

Projector

CP-X2010/CP-X2510/CP-X3010

User's Manual (detailed)

Operating Guide – Technical

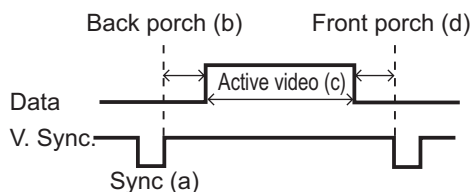
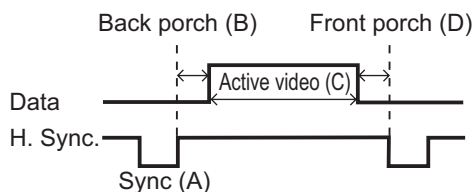
Example of PC signal

Resolution (H x V)	H. frequency (kHz)	V. frequency (Hz)	Rating	Signal mode
720 x 400	37.9	85.0	VESA	TEXT
640 x 480	31.5	59.9	VESA	VGA (60Hz)
640 x 480	37.9	72.8	VESA	VGA (72Hz)
640 x 480	37.5	75.0	VESA	VGA (75Hz)
640 x 480	43.3	85.0	VESA	VGA (85Hz)
800 x 600	35.2	56.3	VESA	SVGA (56Hz)
800 x 600	37.9	60.3	VESA	SVGA (60Hz)
800 x 600	48.1	72.2	VESA	SVGA (72Hz)
800 x 600	46.9	75.0	VESA	SVGA (75Hz)
800 x 600	53.7	85.1	VESA	SVGA (85Hz)
832 x 624	49.7	74.5		Mac 16" mode
1024 x 768	48.4	60.0	VESA	XGA (60Hz)
1024 x 768	56.5	70.1	VESA	XGA (70Hz)
1024 x 768	60.0	75.0	VESA	XGA (75Hz)
1024 x 768	68.7	85.0	VESA	XGA (85Hz)
1152 x 864	67.5	75.0	VESA	1152 x 864 (75Hz)
1280 x 768	47.7	60.0	VESA	W-XGA (60Hz)
1280 x 800	49.7	60.0	VESA	1280 x 800 (60Hz)
1280 x 960	60.0	60.0	VESA	1280 x 960 (60Hz)
1280 x 1024	64.0	60.0	VESA	SXGA (60Hz)
1280 x 1024	80.0	75.0	VESA	SXGA (75Hz)
1280 x 1024	91.1	85.0	VESA	SXGA (85Hz)
1400 x 1050	65.2	60.0	VESA	SXGA+ (60Hz)
1600 x 1200	75.0	60.0	VESA	UXGA (60Hz)

- NOTE** • Be sure to check jack type, signal level, timing and resolution before connecting this projector to a PC.
- Some PCs may have multiple display screen modes. Use of some of these modes will not be possible with this projector.
 - Depending on the input signal, full-size display may not be possible in some cases. Refer to the number of display pixels above.
 - Although the projector can display signals with resolution up to UXGA (1600x1200), the signal will be converted to the projector's panel resolution before being displayed. The best display performance will be achieved if the resolutions of the input signal and projector panel are identical.
 - Automatic adjustment may not function correctly with some input signals.
 - The image may not be displayed correctly when the input sync signal is a composite sync or a sync on G.

Initial set signals

The following signals are used for the initial settings. The signal timing of some PC models may be different. In such case, adjust the items V POSITION and H POSITION in IMAGE menu.

