

P12 Projectors RS232 Codes



UART Connection settings

Baud Rate : 19200
 Data Bits : 8
 Parity : None
 Stop Bits : 1

Control command syntax

[Header][Msg ID][Command][Space][Value]
 Note : There is a <CR> after all ASCII commands,
 0x0D is <CR> in ASCII code

Projector Return

Pass : P
 Fail : F

PC side with D-sub 9pin female) (Projector side with D-sub 9pin female)

RX 2 | 2 RX
 TX 3 | 3 TX
 GND 5 | 5 GND

Control command example : Power On

#0000 1 (ASCII Code)
 23 30 30 30 30 20 31 0D (Hex Code)

Command Type	Command Description	ASCII	Hex	ASCII Code					Read / Write	Projector Return
				Header	Msg ID	Command	Space	Value		
IR / Keypad	Power ON	#0000 0(CR)	23 30 30 30 30 20 30 0D	#	00	00		0 ~ 1	Write	
IR / Keypad	Power OFF	#0000 1(CR)	23 30 30 30 30 20 31 0D							
IR / Keypad	Emulate Remote - UP	#0001 1(CR)	23 30 30 30 31 20 31 0D	#	00	01		1 ~ 10	Write	
IR / Keypad	Emulate Remote - LEFT	#0001 2(CR)	23 30 30 30 31 20 32 0D							
IR / Keypad	Emulate Remote - RIGHT	#0001 3(CR)	23 30 30 30 31 20 33 0D							
IR / Keypad	Emulate Remote - DOWN	#0001 4(CR)	23 30 30 30 31 20 34 0D							
IR / Keypad	Emulate Remote - MENU	#0001 5(CR)	23 30 30 30 31 20 35 0D							
IR / Keypad	Emulate Remote - SOURCE	#0001 6(CR)	23 30 30 30 31 20 36 0D							
IR / Keypad	Emulate Remote - KEYSTONE+	#0001 7(CR)	23 30 30 30 31 20 37 0D							
IR / Keypad	Emulate Remote - KEYSTONE -	#0001 8(CR)	23 30 30 30 31 20 38 0D							
IR / Keypad	Emulate Remote - VOLUME+	#0001 9(CR)	23 30 30 30 31 20 39 0D							
IR / Keypad	Emulate Remote - VOLUME-	#0001 10(CR)	23 30 30 30 31 20 31 30 0D							
IR / Keypad	Resync	#0002 1(CR)	23 30 30 30 32 20 31 0D	#	00	02		1	Write	
IR / Keypad	AV Mute (Blank) - OFF	#0003 0(CR)	32 30 30 30 33 20 30 0D	#	00	03		0 ~ 1	Write	
IR / Keypad	AV Mute (Blank) - ON	#0003 1(CR)	23 30 30 30 33 20 31 0D							
IR / Keypad	Freeze - OFF	#0004 0(CR)	23 30 30 30 34 20 30 0D	#	00	04		0 ~ 1	Write	
IR / Keypad	freeze - ON	#0004 1(CR)	23 30 30 30 34 20 31 0D							
IR / Keypad	Input Source - VGA 1	#0005 1(CR)	23 30 30 30 35 20 31 0D	#	00	05		1 ~ 6	Write	
IR / Keypad	Input Source - VGA 2	#0005 2(CR)	23 30 30 30 35 20 32 0D							
IR / Keypad	Input Source - HDMI 1	#0005 3(CR)	23 30 30 30 35 20 33 0D							
IR / Keypad	Input Source - HDMI 2	#0005 4(CR)	23 30 30 30 35 20 34 0D							
IR / Keypad	Input Source - VIDEO	#0005 5(CR)	23 30 30 30 35 20 35 0D							
IR / Keypad	Input Source - MULTIMEDIA	#0005 6(CR)	23 30 30 30 35 20 36 0D							
Picture	Color Mode - BRIGHT	#0010 1(CR)	23 30 30 31 30 20 31 0D	#	00	10		1 ~ 5	Write	
Picture	Color Mode - PC	#0010 2(CR)	23 30 30 31 30 20 32 0D							

