



# TECHNICAL BULLETIN

Date: 29<sup>TH</sup> Sept 09 Rev 2 Jan 2017

No: 112

Raised by: AST/TC

Distributed to: As required

Soundtracs – Digico UK Ltd, unit 10 Silverglade Business Park Chessington Surrey KT9 2QL England

Tel: +44 (0)1372 845600 Fax: +44 (0)1372 845656 email: [support@digiconsoles.com](mailto:support@digiconsoles.com)

## SD SERIES MIXERS

### GPO / RELAY OUTPUTS, GPI INPUTS CONNECTIONS

By Funct'n				By Pin		
GPO	GPI	PIN		PIN	GPO	GPI
01+	01+	2		1	NC	NC
02+	02+	3		2	01+	01+
03+	03+	4		3	02+	02+
04+	04+	5		4	03+	03+
05+	05+	6		5	04+	04+
06+	06+	7		6	05+	05+
07+	07+	8		7	06+	06+
08+	08+	9		8	07+	07+
09+	09+	10		9	08+	08+
10+	10+	11		10	09+	09+
11+	11+	12		11	10+	10+
12+	12+	13		12	11+	11+
13+	13+	14		13	12+	12+
14+	14+	15		14	13+	13+
15+	15+	16		15	14+	14+
16+	16+	17		16	15+	15+
01-	GND	20		17	16+	16+
02-	GND	21		18	5V	5V
03-	GND	22		19	0V	0V
04-	GND	23		20	01-	GND
05-	GND	24		21	02-	GND
06-	GND	25		22	03-	GND
07-	GND	26		23	04-	GND
08-	GND	27		24	05-	GND
09-	GND	28		25	06-	GND
10-	GND	29		26	07-	GND
11-	GND	30		27	08-	GND
12-	GND	31		28	09-	GND
13-	GND	32		29	10-	GND
14-	GND	33		30	11-	GND
15-	GND	34		31	12-	GND
16-	GND	35		32	13-	GND
0V	0V	19		33	14-	GND
0V	0V	37		34	15-	GND
5V	5V	18		35	16-	GND
5V	5V	36		36	5V	5V
NC	NC	1		37	0V	0V

#### Connection Notes

GPO Relay outputs are SPST make connects. These are floating on connections + and - .

Contact are rated 0.5A 28V ac/dc (max 10W)

GPI inputs are logic (non isolated) requiring a make to 0V (earth). These have internal pull-up 22K to +5V and 4K7 series resistance. A simple single pole switch or relay (make to 0V) will trigger the input.

The +5V present is fused internally for logic level use only.

#### SMALL MIXERS 1/4" socket connections 2 GPI and 2 GPO

These are on 1/4" jack stereo sockets (tip,ring,sleeve) wired tip and sleeve only, compatible with mono plugs.

One GPI or GPO per socket

Electrical specifications are as above

Refer to mixer user manual for operation of GPO and GPI functions in software.