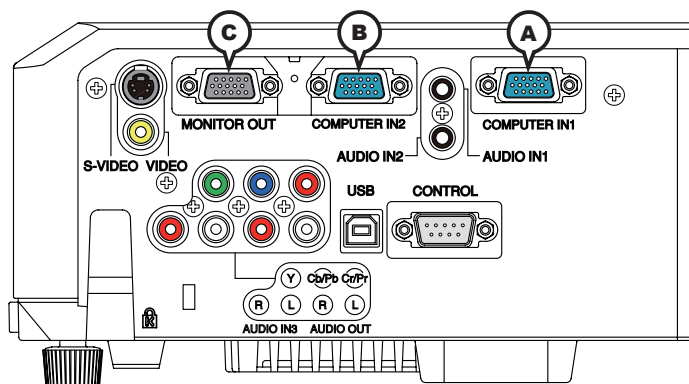


computer Signal	Horizontal signal timing (μs)			
	(A)	(B)	(C)	(D)
TEXT	2.0	3.0	20.3	1.0
VGA (60Hz)	3.8	1.9	25.4	0.6
VGA (72Hz)	1.3	4.1	20.3	0.8
VGA (75Hz)	2.0	3.8	20.3	0.5
VGA (85Hz)	1.6	2.2	17.8	1.6
SVGA (56Hz)	2.0	3.6	22.2	0.7
SVGA (60Hz)	3.2	2.2	20.0	1.0
SVGA (72Hz)	2.4	1.3	16.0	1.1
SVGA (75Hz)	1.6	3.2	16.2	0.3
SVGA (85Hz)	1.1	2.7	14.2	0.6
Mac 16" mode	1.1	3.9	14.5	0.6
XGA (60Hz)	2.1	2.5	15.8	0.4
XGA (70Hz)	1.8	1.9	13.7	0.3
XGA (75Hz)	1.2	2.2	13.0	0.2
XGA (85Hz)	1.0	2.2	10.8	0.5
1152 x 864 (75Hz)	1.2	2.4	10.7	0.6
W-XGA (60Hz)	1.7	2.5	16.0	0.8
1280 x 800 (60Hz)	1.6	2.4	15.3	0.8
1280 x 960 (60Hz)	1.0	2.9	11.9	0.9
SXGA (60Hz)	1.0	2.3	11.9	0.4
SXGA (75Hz)	1.1	1.8	9.5	0.1
SXGA (85Hz)	1.0	1.4	8.1	0.4
SXGA+ (60Hz)	1.2	2.0	11.4	0.7
UXGA (60Hz)	1.2	1.9	9.9	0.4

computer Signal	Vertical signal timing (lines)			
	(a)	(b)	(c)	(d)
TEXT	3	42	400	1
VGA (60Hz)	2	33	480	10
VGA (72Hz)	3	28	480	9
VGA (75Hz)	3	16	480	1
VGA (85Hz)	3	25	480	1
SVGA (56Hz)	2	22	600	1
SVGA (60Hz)	4	23	600	1
SVGA (72Hz)	6	23	600	37
SVGA (75Hz)	3	21	600	1
SVGA (85Hz)	3	27	600	1
Mac 16" mode	3	39	624	1
XGA (60Hz)	6	29	768	3
XGA (70Hz)	6	29	768	3
XGA (75Hz)	3	28	768	1
XGA (85Hz)	3	36	768	1
1152 x 864 (75Hz)	3	32	864	1
W-XGA (60Hz)	3	23	768	1
1280 x 800 (60Hz)	3	24	800	1
1280 x 960 (60Hz)	3	36	960	1
SXGA(60Hz)	3	38	1024	1
SXGA (75Hz)	3	38	1024	1
SXGA (85Hz)	3	44	1024	1
SXGA+ (60Hz)	3	33	1050	1
UXGA (60Hz)	3	46	1200	1

Connection to the ports

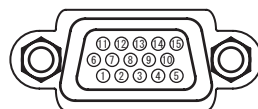
NOTICE ► Use the cables with straight plugs, not L-shaped ones, as the input ports of the projector are recessed.



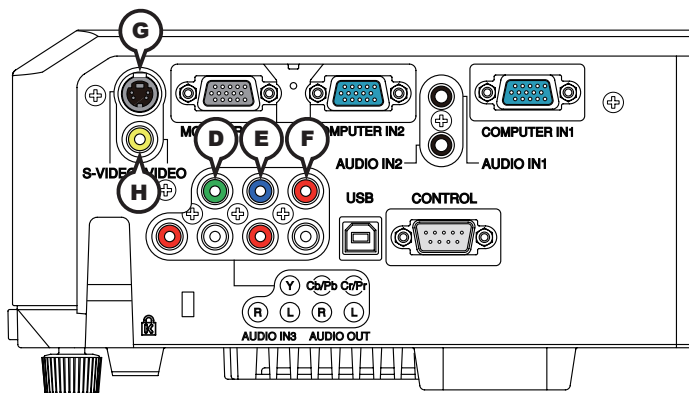
ⒶCOMPUTER IN1, ⒷCOMPUTER IN2, ⒸMONITOR OUT

