

RS-232 Control Setup

Computer	LC-XNB2* and LC-NB2*	LC-XNB1U	LC-NB1*
Cable	NOT supplied (P/N AT-72021)	Supplied (P/N 645 026 6843)	Supplied (P/N 645 026 6843)
Serial Port	8 Pin DIN Control Port	12 Pin Control Port	12 Pin Control Port
Pin 3 DB9	~ Pin 6: Transmit	~ Pin 3 Ctrl: Transmit	~ Pin 3 Ctrl: Transmit
Pin 2 DB9	~ Pin 1: Receive	~ Pin 2 Ctrl: Receive	~ Pin 2 Ctrl: Receive
Pin 5 DB9	~ Pin 4: Ground	~ Pin 9 Ctrl: Ground	~ Pin 9 Ctrl: Ground
Delay	40 ms between commands	40 ms between commands	40 ms between commands
Settings	19,200 baud, 8N1	19,200 baud, 8N1	19,200 baud, 8N1

RS-232 Control Commands

	Ascii	Hex	NOTEBOOK TWO Series	LC-XNB1U	LC-NB1U/W
Separator	CR LF	0Dh 0Ah	After each command/reply	After each command/reply	After each command/reply
Commands	C00	43h 30h 30h	Power On	Power On	Power On
	C01	43h 30h 31h	Compulsory Power Off	Compulsory Power Off	Compulsory Power Off
	C02	43h 30h 32h	Power Off	Power Off	Power Off
	C05	43h 30h 35h	Computer Mode	Computer Mode	Computer Mode
	C06	43h 30h 36h	MCI Mode	MCI Mode	MCI Mode
	C07	43h 30h 37h	AV (Video) Mode	AV (Video) Mode	AV (Video) Mode
	C09	43h 30h 39h	Volume +	Volume +	Volume +
	C0A	43h 30h 41h	Volume -	Volume -	Volume -
	C0B	43h 30h 42h	Sound Mute On	Sound Mute On	Sound Mute On
	C0C	43h 30h 43h	Sound Mute Off	Sound Mute Off	Sound Mute Off
	C0D	43h 30h 44h	Video Mute On		Video Mute On
	C0E	43h 30h 45h	Video Mute Off		Video Mute Off
	C0F	43h 30h 46h	Regular Video Image (4:3)	Regular Video (4:3)	Regular Video (4:3)
	C10	43h 31h 30h	Wide Video Image (16:9)	Wide Video (16:9)	Wide Video (16:9)
	C1C	43h 31h 43h	Menu On	Menu On	Menu On
	C1D	43h 31h 44h	Menu Off	Menu Off	Menu Off
	C1E	43h 31h 45h	Clear Display	Clear Display	Clear Display
	C1F	43h 31h 46h	Normal	Normal	Normal
	C30	43h 33h 30h	Digital Zoom +		
	C31	43h 33h 31h	Digital Zoom -		
	C3A	43h 33h 41h	Pointer Right	Pointer Right	Pointer Right
	C3B	43h 33h 42h	Pointer Left	Pointer Left	Pointer Left
	C3C	43h 33h 43h	Pointer Up	Pointer Up	Pointer Up
	C3D	43h 33h 44h	Pointer Down	Pointer Down	Pointer Down
	C3E	43h 33h 45h	Right Click	Front Click	
	C3F	43h 33h 46h	Select	Enter	Enter
	C43	43h 34h 33h	Freeze On	Freeze On	Freeze On
	C44	43h 34h 34h	Freeze Off	Freeze Off	Freeze Off
	C46	43h 34h 36h	Zoom Down	Zoom Down	Zoom Down
	C47	43h 34h 37h	Zoom Up	Zoom Up	Zoom Up
	C4A	43h 34h 41h	Focus Down	Focus Down	Focus Down
	C4B	43h 34h 42h	Focus Up	Focus Up	Focus Up
	C4F	43h 34h 46h		Cursor	Cursor
	C59	43h 35h 39h	Page Up	Page Up	Page Up
	C5A	43h 35h 41h	Page Down	Page Down	Page Down
	C80	43h 38h 30h	Zoom Mode		Zoom
	C87	43h 38h 37h	Focus Mode		Focus
	C88	43h 38h 38h	Digital Zoom	Digital Zoom	
	C89	43h 38h 39h	Auto Image	Auto Image	
	C8B	43h 38h 42h	No Show On	No Show On	
	C8C	43h 38h 43h	No Show Off	No Show Off	
	C8E	43h 38h 45h	Keystone +		
	C8F	43h 38h 46h	Keystone -		

RS-232 Status Checks

	Ascii	Hex	NOTEBOOK TWO Series
Separator	CR LF	0Dh 0Ah	After each command/reply

Command	CR0	43h 52h 30h	Projector Condition?
Reply	00ACK	30h 30h 06h	Power ON
	80ACK	38h 30h 06h	Stand By
	40ACK	34h 30h 06h	Count Down
	20ACK	32h 30h 06h	Cool Down
	10ACK	31h 30h 06h	Power Abnormality
	88ACK	38h 38h 06h	Temperature Abnormality
	28ACK	32h 38h 06h	Temperture Abnormality
	02ACK	30h 32h 06h	Key Input Prohibition

Command	CR1	43h 52h 31h	Active Input Mode?
Response	1ACK	31h 06h	Computer
	2ACK	32h 06h	MCI
	3ACK	33h 06h	Video

Command	CR3	43h 52h 33h	Lamp Time?
Response	****ACK	**** 06h	4 Digit

Command	CR4	43h 52h 34h	Image Orientation?
Response	11ACK	31h 31h 06h	Normal
	10ACK	31h 30h 06h	Top/Bottom Reversal
	01ACK	30h 31h 06h	Left/Right Reversal
	00ACK	30h 30h 06h	Top/Bottom & Left/Right