

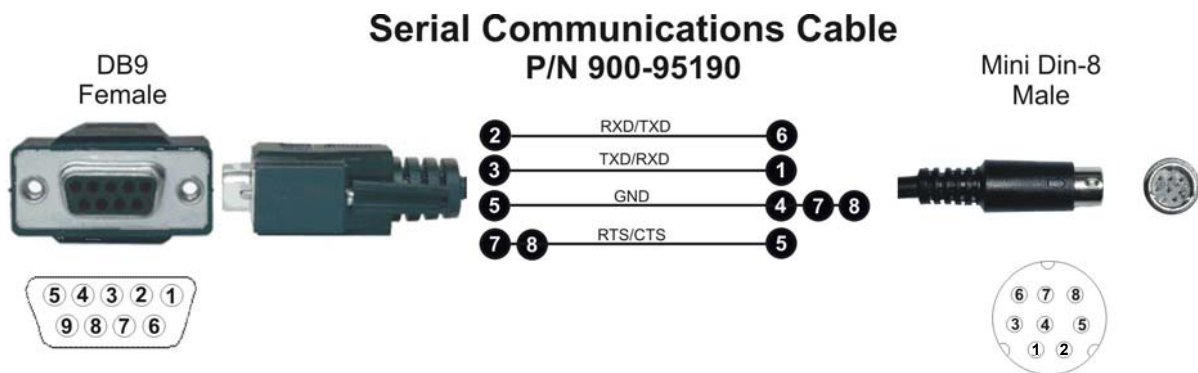


## DP9270/90

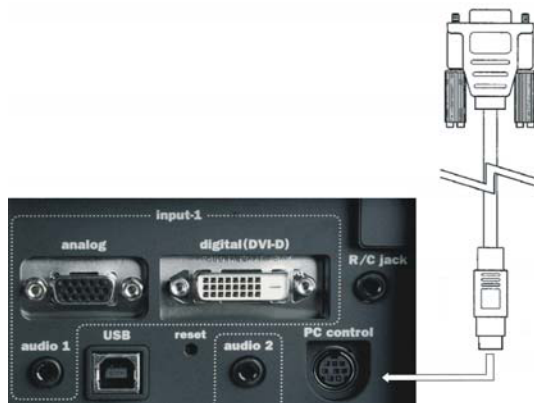
### Serial Communications

The Proxima DP9270/90 RS-232 serial communications protocol allows control of the projector by an external control system, such as AMX or Crestron.

Use Proxima serial communications cable part No. 900-95190 (supplied) or use the wiring diagram below to assemble custom length cable.



*Note: To ensure proper operation, connect only properly wired RS-232 serial communications cables to the projector's control port.*



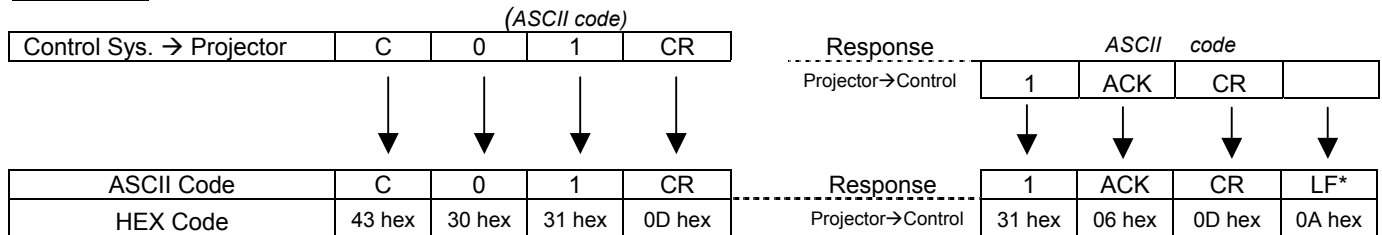
*Note: The projector keypad, IR remote and RS-232 external control will function simultaneously.*

Communications Port Settings				
Baud Rate	Data Bits	Stop Bits	Parity	Flow Control
19200	8	1	None	None

## PROXIMA DP9270/90 CONTROL COMMANDS

Control commands are used to adjust various projector characteristics or to emulate key presses from the built-in keypad or IR remote control

### FORMAT



**Notes:** The Proxima DP9270/90 does NOT require Line Feed "0A" in the command syntax  
 Delay Recommendations: 10ms between characters; 100ms between commands  
 Responses to Control Commands: **06h 0Dh (ACK CR)** = Command accepted and executed  
**3Fh 0Dh (? CR)** = Command not recognized

### EXAMPLES

"POWER ON"	ASCII	C	0	0	CR
	HEX	43 hex	30 hex	30 hex	0D hex

"NORMAL"	ASCII	C	1	F	CR
	HEX	43 hex	31 hex	46 hex	0D hex

- Projector response may contain "Line Feed"

*Note: "Display" should be set to OFF in Setting Menu to prevent OSD message displays*

