

Digital Binloop™

32 Channel Synchronous Audio Player
Model DBC32DSXX



AUDIO PLAYBACK

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.



**Alcorn
McBride
Inc.**

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AUDIO PLAYBACK

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 RgBsB) |

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 |
| Operating Temperature: | 0°C (32°F) to 38°C (100°F) 0-90% Relative Humidity |
| Size: | 19" W x 5.25" H x 11" D (48 cm W x 13 cm H x 28 cm D), 3RU |
| Weight: | 25 lbs. (11 Kg) |
| Environment/Shock: | 0-90% relative humidity, non-condensing |
| Power Supply Compliance: | CE, UL |

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