

Digital Audio Machine™

Professional Digital Audio Player



Alcorn McBride's Digital Audio Machine is a studio quality MP3 and WAV player with all the interfaces sound contractors need for professional installations.

Sounds are stored on a CompactFlash™ card, so playback is virtually instantaneous. You can create and edit your audio using your desktop PC. Then just copy the clip to the media or transfer it via the Ethernet option. Add our Digital Media Manager software and any PC on the network becomes a paging station!

Clips may be triggered using external contacts or pushbuttons, serial RS-232 messages, Ethernet, playlists or the built-in real time scheduler. The unit can also simply loop continuously when powered.

The Digital Audio Machine can also be connected to standard GPS devices, allowing it to step through cues automatically as it moves through user-defined geographical zones!

It fits almost anywhere, from dashboard to rack, and even works in high vibration environments, such as roller coasters! Power it with a 12V battery or your choice of AC adapters. Contact your Alcorn McBride representative today for a demonstration.



Model AM4/A/E

Features

- 16-bit WAV and MP3
- Real Time Scheduler
- Playlisting
- GPS Input
- Parallel & Serial Control
- Ethernet Option
- Amplifier Option
- Balanced & S/PDIF Option
- Rack or Wall Mount
- Compact, Shock Resistant
- CompactFlash
- Zero Maintenance

Applications

- Transportation
- Tourism
- Kiosks
- Museums
- Theme Parks
- Casinos
- Retailing
- Visitor Centers
- Restaurants

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Model AM4/B/E

Specifications

Model Number	Base Unit Ethernet Amplifier Pro Audio	AM4 /E /A /B	<i>In addition to Ethernet, the unit may be equipped with any one of three output options</i>
Audio	Audio Output DAC Resolution Deviation from Linear phase Total Harmonic Distortion Dynamic Range (A-weighted) Inter-channel Isolation Interchannel Gain Mismatch Frequency Response Maximum Phase Non-Linearity Line Output Level Unbalanced, Line Output Load Media Playback Time Audio Format	Stereo unbalanced RCA Phono connectors 16 Bits +/-0.5 dB 0.008% 94dB 90dB 0.1 dB 10 to 20 Khz +/-0.1 dB 5 degrees 4.07V P-P max (3.70 typical) into 20K 10K Ohm Minimum, 100pF Maximum CompactFlash About 1 minute per MB for MP3, 6 seconds per MB for WAV MP3 Fixed or Variable bit rate; 16 bit linear PCM (WAV)	
Pro Audio Option	S/PDIF Digital Audio Out Balanced Stereo Audio Out	RCA phono jack +4dB, Dual Female XLR and 1/4 inch phono jack (combo)	
Amplifier Option	Output Power	20 Watts into 8 Ohms, 10% THD Max, Screw terminals (15 Watts when operated from 12V power.)	
Amp with Mic Option	Output Power Mic Input Push to Talk Input Remote Volume Control Inputs Controls	40 Watts into 8 Ohms, (15 Watts when operated from 12V power.) Signal +/- and shield on three screw terminals Contacts duck audio and activate mic, screw terminals Volume up and down contacts, three screw terminals Mic volume, Phantom power enable pushbutton	
Ethernet Option	Type	100 Base-T on RJ-45	
Control	Parallel Serial Response Time Buttons Display Switches Pots GPS	DB-37F parallel inputs select 15 clips, play, stop, loop, mute DB-9M RS-232 Less than 33 msec. Front panel test button Front panel bi-color LED Ground lift, contact/voltage control, GPS Enable, Write Protect Audio Volume Control NMEA 0183 compatible	
Physical	Power Power Connector Size Weight Operating Temperature Operating Environment Shock AC Adapter Certification	9 VDC to 26 VDC at 2 Amp Barrel connector (2.5 mm x 5.5 mm x 10 mm) 7"W x 7"D x 1.5"H (17.75 cm W x 17.75 cm D x 4.45cm H) 4 lbs. (1.8 Kg) 0°C (32°F) to 38°C (100°F), free air circulation 0-90% relative humidity, non-condensing 20 g max Vibration (Compact Flash), 1g (hard drive) Specify 110 - 120 VAC 60Hz or 220 - 240 VAC 50Hz CE	
Mounting Kits	Wall Mount Single 19" Rack Panel Dual 19" Rack Panel	Model SMAM4 Model RMAM4 Model RMAM42U	



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