D-sub 15pin mini shrink jack

- Video signal: RGB separate, Analog, 0.7Vp-p, 75Ω terminated (positive)
- H/V. sync. signal: TTL level (positive/negative)
- Composite sync. signal: TTL level



Pin	Signal	Pin	Signal
1	Video Red	9	(No connection)
2	Video Green	10	Ground
3	Video Blue	11	(No connection)
4	(No connection)	12	Ⓐ: SDA (DDC data) / Ⓑ, Ⓒ: (No connection)
5	Ground	13	H. sync / Composite sync.
6	Ground Red	14	V. sync.
7	Ground Green	15	Ⓐ: SCL (DDC clock) / Ⓑ, Ⓒ: (No connection)
8	Ground Blue		



COMPONENT ①Y, ②Cb/Pb ③Cr/Pr

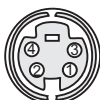
RCA jack x3

- System: 480i@60, 480p@60, 576i@50, 720p@50/60, 1080i@50/60

Port	Signal
Y	Component video Y, 1.0±0.1Vp-p, 75Ω terminator with composite sync
Cb/Pb	Component video Cb/Pb, 0.7±0.1Vp-p, 75Ω terminator
Cr/Pr	Component video Cr/Pr, 0.7±0.1Vp-p, 75Ω terminator

④S-VIDEO

Mini DIN 4pin jack

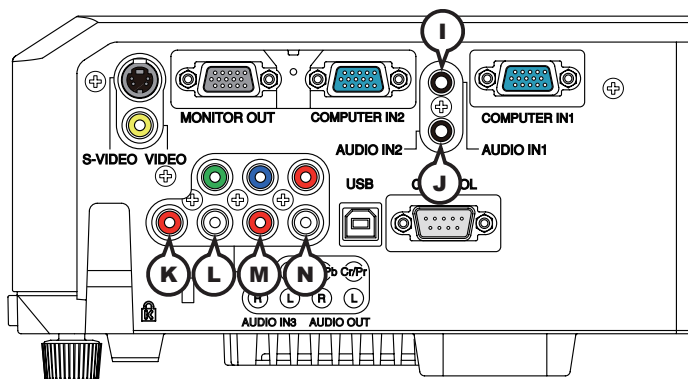


Pin	Signal
1	Color signal 0.286Vp-p (NTSC, burst), 75Ω terminator Color signal 0.300Vp-p (PAL/SECAM, burst) 75Ω terminator
2	Brightness signal, 1.0Vp-p, 75Ω terminator
3	Ground
4	Ground

⑤VIDEO

RCA jack

- System: NTSC, PAL, SECAM, PAL-M, PAL-N, NTSC4.43, PAL60
- 1.0±0.1Vp-p, 75Ω terminator



①AUDIO IN1, ②AUDIO IN2

Ø3.5 stereo mini jack

- 200 mVrms 47kΩ terminator

AUDIO IN3 (K), (L)

RCA jack x2

- 200 mVrms 47kΩ terminator

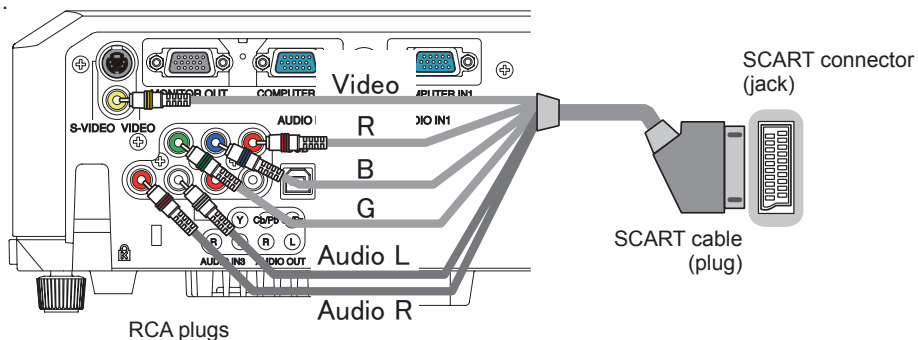
AUDIO OUT (M), (N)

