and it's the best clock we've made yet, thanks to its unique Suspended Oscillation tech.

- ♦ 44.1kHz 384kHz
- A whopping eight BNC outputs
- 2 S/PDIF outputs
- 2 ADAT optical outputs
- 2 AES/EBU outputs
- 1BNC input
- Suspended Oscillation technology

Revolution Clock

The middle child; can drive up to seven devices, four over BNC.

- 44.1kHz 384kHz.
- 4 BNC outputs
- 1S/PDIF output
- 1 ADAT optical output
- 1 AES/EBU output

Revolution Clock Mini

Small but powerful. Can drive up to three devices over BNC.

- 44.1kHz 384kHz
- 3 BNC outputs





Sync your mind and the rest will follow.



Revolution Clock XC: Word clock with Macro MMC, Suspended Oscillation, 8 BNC outs, and 2 S/PDIF, optical, and AES/EBU outs

With PBR LIT patchbays, you'll have an easier time routing your signals while adding instant vibe to your studio. Save the labels and markers for your next yard sale.

Visit www.blacklionaudio.com to get your rack LIT.



SOUND BETTER BETTER S O U N D