

# ISOCHROME OCX-V

## Video Enabled High Resolution Audio Clock Generator

### BETTER SOUNDING DIGITAL AUDIO



The OCX-V is designed to make any connected device sound noticeably better. This is achieved through exclusive, DDS based, Acoustically Focused Clocking (AFC) technology. Isochrone creator, Igor Levin, first introduced DDS over ten years ago with his legendary Aardsync master clock, a device renowned for its amazing sound, and a staple of many Oscar winning productions. Other manufacturers are only now introducing DDS based master clocks - these first generation products trail far behind the **Isochrone OCX-V, with its decade of clocking research behind it.** Your ears will notice the difference immediately.

### RAISING THE STANDARD

The most important component of any clocking device is the crystal oscillator. The OCX-V uses an Oven Controlled Discrete Transistor Crystal Oscillator, which is simply the highest grade crystal oscillator available. This premium component, typically reserved for communication satellites and other aerospace applications, **achieves up to 100x greater stability and 4-10x lower jitter than competing devices.** If the best crystal oscillator available isn't enough, the OCX-V offers even greater precision with its unique ability to lock to atomic clock.



### MORE THAN JUST CLOCK DISTRIBUTION

The OCX-V is also a powerful clock distributor. Most distribution amplifiers simply rebuffer the clock signal, redistributing jitter-polluted clock throughout the studio. **In contrast, the OCX-V completely regenerates the clock,** taking advantage of Acoustically Focused Clocking placed in the exclusive Jitter Management Module. The result is outgoing clock of vastly higher purity than the source, significantly improving the sound of all connected devices.

### EXTENSIVE VIDEO CAPABILITIES

With globalization and HDTV's rapidly expanding presence, it's more critical than ever that studios accommodate a wide range of standards. The OCX-V offers seamless operation with PAL, NTSC, and **over a dozen HDTV standards.** This versatility is taken a step further by supporting simultaneous 0.1% and 4% pull-up/down functionality, enabling unprecedented flexibility. These features, plus impressive gearboxing functionality make the OCX-V an indispensable tool for any video installation.

With its cutting edge video support, flawless synchronization, intuitive operation, and unmatched sonic benefits, the **OCX-V is without question the ultimate studio clocking solution.**



"I always wanted to make the digital audio sound as natural as possible and am happy to say I have achieved this with the Isochrone"

Igor Levin



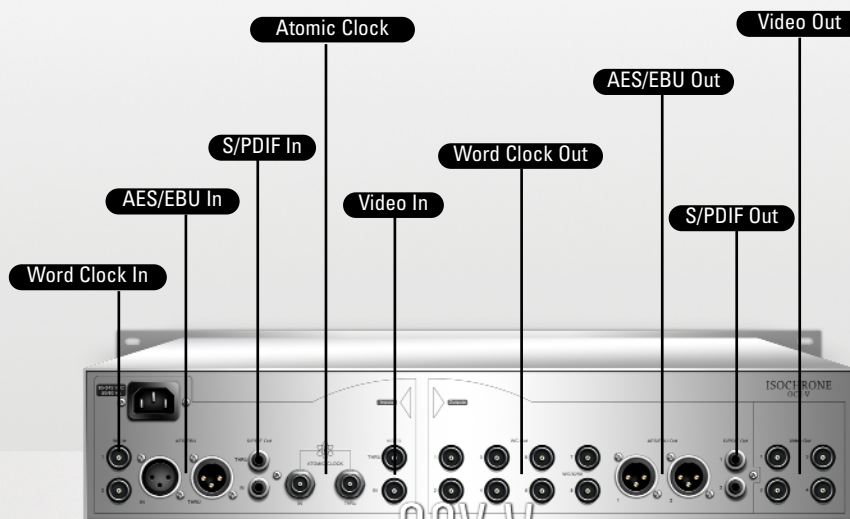


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## the ISOCHROME OCX-V



- ◆ Ultra low jitter, oven controlled crystal oscillator, accurate to 1PPM
- ◆ Jitter Management Module for improved sonic performance
- ◆ Atomic Clock input resolves to Rubidium clock for ultimate Stability
- ◆ DA mode cleanly regenerates the incoming reference prior to distribution
- ◆ The device locks to audio, video and HDTV references
- ◆ Built-in Video Generator supports PAL, NTSC and even NTSC 60
- ◆ Unique ability to lock Video Generator to audio eliminates video-induced jitter
- ◆ Full audio and video gearboxing with simultaneous 0.1 and 4% pull up/downs
- ◆ Flywheeling protects the studio from clock dropouts
- ◆ Extensive frequency and cable termination diagnostics



OCX-V