RCA jack x2

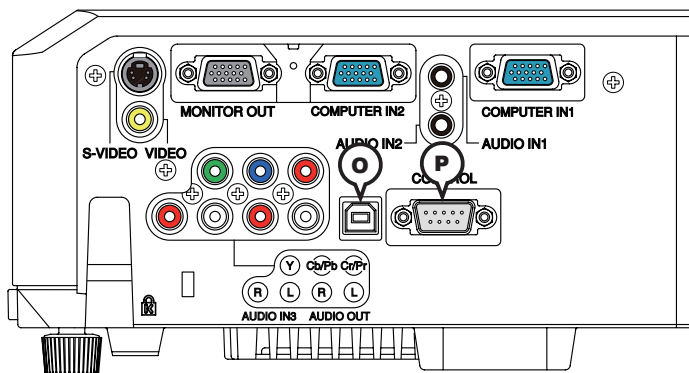
- 200 mVrms 1kΩ output impedance

To input SCART RGB signal;

ex.:



To input SCART RGB signal to the projector, use a SCART to RCA cable. Connect the plugs refer to above ex.. For more reference, please consult your dealer.



②USB

USB B type jack

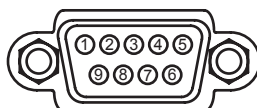
Pin	Signal
1	+5V
2	- Data
3	+ Data
4	Ground



③CONTROL

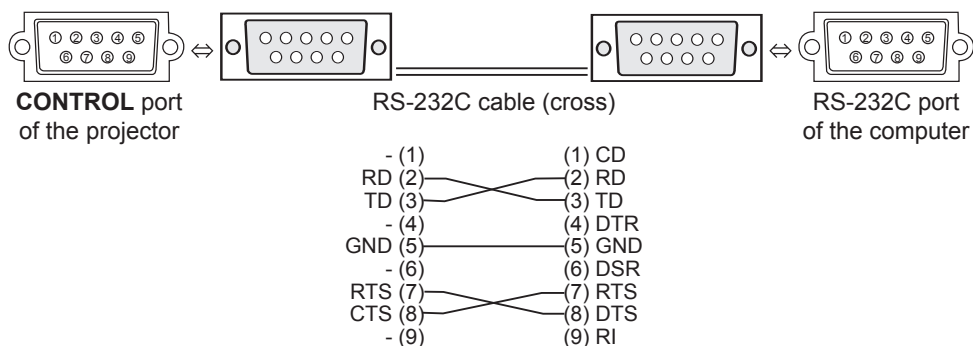
D-sub 9pin plug

• About the details of RS-232C communication, please refer to the following page.



Pin	Signal	Pin	Signal	Pin	Signal
1	(No connection)	4	(No connection)	7	RTS
2	RD	5	Ground	8	CTS
3	TD	6	(No connection)	9	(No connection)

RS-232C Communication



Connecting the cable

1. Turn off the projector and the computer.
2. Connect the **CONTROL** port of the projector with a RS-232C port of the computer by a RS-232C cable (cross). Use the cable that fulfills the specification shown in the previous page.
3. Turn the computer on, and after the computer has started up turn the projector on.

Communications setting

19200bps, 8N1

1. Protocol

Consist of header (7 bytes) + command data (6 bytes)

2. Header

BE + EF + 03 + 06 + 00 + CRC_low + CRC_high

CRC_low: Lower byte of CRC flag for command data

CRC_high: Upper byte of CRC flag for command data

3. Command data

Command data chart

byte_0	byte_1	byte_2	byte_3	byte_4	byte_5
Action		Type		Setting code	
low	high	low	high	low	high

Action (byte_0 - 1)

Action	Classification	Content
1	Set	Change setting to desired value.
2	Get	Read projector internal setup value.
4	Increment	Increment setup value by 1.
5	Decrement	Decrement setup value by 1.
6	Execute	Run a command.

Requesting projector status (Get command)

- (1) Send the following request code from the PC to the projector.

Header + Command data ('02H' + '00H' + type (2 bytes) + '00H' + '00H')

- (2) The projector returns the response code '1DH' + data (2 bytes) to the PC.

Changing the projector settings (Set command)

- (1) Send the following setting code from the PC to the projector.

Header + Command data ('01H' + '00H' + type (2 bytes) + setting code (2 bytes))

- (2) The projector changes the setting based on the above setting code.

- (3) The projector returns the response code '06H' to the PC.

Using the projector default settings (Reset Command)

- (1) The PC sends the following default setting code to the projector.

Header + Command data ('06H' + '00H' + type (2 bytes) + '00H' + '00H')

- (2) The projector changes the specified setting to the default value.

