

RS232C Communication Format compact 326,328,330,332,334,694 projectors

1. Communication Protocol

Standard Baud rate: 9600 bps
 Data length: 8 bits
 Parity: None
 Stop bit: 1 bit
 Flow Control: None

2. RS232 Cable Define

(PC side) (Projector side)
 RX 2 ← 2 TX
 TX 3 → 3 RX
 GND 5 — 5 GND

3. Command Format (use only TYPE1)

TYPE1 CODE:

Example: Power ON command is sent to the projector with a CR, the projector returns a "15" or "68D" code

Command (ASCII)

PC				C	0	0	CR												
Projector								Processing Command		1	5								

TYPE2 CODE:

Command (ASCII)

PC				P	W	R	O	N											
Projector									Processing Command	6	8		D						

4. Command List

TYPE1 Command (HEX+CR)	TYPE2 Command	Function	Remarks
C00(43 30 30 0D)	PWRON	POWER ON	
C01(43 30 31 0D)	PWROFF	POWER OFF	
C02(43 30 32 0D)	INRGB1	COMPUTER1	Select Source
C04(43 30 34 0D)	INRGB2	COMPUTER2	
C03(43 30 33 0D)	INYPBPR	YPBPR	
C05(43 30 35 0D)	INDVI	DVI	
C06(43 30 36 0D)	INVIDEO	VIDEO	
C07(43 30 37 0D)	INSVIDEO	S-VIDEO	
C08(43 30 38 0D)	INYBCR	COMPONENT	
C09(43 30 39 0D)	FUVOL+	VOLUME +	
C0A(43 30 40 0D)	FUVOL-	VOLUME -	
C1D(43 31 44 0D)	FUMENU	MENU	
C30(43 33 30 0D)	FUUP	UP	Cursor
C31(43 33 31 0D)	FUDOWN	DOWN	
C32(43 33 32 0D)	FULEFT	LEFT	
C33(43 33 33 0D)	FURIGHT	RIGHT	
C34(43 33 34 0D)	FUMUTE	MUTE	
C43(43 34 33 0D)		FREEZE	
C80(43 38 30 0D)		ZOOM+	
C81(43 38 31 0D)		ZOOM-	
C90(43 39 33 0D)	FUESC	ESC	
C91(43 39 31 0D)		SOURCE	
C92(43 39 32 0D)	FUAUTO	AUTO	
C93(43 39 33 0D)		CONTRAST+	
C94(43 39 34 0D)		CONTRAST-	
C95(43 39 35 0D)		BRIGHTNESS+	
C96(43 39 36 0D)		BRIGHTNESS-	
C97(43 39 37 0D)	FUBLANK	BLANK	
C98(43 39 38 0D)		KEYSTONE+	
C99(43 39 39 0D)		KEYSTONE-	
			STATUS feedback
CR0(43 52 30 0D)		POWER-STATUS	"000" - projector is on "800" - projector is standby "200" - projector is cooling down

			"500" - projector is warm up
CR1(43 52 31 0D)		SOURCE-STATUS	"001" - COMPUTER1 "002" - DVI "003" - COMPUTER2 "010" - VIDEO "020" - S-VIDEO "040" - COMPONENT "004" - YPbPr
CR2(43 53 32 0D)		TIMER-STATUS	"xxxHrs xxxMins"- Lamp time hours
	TRL	TIMER-STATUS	"HHHH" - Lamp time hours

Different kinds of color are used to mark out the part that we had modified in our new software.

Words in blue: Old communication code has been on EX31 and Ex27 serial.

Words in red: New communication code is used in EX17 and U serials.

Note: In Remote_control Ver: 5.0, we add an option for user to select which code will be used. The previous vision only send blue codes, and the later version after Ver5.0 will only send the Red sets.