

Specifications

Audicy

Digital Audio Workstation

Audicy Technical Specifications

Analog I/O

Frequency Response: 20Hz - 15,000 Hz, ± 0.5 dB (@ 32.0 kHz internal sample rate).

20Hz - 20,000 Hz ± 0.5 dB (@ 44.1 kHz internal sample rate).

S/N Ratio: 90dB unweighted, over full bandwidth.

Total Noise + Distortion: <0.005% at 1kHz at full level.

Analog Audio Inputs: Custom time-aligned stereo 18 bit, 64X oversampled delta sigma ADCs with linear phase anti-aliasing filters, dithered by narrowband F/2 noise source. Switchable to match all standard studio levels.

Analog Audio Outputs: 16-bit, time-aligned 8x oversampled DACs. Active differentially balanced. Output level is +20dBu at full level.

Digital I/O

Format: Signals meet ANSI S.40 (1992) and IEC 958 (1993).

Inputs: Switchable AES/EBU or S/PDIF; automatic sample rate conversion on input to 32 kHz, 44.1 kHz ($\pm 4\%$); automatic recognition of Pro and Consumer format; on-board clock recovery for jitter rejection. Automatic SCMS code removal.

Outputs: Simultaneous AES/EBU and S/PDIF, Pro or Consumer format. S/R changeable at any time to 32 kHz, 44.1 kHz or 48kHz. Sample rate output stable & constant during scrub and vari-speed.

Synchronization: Switchable to digital input, external word clock, NTSC or PAL video. Audio quality is maintained even if sync does not equal input. Automatic fallback to internal high-precision crystal.

Word Clock Output: Phase-aligned to output sample rate.

System

Internal Format: 16-bit linear PCM; no data compression used during processing or storage. 24-bit, real-time internal effects processing. 32-bit internal mixing.

Orban DSP engine with dedicated busses for audio I/O and high speed memory access. DSP Engine interfaces directly to Orban RAM Control Modules over proprietary high speed bus. Each module provides its own fast access DMA control circuit.

System: PC platform provides file management screen, updates and access to network IO only. 14" SVGA color monitor standard, 17" optional.
2GB SCSI hard disk drive standard. 3 1/2" floppy drive for software updates.
Optional 4mm data DAT drive for backups. Optional Iomega JAZ removable hard drive uses 1GB Jaz cartridges.

Audio Memory: Up to 512MB (>2 hours, 20 minutes at 32 kHz) on Orban RAM control modules. Up to 2GB storage on a single internal hard disk. Additional drives optional.

Power Requirement: 85-135 or 170-270 VAC, 47-63 Hz, 220 watts. Power supply UL, CSA, and TUV registered. Monitor UL and CSA registered, CE marked.

Sizes (H x W x D)

System Unit: 26"/66cm H x 8"/20cm W x 17"/43cm D.
Display: 14": 14"/36cm H x 12"/30cm W x 15"/38cm D.
Console: 5.5"/14cm H x 34"/86cm W x 36"/92cm D.
Stand: 31"/79cm H x 34"/86cm W x 36"/92cm D.

Shipping Weight: 146 lbs / 70kg (4 boxes).

We're constantly working to improve our products.
Specifications are subject to change without notice.