- (3) The projector returns the response code '06H' to the PC.

Increasing the projector setting value (Increment command)

- (1) The PC sends the following increment code to the projector.

Header + Command data ('04H' + '00H' + type (2 bytes) + '00H' + '00H')

- (2) The projector increases the setting value on the above setting code.

- (3) The projector returns the response code '06H' to the PC.

Decreasing the projector setting value (Decrement command)

- (1) The PC sends the following decrement code to the projector.

Header + Command data ('05H' + '00H' + type (2 bytes) + '00H' + '00H')

- (2) The projector decreases the setting value on the above setting code.

- (3) The projector returns the response code '06H' to the PC.

When the projector cannot understand the received command

When the projector cannot understand the received command, the error code '15H' is sent back to the PC.

Sometimes the projector cannot properly receive the command. In such a case, the command is not executed and the error code '15H' is sent back to the PC. If this error code is returned, send the same command again.

When the projector cannot execute the received command.

When the projector cannot execute the received command, the error code '1CH' + 'xxxxH' is sent back to the PC.

When the data length is greater than indicated by the data length code, the projector ignore the excess data code. Conversely when the data length is shorter than indicated by the data length code, an error code will be returned to the PC.

NOTE • Operation cannot be guaranteed when the projector receives an undefined command or data.

- Provide an interval of at least 40ms between the response code and any other code.
- The projector outputs test data when the power supply is switched ON, and when the lamp is lit. Ignore this data.
- Commands are not accepted during warm-up.

RS-232C Communication command table

Names	Operation Type		Header				Command Data			
							CRC	Action	Type	Setting Code
Power	Set	Turn off	BE EF	03	06 00	2A D3	01 00	00 60	00 00	
		Turn on	BE EF	03	06 00	BA D2	01 00	00 60	01 00	
	Get		BE EF	03	06 00	19 D3	02 00	00 60	00 00	
		[Example return] 00 00 01 00 02 00 [Off] [On] [Cool down]								
Input Source	Set	COMPUTER1	BE EF	03	06 00	FE D2	01 00	00 20	00 00	
		COMPUTER2	BE EF	03	06 00	3E D0	01 00	00 20	04 00	
		COMPONENT	BE EF	03	06 00	AE D1	01 00	00 20	05 00	
		S-VIDEO	BE EF	03	06 00	9E D3	01 00	00 20	02 00	
		VIDEO	BE EF	03	06 00	6E D3	01 00	00 20	01 00	
	Get		BE EF	03	06 00	CD D2	02 00	00 20	00 00	
Error Status	Get		BE EF	03	06 00	D9 D8	02 00	20 60	00 00	
		[Example return] 00 00 01 00 02 00 03 00 [Normal] [Cover error] [Fan error] [Lamp error] 04 00 05 00 07 00 08 00 [Temp error] [Air flow error] [Cold error] [Filter error]								
MAGNIFY	Get	BE EF	03	06 00	7C D2	02 00	07 30	00 00		
	Increment	BE EF	03	06 00	1A D2	04 00	07 30	00 00		
	Decrement	BE EF	03	06 00	CB D3	05 00	07 30	00 00		
FREEZE	Set	NORMAL	BE EF	03	06 00	83 D2	01 00	02 30	00 00	
		FREEZE	BE EF	03	06 00	13 D3	01 00	02 30	01 00	
	Get		BE EF	03	06 00	B0 D2	02 00	02 30	00 00	
PICTURE MODE	Set	NORMAL	BE EF	03	06 00	23 F6	01 00	BA 30	00 00	
		CINEMA	BE EF	03	06 00	B3 F7	01 00	BA 30	01 00	
		DYNAMIC	BE EF	03	06 00	E3 F4	01 00	BA 30	04 00	
		BOARD(BLACK)	BE EF	03	06 00	E3 EF	01 00	BA 30	20 00	
		BOARD(GREEN)	BE EF	03	06 00	73 EE	01 00	BA 30	21 00	
		WHITEBOARD	BE EF	03	06 00	83 EE	01 00	BA 30	22 00	
		DAYTIME	BE EF	03	06 00	E3 C7	01 00	BA 30	40 00	
	Get		BE EF	03	06 00	10 F6	02 00	BA 30	00 00	
		[Example return] 00 00 01 00 04 00 10 00 [Normal] [Cinema] [Dynamic] [Custom] 20 00 21 00 22 00 40 00 [BOARD(BLACK)] [BOARD(GREEN)] [WHITEBOARD] [DAY TIME]								
BRIGHTNESS	Get	BE EF	03	06 00	89 D2	02 00	03 20	00 00		
	Increment	BE EF	03	06 00	EF D2	04 00	03 20	00 00		
	Decrement	BE EF	03	06 00	3E D3	05 00	03 20	00 00		
BRIGHTNESS Reset	Execute	BE EF	03	06 00	58 D3	06 00	00 70	00 00		
CONTRAST	Get	BE EF	03	06 00	FD D3	02 00	04 20	00 00		
	Increment	BE EF	03	06 00	9B D3	04 00	04 20	00 00		
	Decrement	BE EF	03	06 00	4A D2	05 00	04 20	00 00		
CONTRAST Reset	Execute	BE EF	03	06 00	A4 D2	06 00	01 70	00 00		

