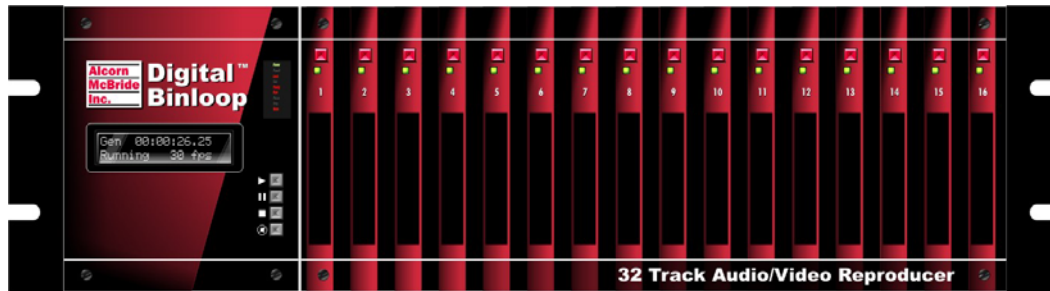


# Digital Binloop™

## 32 Track Digital Audio/Video Reproducer



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.

It plays 16 and 24-bit WAV or AIFF files at up to 96KHz, or MPEG-2 video at up to 15Mbps. Each cage accommodates up to 16 reproducer cards. Audio or video clips are stored on CompactFlash media, so there are absolutely no moving parts to wear out. Each card can hold hours of audio. Simply copy files — thousands of them, if you like — from your PC to the CompactFlash card. Monophonic audio files can be independently assigned to the left and right channels of each reproducer, so the 32 tracks really are completely independent.

The primary difference between the Digital Binloop and other reproducers is its awareness of show synchronization and control issues. It locks to NTSC or PAL video sync, and reads or generates linear timecode at many different SMPTE and EBU rates.

Controlling a Digital Binloop is amazingly simple. It responds to contact closures, RS-232, MIDI, and Ethernet (4Q2006) — all simultaneously! Reproducer cards or whole Binloops can be grouped to respond to the same command, allowing a single event to control hundreds of tracks.

Unbalanced, balanced and digital AES/EBU audio outputs are standard. A 32 channel CobraNet output will be available 4Q2006.

Composite, YUV and RGBHV video outputs are standard, and SDI (SMPTE-259M) digital video is also available. When playing video, each of the sixteen tracks may be multiplexed with stereo or Dolby AC3 audio.

The Digital Binloop has been the theme park standard for more than a decade. It's simply the most advanced multitrack audio/video reproducer ever. Contact your Alcorn McBride representative today for a demonstration.

Digital Binloop and Video Binloop are trademarks of Alcorn McBride Inc. "Dolby" and the Double D symbol are trademarks of Dolby Laboratories. Ethernet and CobraNet available 4Q2006.

### Applications

- Museums
- Cruise Ships
- Theme Parks
- Visitor Centers
- Retail Stores
- Restaurants
- Casinos

### Features

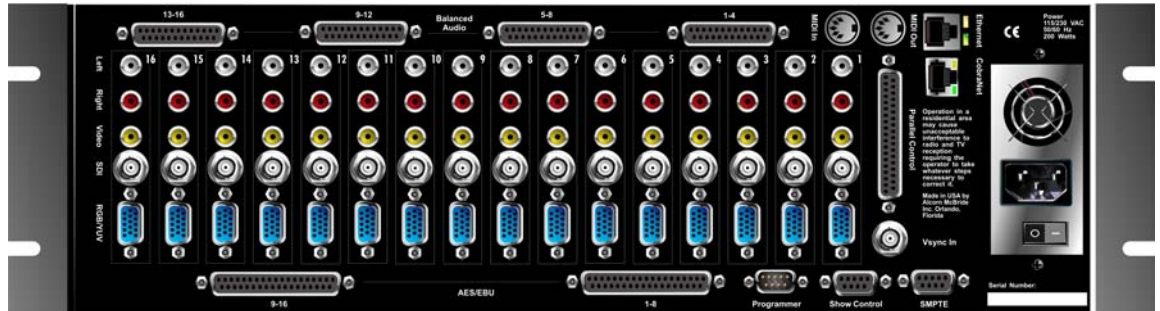
- 16 Video Tracks
- 32 Audio Tracks
- 16/24 bit 96KHz
- 1000s of Clips
- Instant Playback
- No Moving Parts
- Timecode Sync
- Video Sync
- MIDI, RS-232
- Contact Control
- Ethernet
- CobraNet
- Zero Maintenance

**Alcorn  
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Inc.**

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Fax (407) 296-5801  
info@alcorn.com

# Digital Binloop™

## 32 Track Digital Audio/Video Reproducer



### Specifications

#### Cage Assembly

Part Number	DBC32
Dimensions	19"W x 5.25"H x 10.25"D (48cm x 13cm x 26cm)
Weight	25lbs (11Kg)
Power	110 or 220 VAC, 50 or 60 Hz, 300W Max.
Certifications	UL Listed, CE Compliant, ROHS, WEEE
Operating Temperature	0°C (32°F) to 38°C (100°F) free air circulation.
Operating Environment	0-90% relative humidity, non-condensing

#### Controller

Part Number	DBAP2 (DBAP3 available 4Q06)
Linear Timecode Formats	SMPTE or EBU
LTC Rates	23.98, 24, 25, 29.97, 30, and 30 drop
LTC Dropout Tolerance	Infinite
LTC Input	Transformer Isolated, 600 ohm Balanced
LTC Output Level	Selectable 1-10 Vp-p, Balanced or Unbalanced, 10 ohms max
Front Panel Buttons	Start, Pause, Stop SMPTE, Mute
Front Panel Display	2 line VFD
Status Outputs	Ready, Running, and Fault Contact Closures
Serial Control	RS-232C
Control Inputs	LTC Control plus 8 Group Starts
Ethernet Control	100 Base-T (DBAP3)
Video Sync Input	NTSC or PAL Composite Sync

#### Digital Reproducer (up to 16)

Part Number	REPRO24D
Media	CompactFlash, FAT 32 File System
Front Panel Button	Play/Stop
Indicators	Playing, Still/Pause, Muted
Audio File Formats	WAV or AIFF, 16 or 24 bit PCM, 32, 44.1, 48 or 96 KHz, Stereo or Mono
Bitrate Accuracy	7ppm
Track Skew	Less than 100ns
Analog Audio Output Level Balanced	+8 volts max. into 150 ohms
Analog Audio Output Level Unbalanced	+4 volts max. into 20K
Output Impedance	DC Coupled, less than 10 ohms
Frequency Response	DC-20,000 Hz +/- 0.5 dB
Signal-to-Noise Ratio	120 dB
THD	0.008%
Digital Audio Output	AES/EBU, S/PDIF (IEC958) or AC3
Video File Format	MPEG-2, MP@ML Program Stream
Video Bitrate	15 Mbps Max
Analog Video Output	RGBHV, YUV, Composite Video
Digital Video Output	SDI (SMPTE-259M) (optional)

#### CobraNet Interface

Part Number	DBCN1 (available 4Q06)
Channels	32

*Specifications subject to change without notice.  
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Ethernet and CobraNet available 4Q2006.*

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