Picture	Color Mode - MOVIE	#0010 3(CR)	23 30 30 31 30 20 33 OD							
Picture	Color Mode - GAME	#0010 4(CR)	23 30 30 31 30 20 34 OD							
Picture	Color Mode - USER	#0010 5(CR)	23 30 30 31 30 20 34 OD							
Picture	Brightness	#0011 <0-100>(CR)	23 30 30 31 31 20 <variable> OD	#	00	11		0 ~ 100	Write	
Picture	Contrast	#0012 <0-100>(CR)	23 30 30 31 32 20 <variable> OD	#	00	12		0 ~ 100	Write	
Picture	Sharpness	#0013 <0-100>(CR)	23 30 30 31 33 20 <variable> OD	#	00	13		0 ~ 31	Write	
Screen	Aspect Ratio - Auto	#0020 1(CR)	23 30 3032 30 20 31 OD	#	00	20		1 ~ 4	Write	
Screen	Aspect Ratio - 4:3	#0020 2(CR)	23 30 30 32 30 20 32 OD							
Screen	Aspect Ratio - 16:9	#0020 3(CR)	23 30 30 32 30 20 33 OD							
Screen	Aspect Ratio - 16:10 Ultra Wide	#0020 4(CR)	23 30 30 32 30 20 34 OD							
Screen	Zoom - ZOOM -	#0021 0(CR)	23 30 30 32 31 20 30 OD	#	00	21		0 ~ 1	Write	
Screen	Zoom - ZOOM +	#0021 1(CR)	23 30 30 32 31 20 31 OD							
Screen	Keystone	#0022 <-40 -40>(CR)	23 30 30 32 32 20 <variable> OD	#	00	22		-40 ~ 40	Write	
Screen	Projection Mode - FRONT	#0023 1(CR)	23 30 30 32 33 20 31 OD	#	00	23		1 ~ 4	Write	
Screen	Projection Mode - REAR	#0023 2(CR)	23 30 30 32 33 20 32 OD							
Screen	Projection Mode - FRONT CEILING	#0023 3(CR)	23 30 30 32 33 20 33 OD							
Screen	Projection Mode - REAR CEILING	#0023 4(CR)	23 30 30 32 33 20 34 OD							
Setting	Language - ENGLISH	#0030 1(CR)	23 30 30 33 30 20 31 OD	#	00	30		1 ~ 18	Write	
Setting	Language - GERMAN	#0030 2(CR)	23 30 30 33 30 20 32 OD							
Setting	Language - SWEDISH	#0030 3(CR)	23 30 30 33 30 20 33 OD							
Setting	Language - FRENCH	#0030 4(CR)	23 30 30 33 30 20 34 OD							
Setting	Language - ARABIC	#0030 5(CR)	23 30 30 33 30 20 35 OD							
Setting	Language - DUTCH	#0030 6(CR)	23 30 30 33 30 20 36 OD							
Setting	Language - NORWEGIAN	#0030 7(CR)	23 30 30 33 30 20 37 OD							
Setting	Language - DANISH	#0030 8(CR)	23 30 30 33 30 20 38 OD							
Setting	Language - SIMPLIFIED CHINESE	#0030 9(CR)	23 30 30 33 30 20 39 OD							
Setting	Language - POLISH	#0030 10(CR)	23 30 30 33 30 20 31 30 OD							
Setting	Language - KOREAN	#0030 11(CR)	23 30 30 33 30 20 31 31 OD							
Setting	Language - RUSSIAN	#0030 12(CR)	23 30 30 33 30 20 31 32 OD							
Setting	Language - SPANISH	#0030 13(CR)	23 30 30 33 30 20 31 33 OD							
Setting	Language - TRADITIONAL CHINESE	#0030 14(CR)	23 30 30 33 30 20 31 34 OD							
Setting	Language - ITALIAN	#0030 15(CR)	23 30 30 33 30 20 31 35 OD							
Setting	Language - PORTUGUESE	#0030 16(CR)	23 30 30 33 30 20 31 36 OD							
Setting	Language - TURKISH	#0030 17(CR)	23 30 30 33 30 20 31 37 OD							