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RS-232C Communication command table (continued)

Names	Operation Type		Header				Command Data		
							Action	Type	Setting Code
GAMMA	Set	1 DEFAULT	BE EF	03	06 00	07 E9	01 00	A1 30	20 00
		1 CUSTOM	BE EF	03	06 00	07 FD	01 00	A1 30	10 00
		2 DEFAULT	BE EF	03	06 00	97 E8	01 00	A1 30	21 00
		2 CUSTOM	BE EF	03	06 00	97 FC	01 00	A1 30	11 00
		3 DEFAULT	BE EF	03	06 00	67 E8	01 00	A1 30	22 00
		3 CUSTOM	BE EF	03	06 00	67 FC	01 00	A1 30	12 00
		4 DEFAULT	BE EF	03	06 00	F7 E9	01 00	A1 30	23 00
		4 CUSTOM	BE EF	03	06 00	F7 FD	01 00	A1 30	13 00
		5 DEFAULT	BE EF	03	06 00	C7 EB	01 00	A1 30	24 00
		5 CUSTOM	BE EF	03	06 00	C7 FF	01 00	A1 30	14 00
		6 DEFAULT	BE EF	03	06 00	57 EA	01 00	A1 30	25 00
		6 CUSTOM	BE EF	03	06 00	57 FE	01 00	A1 30	15 00
	Get		BE EF	03	06 00	F4 F0	02 00	A1 30	00 00
User Gamma Pattern	Set	Off	BE EF	03	06 00	FB FA	01 00	80 30	00 00
		9 steps gray scale	BE EF	03	06 00	6B FB	01 00	80 30	01 00
		15 steps gray scale	BE EF	03	06 00	9B FB	01 00	80 30	02 00
		Ramp	BE EF	03	06 00	0B FA	01 00	80 30	03 00
	Get		BE EF	03	06 00	C8 FA	02 00	80 30	00 00
User Gamma Point 1	Get		BE EF	03	06 00	08 FE	02 00	90 30	00 00
	Increment		BE EF	03	06 00	6E FE	04 00	90 30	00 00
	Decrement		BE EF	03	06 00	BF FF	05 00	90 30	00 00
User Gamma Point 1 Reset	Execute		BE EF	03	06 00	58 C2	06 00	50 70	00 00
User Gamma Point 2	Get		BE EF	03	06 00	F4 FF	02 00	91 30	00 00
	Increment		BE EF	03	06 00	92 FF	04 00	91 30	00 00
	Decrement		BE EF	03	06 00	43 FE	05 00	91 30	00 00
User Gamma Point 2 Reset	Execute		BE EF	03	06 00	A4 C3	06 00	51 70	00 00
User Gamma Point 3	Get		BE EF	03	06 00	B0 FF	02 00	92 30	00 00
	Increment		BE EF	03	06 00	D6 FF	04 00	92 30	00 00
	Decrement		BE EF	03	06 00	07 FE	05 00	92 30	00 00
User Gamma Point 3 Reset	Execute		BE EF	03	06 00	E0 C3	06 00	52 70	00 00
User Gamma Point 4	Get		BE EF	03	06 00	4C FE	02 00	93 30	00 00
	Increment		BE EF	03	06 00	2A FE	04 00	93 30	00 00
	Decrement		BE EF	03	06 00	FB FF	05 00	93 30	00 00
User Gamma Point 4 Reset	Execute		BE EF	03	06 00	1C C2	06 00	53 70	00 00
User Gamma Point 5	Get		BE EF	03	06 00	38 FF	02 00	94 30	00 00
	Increment		BE EF	03	06 00	5E FF	04 00	94 30	00 00
	Decrement		BE EF	03	06 00	8F FE	05 00	94 30	00 00
User Gamma Point 5 Reset	Execute		BE EF	03	06 00	68 C3	06 00	54 70	00 00
User Gamma Point 6	Get		BE EF	03	06 00	C4 FE	02 00	95 30	00 00
	Increment		BE EF	03	06 00	A2 FE	04 00	95 30	00 00
	Decrement		BE EF	03	06 00	73 FF	05 00	95 30	00 00
User Gamma Point 6 Reset	Execute		BE EF	03	06 00	94 C2	06 00	55 70	00 00
User Gamma Point 7	Get		BE EF	03	06 00	80 FE	02 00	96 30	00 00
	Increment		BE EF	03	06 00	E6 FE	04 00	96 30	00 00
	Decrement		BE EF	03	06 00	37 FF	05 00	96 30	00 00
User Gamma Point 7 Reset	Execute		BE EF	03	06 00	D0 C2	06 00	56 70	00 00

