

Appendix I

Jupiter ES–bus Commands and the TCS 1 Translator

In order for the TCS 1 machine commands and status to be utilized in the Jupiter ES–bus command environment, TCS 1 command and status bits (relays) are assigned specific functions. All implementations of TCS 1 and expansion of current machine control systems to Jupiter control, must conform to this standard.

Command Byte	Bit	Master control relay number	Description	
1	0	1	PLAY	Standard Play
1	1	2	STOP	Stop Transport
1	2	3	REWIND	Shuttle MAX Reverse
1	3	4	FAST FWD	Shuttle MAX Forward
1	4	5	READY	Ready Select (On/Off)
1	5	6	TAPE/EE	Tape/EE command
1	6	7	MARK	Preset MARK point (Entry)
1	7		Framing	Always 0
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2	0	8	SEARCH	Target Search to point previously marked
2	1	9	RECORD	Entry Record mode
2	2	10	EXIT	Exit Record mode
2	3	11	EDIT OFF	Crash record enable
2	4	12	ASSM	Enable Assemble Editor
2	5	13	INSERT	Enable Insert Editor
2	6	14	PREVIEW	Preview Edit, rehearsal
2	7		Framing	Always 0

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Command Byte	Bit	Master control relay number	Description	
3	0	15	VIDEO	Video Channel On/Off
3	1	16	AUDIO 1	Audio 1 Channel On/Off
3	2	17	AUDIO 2	Audio 2 Channel On/Off
3	3	18	AUDIO 3	Audio 3 Channel On/Off
3	4	19	VAR	Variable Play [still]
3	5	20	SHTTL	Shuttle [still]
3	6	21	STEP	Step 0
3	7		Framing	Always 0

4	0	<—	Direction and Speed	
4	1	—>	Direction and Speed	
4	0–3		Shuttle Knob – LSB	
4	7		Framing	Always 0