

# DSU500

adpcm compact audio player

Version 1.0 24/01/2011



Golding Audio Ltd

The latest addition to our range of products, the DSU500 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 20W into 4 ohms and a line level output the DSU500 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 20W 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

## Specifications:

Power	12-15V DC, 2A peak, 100mA standby
Trips	4 x active low inputs with programmable de-bounce Individual NO or NC Individual one shot options
Priority options	Non interruptible Any other trip interrupt Lower trip priority Self interrupt
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, 8KHz
Memory	On board 8Mb flash
Storage time	8 minutes @ 32KHz, 16 minutes @ 16KHz
Number of audio files	Upto 4
Digital resolution	16 bit
Speaker output	Class D, push pull, 20W into 4 Ohms @12V supply
Line output	Provided
Volume control	On board screwdriver adjustable control
Status indicators	Blue - Steady when playing Red - Steady when powered Red - Flashing code to indicate error Red - steady flash to indicate USB port activity
On-board jumpers	USB enable, firmware update
Dimensions	117mm x 75mm x 25mm