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RS-232C Communication command table (continued)

Names	Operation Type	Header				Command Data			
						CRC	Action	Type	Setting Code
User Gamma Point 8	Get	BE EF	03	06 00	7C FF	02 00	97 30	00 00	
	Increment	BE EF	03	06 00	1A FF	04 00	97 30	00 00	
	Decrement	BE EF	03	06 00	CB FE	05 00	97 30	00 00	
User Gamma Point 8 Reset	Execute	BE EF	03	06 00	2C C3	06 00	57 70	00 00	
COLOR TEMP	Set	1 HIGH	BE EF	03	06 00	0B F5	01 00	B0 30	03 00
		1 CUSTOM	BE EF	03	06 00	CB F8	01 00	B0 30	13 00
		2 MID	BE EF	03	06 00	9B F4	01 00	B0 30	02 00
		2 CUSTOM	BE EF	03	06 00	5B F9	01 00	B0 30	12 00
		3 LOW	BE EF	03	06 00	6B F4	01 00	B0 30	01 00
		3 CUSTOM	BE EF	03	06 00	AB F9	01 00	B0 30	11 00
		4 HI-BRIGHT-1	BE EF	03	06 00	3B F2	01 00	B0 30	08 00
		4 CUSTOM	BE EF	03	06 00	FB FF	01 00	B0 30	18 00
		5 HI-BRIGHT-2	BE EF	03	06 00	AB F3	01 00	B0 30	09 00
		5 CUSTOM	BE EF	03	06 00	6B FE	01 00	B0 30	19 00
		6 HI-BRIGHT-3	BE EF	03	06 00	5B F3	01 00	B0 30	0A 00
		6 CUSTOM	BE EF	03	06 00	9B FE	01 00	B0 30	1A 00
COLOR TEMP GAIN R	Get	BE EF	03	06 00	C8 F5	02 00	B0 30	00 00	
	Increment	BE EF	03	06 00	34 F4	02 00	B1 30	00 00	
	Decrement	BE EF	03	06 00	83 F5	05 00	B1 30	00 00	
COLOR TEMP GAIN R Reset	Execute	BE EF	03	06 00	10 C6	06 00	46 70	00 00	
COLOR TEMP GAIN G	Get	BE EF	03	06 00	70 F4	02 00	B2 30	00 00	
	Increment	BE EF	03	06 00	16 F4	04 00	B2 30	00 00	
	Decrement	BE EF	03	06 00	C7 F5	05 00	B2 30	00 00	
COLOR TEMP GAIN G Reset	Execute	BE EF	03	06 00	EC C7	06 00	47 70	00 00	
COLOR TEMP GAIN B	Get	BE EF	03	06 00	8C F5	02 00	B3 30	00 00	
	Increment	BE EF	03	06 00	EA F5	04 00	B3 30	00 00	
	Decrement	BE EF	03	06 00	3B F4	05 00	B3 30	00 00	
COLOR TEMP GAIN B Reset	Execute	BE EF	03	06 00	F8 C4	06 00	48 70	00 00	
COLOR TEMP OFFSET R	Get	BE EF	03	06 00	04 F5	02 00	B5 30	00 00	
	Increment	BE EF	03	06 00	62 F5	04 00	B5 30	00 00	
	Decrement	BE EF	03	06 00	B3 F4	05 00	B5 30	00 00	
COLOR TEMP OFFSET R Reset	Execute	BE EF	03	06 00	40 C5	06 00	4A 70	00 00	
COLOR TEMP OFFSET G	Get	BE EF	03	06 00	40 F5	02 00	B6 30	00 00	
	Increment	BE EF	03	06 00	26 F5	04 00	B6 30	00 00	
	Decrement	BE EF	03	06 00	F7 F4	05 00	B6 30	00 00	
COLOR TEMP OFFSET G Reset	Execute	BE EF	03	06 00	BC C4	06 00	4B 70	00 00	
COLOR TEMP OFFSET B	Get	BE EF	03	06 00	BC F4	02 00	B7 30	00 00	
	Increment	BE EF	03	06 00	DA F4	04 00	B7 30	00 00	
	Decrement	BE EF	03	06 00	0B F5	05 00	B7 30	00 00	
COLOR TEMP OFFSET B Reset	Execute	BE EF	03	06 00	C8 C5	06 00	4C 70	00 00	

