Digital Binloop™

32 Channel Synchronous Audio Player
Model D-BIN32

The Digital Binloop is the industry standard for theme park audio reproduction. It provides up to 32 tracks of Digital Audio in a compact, economical, and highly reliable package designed for continuous daily use with no maintenance.

FEATURES:

▸ No Moving Parts
▸ 16 Video + 32 Audio Tracks
▸ SMPTE and Video Synchronization
▸ 16/24 bit 96 KHz Audio
▸ Instantaneous Playback
▸ CobraNet Option
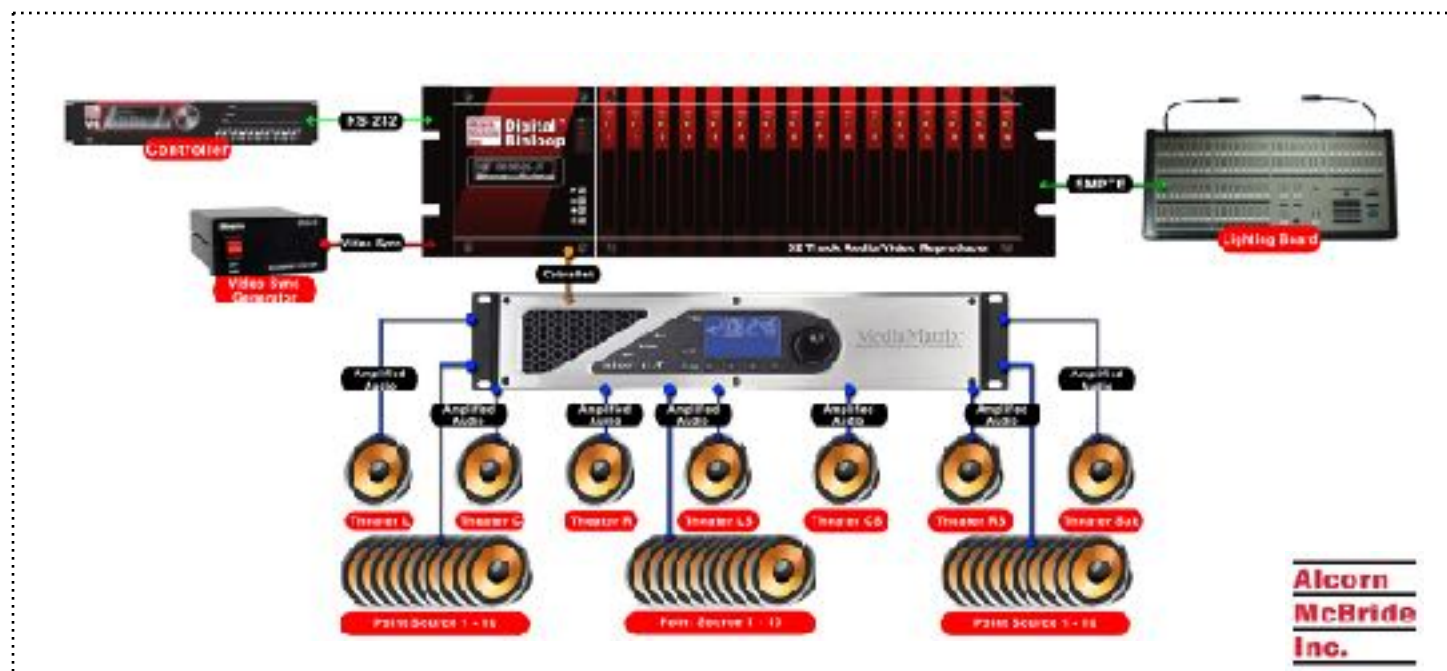▸ Multiple Control Options
▸ Playlisting and Scheduling

APPLICATIONS:

▸ Theater Shows
▸ 4-D Movies
▸ Multi-zone Audio Presentations
▸ Background Music (BGM)

With up to 32 channels of 24-bit/96KHz audio and no moving parts, the Digital Binloop is the ultimate audio source.

The Digital Binloop can be configured to play up to 32 channels completely synchronized (down to the frame), independently, or any combination of the two. With a variety of control options — Ethernet, RS-232, MIDI, SMPTE timecode, Video sync, etc. — and a variety of audio output options — balanced, unbalanced, AES/EBU, CobraNet - the Digital Binloop is the perfect solution for any application. And since it stores the audio on CompactFlash, the Digital Binloop will work for years without any maintenance required.

When your application demands the highest-quality audio, the Digital Binloop is the ultimate solution.

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PRODUCT SPECIFICATIONS

Video

Channels:	Up to 16
Formats:	MPEG-2 MP@ML
Max Bitrate:	15 Mbps
Resolutions:	NTSC or PAL
Digital Video:	SDI (SMPTE-259M) Option
Analog Video:	CVBS Composite
	Component (YPbPr or RGsB)

Audio

Formats:	16 or 24 bit PCM, WAV, AIFF, Raw PCM
Media:	CompactFlash
Channels:	32 Independent or Synced
Signal-to-Noise Ratio:	120 dB
Sample Rate:	32 KHz, 44.1 KHz, 48 KHz, 98 KHz
Unbalanced:	(32) RCA Phono
Balanced:	4 x DB-25F
Digital Audio:	S/PDIF, AES - 2 x DB37F
Network Audio:	CobraNet™ (Option)

Control

Display:	VFD, 8 unit status LEDs; 16 reproducer status LEDs
User Control:	Pushbuttons; Rotary encoder with push to select
	Start/read SMPTE, pause SMPTE, stop, mute all; each reproducer:start/stop
Sync In:	Blackburst
Serial:	RS-232C
Inputs:	Contact/voltage group triggers
Network:	100BT Standard; UDP
MIDI:	31.25Kbaud

TimeCode

Format:	SMPTE or EBU (Reader and Generator)
Frame Rates:	23.976, 24, 25, 29.97, 30
Triggers:	256

Physical

Power:	120-240 VAC (Autosense) 250W max.
Size:	19"W x 5.25"H x 11"D (480mm x 130mm x 280mm), 3RU
Weight:	25 lbs. (11 Kg)
Environment:	0°C (32°F) to 38°C (100°F)
	0-90% relative humidity
Compliance:	CE, UL, SA

Specifications subject to change without notice.