



GENx192: The World's Most Advanced, Affordable Master Clock.

Let's face it, all jitter is measurable — We know, we've taken the measurements. The GENx192 is quite simply the most advanced affordable Master Clock ever made. We use extremely low jitter crystal oscillators internally, and a pair of VCOs (voltage controlled oscillators) to convert any input frequency to a rock solid output. Any frequency input, that is, between 28 kHz and 216 kHz.

A synthesized clock is not better — We rely on JIF™ (Jitter Input Filtering) on the input signal to remove jitter before sending it to the outputs. This is state-of-the-art technology that works. The signal comes in as a jittery clock and is converted to a DC control voltage that drives the oscillators. The GENx192 simply outputs a clean, jitter-free signal.

Flexible format conversion — External AES and Word clock inputs are simultaneously converted to AES, Word clock and S/PDIF outputs. It's that simple. Plus, we handle multiple sample rate conversion. For example, if you input 96 kHz the GENx192 Master

Clock can simultaneously output 48 kHz and 192 kHz... it's that easy.

Room to grow — The GENx192 Master Clock can synchronize up to 14 external devices at one time.

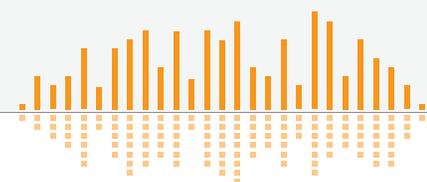
Dropouts, not a problem — If the input signal goes away, the GENx192 will simply switch to its internal oscillator and generate a rock solid clock. Dropouts are not a problem for the GENx192, period.

Termination issues are not an issue with TS-75™ — Elaborate audio clock chains are often improperly terminated. The GENx192 features TS-75™, 75-Ohm input/output termination and tri-state LEDs that indicate proper or improper termination on all Word clock connections. Troubleshooting is a breeze. Proper termination is easily achieved.

The world's easiest interface — Our competition uses a complicated user interface. We keep it simple. No menus, no scrolling, just a simple user interface. You'll be sync'd and ready to go in no time.

Features

- Single rack space ultra low jitter studio master clock. Applications: Studio, Broadcast, Post-Production, Live Sound.
- Eight (8) Word Clock, four (4) AES clock, and two (2) S/PDIF outputs; Word Clock and AES clock inputs.
- Simultaneously generate/distribute multiple sample rates between the two output banks.
- Generate 44.1-192 kHz, distribute 28-216 kHz.
- TS-75: Automatic Word Clock termination sensing and indication.



DATA SHEET: GENx192 Ultra Low Jitter Studio Master Clock



Specifications

Performance Data

Internal clock range: 44.1 kHz and 48 kHz base rates, multiplied by 2x and 4x to 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz

External sync range: 28-216 kHz

Recommended input level: Word clock = 2.0 to 5.0 Vpp (nominal), 1.0 to 7.0 Vpp (lock range); AES = 2.0 to 7.0 Vpp (nominal)

Input impedance: Word = 75 Ω (10k Ω with TERM); AES = 110 Ω

Output impedance: Word = 24 Ω; AES = 110 Ω; S/PDIF = 75 Ω

Output level: Word = 5.2 Vpp, unterminated; 4.0 Vpp, 75 Ω termination; AES = > 3.6Vpp, 110 Ω termination; S/PDIF = >0.3 Vpp, 75 Ω termination

Controls

SYNC SOURCE switch selects Internal, Word, or AES clock sources

A OUTPUTS switch selects the clock multiplier for the A bank of outputs

B OUTPUTS switch selects the clock multiplier for the B bank of outputs

LEDs

LED indications for LOCK and SAMPLE RATE

TERM indicators show under, over and proper termination on each Word clock connection

Connectors

8x (two banks of four) Word clock outputs (female BNC)

4x (two banks of two) AES outputs (male XLR)

2x (two banks of one) S/PDIF outputs (female RCA)

1x Word clock input (female BNC)

1x AES input (female XLR)

1x Power (IEC)

Physical

Size: (HxWxD) 1 rack unit,

1.72 in x 18.91 in x 8.72 in / 4.37 cm x 48.02 cm x 22.15 cm), depth is specified from front panel to back of connectors

Shipping Weight: 8.15 lbs. / 3.70 kg

Electrical

100-240 VAC, 50-60 Hz, 25 Watts maximum

Environment

Maximum operating ambient temperature: 30° C.

GENx192 Basic Setup