## PROXIMA DP9270/90 COMMAND CODES

COMMAND		FUNCTION	NOTE
ASCII	HEX		
C00	43h 30h 30h	POWER ON	
C01	43h 30h 31h	POWER OFF	
C02	43h 30h 32h	POWER OFF	"Power Off?" will appear on screen
C05	43h 30h 35h	INPUT 1 ANALOG MODE	
C06	43h 30h 36h	INPUT 2 RGB MODE	
C07	43h 30h 37h	INPUT 2 VIDEO MODE	Composite video
C08	43h 30h 38h	INPUT 3 VIDEO MODE	Composite video
C09	43h 30h 39h	VOLUME +	Increments projector Volume by one
C0A	43h 30h 41h	VOLUME -	Decrements projector Volume by one
C0B	43h 30h 42h	AUDIO MUTE ON	
C0C	43h 30h 43h	AUDIO MUTE OFF	
C0D	43h 30h 44h	NO SHOW ON	Video Mute ON
C0E	43h 30h 45h	NO SHOW OFF	Video Mute OFF
C0F	43h 30h 46h	VIDEO REGULAR SIZE	Sets display to 4:3 aspect ratio
C10	43h 31h 30h	VIDEO WIDE SIZE	Sets display to Anamorphic aspect ratio

C1C	43h 31h 43h	MENU ON	Displays main Menu on the screen
C1D	43h 31h 44h	MENU OFF	Removes main Menu from the screen
C1E	43h 31h 45h	CLEAR DISPLAY	Clears On Screen Display
C22	43h 32h 32h	INPUT 1 DIGITAL MODE	
C24	43h 32h 34h	INPUT 3 S-VIDEO MODE	
C25	43h 32h 35h	INPUT 2 Y,PB/CB,PR/CR	Component Video
C26	43h 32h 36h	INPUT 3 Y,PB/CB,PR/CR	Component Video
C27	43h 32h 37h	IMAGE	
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	
C3E	43h 33h 45h	REAR PROJ. MODE	Sets projector to Rear Projection mode
C3F	43h 33h 46h	SELECT KEY	
C43	43h 34h 33h	FREEZE ON	
C44	43h 34h 34h	FREEZE OFF	
C46	43h 34h 36h	ZOOM DOWN	
C47	43h 34h 37h	ZOOM UP	
C4A	43h 34h 41h	FOCUS DOWN	
C4B	43h 34h 42h	FOCUS UP	
C5D	43h 35h 44h	LENS SHIFT UP	
C5E	43h 35h 45h	LENS SHIFT DOWN	
C80	43h 38h 30h	ZOOM	
C87	43h 38h 37h	FOCUS	
C88	43h 38h 38h	LENS SHIFT	
C89	43h 38h 39h	AUTO PC ADJUST	Auto-adjust Total Dots, Fine Sync and Position
C8A	43h 38h 41h	PRESENTATION TIMER	
C8E	43h 38h 45h	KEYSTONE +	
C8F	43h 38h 46h	KEYSTONE -	

## PROXIMA DP9270/90 STATUS REQUEST COMMANDS

Status request commands are used to poll the projector to obtain setting and status information.

COMMAND		PROJECTOR STATUS READ
ASCII	HEX	
CR0	43h 52h 30h	
RESPONSE		
00	30h 30h	DETAILS
		Projector lamp is ON

80	38h 30h	Projector is in Standby mode
40	34h 30h	Projector lamp just powered ON (going through 30 sec. Countdown)
20	32h 30h	Projector lamp just powered OFF and is cool down cycle
88	38h 38h	Projector operating normally after temperature warning occurred
24	32h 34h	Cool down cycle after Power Management shutdown
10	31h 30h	Power failure
28	32h 38h	Projector in Cool Down cycle after power failure
08	30h 38h	Temperature Warning and power is ON
02	30h 32h	No key input
04	30h 34h	Lamps OFF in Power Management mode

COMMAND		ACTIVE INPUT READ
ASCII	HEX	
CR1	43h 52h 31h	
RESPONSE		DETAILS
0	30h	Input 1 currently selected and being displayed
1	31h	Input 2 currently selected and being displayed
2	32h	Input 3 currently selected and being displayed

COMMAND		LAMP TIMER READ
ASCII	HEX	
CR3	43h 52h 33h	
RESPONSE		DETAILS
xxxx		Four digit number representing total number of accumulated lamp hours

COMMAND		ORIENTATION READ
ASCII	HEX	
CR4	43h 52h 34h	
RESPONSE		DETAILS
11	31h 31h	Front Screen, Floor Mount
00	30h 30h	Front Screen, Ceiling Mount
01	30h 31h	Rear Screen, Floor Mount
10	31h 30h	Rear Screen, Ceiling Mount

COMMAND		TEMPERATURE READ
ASCII	HEX	
CR6	43h 52h 36h	
RESPONSE		DETAILS
xx.x xx.x xx.x		Thermal sensor near LCD panel [space][space] Thermal sensor near lamp [space][space] Internal temperature. Units are in Celsius. Intended for service purposes only.