

## Meridian DSP420 RS232 Interface.

### General Information

The RS232 interface for the DSP420 can be operated from any terminal that operates at 9600 baud with 1 start bit, 1 stop bit and no parity. Commands take the form of 2 ASCII characters, in some cases followed by a signed argument ('nn' below). All characters are echoed by the speaker. A carriage return character will execute the command and backspace is also implemented. When a command is executed, the speaker will return 8 characters.

### Basic Functions

The following tables list the basic commands available and show examples of the messages returned. In each case the message returned via RS232 corresponds with the display on the front panel of the processor.

Source Commands		
RS232 Command	Description	Message Returned
CD	Select CD source	CD 65
RD	Select Radio	Radio 65
LP	Select LP	LP 65
TV	Select TV	TV 65
T1	Select Tape 1	Tape1 65
T2	Select Tape 2	Tape2 65
CR	Select CDR	CDR 65
CB	Select Cable	Cable 65
DV	Select DVD	DVD 65
V1	Select VCR 1	VCR1 65
V2	Select VCR 2	VCR2 65
LD	Select Laser Disc	LDisc 65

Volume Commands		
RS232 Command	Description	Message Returned
VP	Volume +	CD 66
VM	Volume -	CD 64
VNnn	Go to volume (1-99)	CD 87
MU	Mute	Mute
SB	Standby	Standby
POnn	Position Setting, 0=Normal, 1=High, 2=Corner	Normal
BNnn	Bass setting	B. +2.0
TNnn	Tilt Setting	T. -3.0
LNnn	Balance setting	L. +3
%inn	Input 1=D1, 2=D2	Input D1
PHnn	Phase	Phase +

Additional Source Commands – Correspond to MSR4 keys			
RS232 Command	Description	RS232 Command	Description
PL	Play	rp	AB Repeat
ST	Stop	AB	AB Repeat
PS	Pause	PH	Phase
RP	Repeat	TB	T (MSR 3)
NE	Next	#B	# button
PR	Previous	CH	Chapter (MSR3)
DI	Display	SE	Setup
SR	Store	ME	Menu
CL	Clear	RT	Return
DP	Decimal Point	EN	Enter
FF	Fast Forward	TM	Top menu
FB	Fast Back	NP	Next page
N0 – N9	Number keys 0 - 9	PP	Previous page
OP	Open	cl	Fn Clear
MO	Mono	sr	Fn Store
TI	Title	di	Fn Display
SL	Slow	mu	Fn Mute
BA	Band	mp	Fn Menu U
AU	Audio	mm	Fn Menu D
SU	Subtitle on/off	ml	Fn Menu L
su	Subtitle choice	mr	Fn Menu R
OS	OSD	vp	Fn Volume Up
RC	Record	vm	Fn Volume Down
AN	Angle		