DMS6000

MP3 Stereo Audio Playback unit

Version 1.01 24/03/2016

Golding Audio Ltd

DMS6000 sound stores are based on industry standard MP3 compression. Audio data is stored on SD memory cards and can be recorded using any PC equipped with a SD card reader.

Message playback can be initiated in a number of ways via: Direct Trip inputs, RS485 commands, or Command file selection.

The DMS range of sound stores are ideally suited to audio applications in theme parks, multi-lingual applications, sound effects, public announcements or directions, emergency evacuations, background music and advertising, museum or trade displays, and numerous other applications.

Features

Cost effective
Dual audio output
    Highly efficient 2 x 25W Class D Amplifier
    Unbalanced "true" line level output
8 direct access trip inputs (binary mode extends to 255)
4 fully controllable open drain outputs (30vdc, 2A max)
Improved control functions
Simple firmware upgrade
Flexible ordering options
    Board only
    Compact case (DC powered)
    1U, 19" (mains powered)
    3U Subrack mounted (upto 8 boards per nest)

Dimension

PCB - Standard Euro card.
160mm X 100mm X 25mm (L x W x H)
1U Case
483mm X 330mm X 44mm (L x W x H)
Compact Case
154mm X 220mm X 52mm (L x W x H)

Specifications

Voltage input	10 – 28VDC MAX (Compact case/PCB)
	110 - 240VAC (1U Case)
Standby current	100mA (200mA with LCD)
Maximum current	3A peak (driving 2 x 4Ω speakers at 24V)
Line output	1V rms into 600Ω unbalanced (+2.2dBu)
Audio controls	Volume
	Treble boost
	Bass boost
	Balance
Speaker output power	Compact Case 12V, 8Ω load 8W + 8W
	Compact Case 12V, 4Ω load 15W + 15W
	Compact Case 24V, 8Ω load 13W + 13W
	Compact Case 24V, 4Ω load 27W + 27W
	1U Case, 8Ω load 13W + 13W
	1U Case, 4Ω load 27W + 27W
Memory	Standard SD card 1GB to 32GB
Audio file	MP3 (without ID tags)
Sample Rates	32KHz, 44.1KHz and 48KHz
Bit Rates	32, 64, 96, 128, 160,
	192, 224, 320 Kbps
Trip inputs	8 Active low with 10k pullup to 5v
	or
	8 Active high with 10k pull-down to gnd.
Trip modes	8 direct inputs
	Edge triggered
	Level triggered
	Normally open
	Normally closed
	Binary mode (255 possible codes)
	Priority interrupt
	Any interrupt
	No interrupt
	Self interrupt
Control outputs	4 x 2Amp open drain (pull to gnd) 30v max.
	CTL out 1 can be used as RUN output, active when playing
Control inputs:	
Start	Latches code in binary mode
Stop	Cancel any audio or control file
Control 1+2	Future use
ADC	Remote volume or timer control (0-10v)
Remote control / Sync	RS485 serial control

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