

RS-232 Control Setup

Computer	LC-SM2/1, XM1	
Cable		NOT supplied (P/N AT-72021)
Serial Port		8 Pin DIN Control Port
Pin 3 DB9		~ Pin 6: Transmit
Pin 2 DB9		~ Pin 1: Receive
Pin 5 DB9		~ Pin 4: Ground
Delay		40 ms between commands
Settings		19,200 baud, 8N1

RS-232 Control Commands

	Ascii	Hex	LC-SM2/1, XM1
Separator	CR LF	0Dh 0Ah	After each command/reply
Commands	C00	43h 30h 30h	Power On
	C01	43h 30h 31h	Compulsory Power Off
	C02	43h 30h 32h	Power Off
	C05	43h 30h 35h	Computer Mode
	C07	43h 30h 37h	AV (Video) Mode
	C09	43h 30h 39h	Volume +
	C0A	43h 30h 41h	Volume -
	C0B	43h 30h 42h	Sound Mute On
	C0C	43h 30h 43h	Sound Mute Off
	C0D	43h 30h 44h	Video Mute On
	C0E	43h 30h 45h	Video Mute Off
	C0F	43h 30h 46h	Regular Video Image (4:3)
	C10	43h 31h 30h	Wide Video Image (16:9)
	C1C	43h 31h 43h	Menu On
	C1D	43h 31h 44h	Menu Off
	C1E	43h 31h 45h	Clear Display
	C1F	43h 31h 46h	Normal
	C20	43h 32h 30h	Brightness Up
	C21	43h 32h 31h	Brightness Down
	C30	43h 33h 30h	Digital Zoom +
	C31	43h 33h 31h	Digital Zoom -
	C3A	43h 33h 41h	Pointer Right
	C3B	43h 33h 42h	Pointer Left
	C3C	43h 33h 43h	Pointer Up
	C3D	43h 33h 44h	Pointer Down
	C3F	43h 33h 46h	Select
	C43	43h 34h 33h	Freeze On
	C44	43h 34h 34h	Freeze Off
	C89	43h 38h 39h	Auto Image
	C8A	43h 38h 41h	Presentation Timer
	C8E	43h 38h 45h	Keystone +
	C8F	43h 38h 46h	Keystone -

RS-232 Status Checks

	Ascii	Hex	LC-SM2/1, XM1
Separator	CR LF	0Dh 0Ah	After each command/reply
Command	CR0	43h 52h 30h	Projector Condition?
Reply	00	30h 30h	Power ON
	80	38h 30h	Stand By
	40	34h 30h	Count Down
	20	32h 30h	Cool Down
	10	31h 30h	Power Abnormality
	88	38h 38h	Temperature Abnormality
	28	32h 38h	Temperature Abnormality
	02	30h 32h	Key Input Prohibition
Command	CR1	43h 52h 31h	Active Input Mode?
Response	1	31h	Computer
	3	33h	Video
Command	CR3	43h 52h 33h	Lamp Time?
Response	****	****	4 Digit
Command	CR4	43h 52h 34h	Image Orientation?
Response	11	31h 31h	Normal
	10	31h 30h	Top/Bottom Reversal
	01	30h 31h	Left/Right Reversal
	00	30h 30h	Top/Bottom & Left/Right