DSU500 V2

adpcm compact audio player

Version 1.0 17/04/2018

Golding Audio Ltd

The latest addition to our range of products, the DSU500 V2 fulfills a need in the marketplace for an extremely cost effective, reliable and simple to use audio player where short duration audio effects are required.

With a highly efficient class D amplifier capable of delivering 25W into 4 ohms and a line level output the DSU500 V2 is the ideal product for a wide variety of installations.

Typical Applications:
- Interactive kiosks
- Triggered sound effects
- Background sound effects
- Point Of Sale
- In-vehicle sound systems
- Voice alarm systems
- Intruder warning systems

Features

- Cost effective
- Highly efficient 25W Class D amplifier
- Compact unit with integral fixing points
- Screw terminals for ease of installation
- Line out for driving external amplifiers
- 4 direct access trip inputs
- USB port for drag and drop data transfer
- Power Supply included
- On board memory
- USB powered for programming
- Random and Sequential Tripping
- Variable Lockout timers

Specifications:

Power	12 - 28V DC, 2.5A peak, 100mA standby
Trips	4 x active low or active high inputs with programmable de-bounce
	Individual Normally Open or Normally Closed
	Individual one shot options
Priority options	Non interruptible
	Any other trip interrupt
	Lower trip priority
	Self interupt
Run output	1 x open drain, 500mA, 30VDC max
USB input	For loading audio and control files only
Audio format	Microsoft ADPCM (MONO)
Sample rates	48KHz, 44.1KHz, 32KHz, 16KHz, 8KHz
Memory	On board 32Mb flash
Storage time	20 minutes @ 48KHz, 32 minutes @ 32KHz, 65 minutes @ 16KHz
Number of audio files	Upto 400
Digital resolution	16 bit
Speaker output	Class D, push pull, 13W into 4 Ohms @12V, 25W into 4 Ohms @ 24V
Line output	Variable to +3dB
Volume control	On board screwdriver adjustable logarithmic control
Status indicators	Blue - Status / Error code in bootloader
	Red - Power / Error code
Dimensions	117mm x 75mm x 25mm

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