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RS-232C Communication command table (continued)

Names	Operation Type	Header				Command Data		
					CRC	Action	Type	Setting Code
COLOR	Get	BE EF	03	06 00	B5 72	02 00	02 22	00 00
	Increment	BE EF	03	06 00	D3 72	04 00	02 22	00 00
	Decrement	BE EF	03	06 00	02 73	05 00	02 22	00 00
COLOR Reset	Execute	BE EF	03	06 00	80 D0	06 00	0A 70	00 00
TINT	Get	BE EF	03	06 00	49 73	02 00	03 22	00 00
	Increment	BE EF	03	06 00	2F 73	04 00	03 22	00 00
	Decrement	BE EF	03	06 00	FE 72	05 00	03 22	00 00
TINT Reset	Execute	BE EF	03	06 00	7C D1	06 00	0B 70	00 00
SHARPNESS	Get	BE EF	03	06 00	F1 72	02 00	01 22	00 00
	Increment	BE EF	03	06 00	97 72	04 00	01 22	00 00
	Decrement	BE EF	03	06 00	46 73	05 00	01 22	00 00
SHARPNESS Reset	Execute	BE EF	03	06 00	C4 D0	06 00	09 70	00 00
ACTIVE IRIS *	Set	OFF	BE EF	03	06 00	0B 22	01 00	04 33
		THEATER	BE EF	03	06 00	CB 2F	01 00	04 33
		PRESENTATION	BE EF	03	06 00	5B 2E	01 00	04 33
	Get	BE EF	03	06 00	38 22	02 00	04 33	00 00
MY MEMORY Load	Set	1	BE EF	03	06 00	0E D7	01 00	14 20
		2	BE EF	03	06 00	9E D6	01 00	14 20
		3	BE EF	03	06 00	6E D6	01 00	14 20
		4	BE EF	03	06 00	FE D7	01 00	14 20
MY MEMORY Save	Set	1	BE EF	03	06 00	F2 D6	01 00	15 20
		2	BE EF	03	06 00	62 D7	01 00	15 20
		3	BE EF	03	06 00	92 D7	01 00	15 20
		4	BE EF	03	06 00	02 D6	01 00	15 20
ASPECT	Set	4:3	BE EF	03	06 00	9E D0	01 00	08 20
		16:9	BE EF	03	06 00	0E D1	01 00	08 20
		14:9	BE EF	03	06 00	CE D6	01 00	08 20
		16:10	BE EF	03	06 00	3E D6	01 00	08 20
	Get	BE EF	03	06 00	5E DD	01 00	08 20	10 00
OVER SCAN	Get	BE EF	03	06 00	AD D0	02 00	08 20	00 00
	Increment	BE EF	03	06 00	91 70	02 00	09 22	00 00
	Decrement	BE EF	03	06 00	F7 70	04 00	09 22	00 00
OVER SCAN Reset	Execute	BE EF	03	06 00	26 71	05 00	09 22	00 00
V POSITION	Get	BE EF	03	06 00	EC D9	06 00	27 70	00 00
	Increment	BE EF	03	06 00	0D 83	02 00	00 21	00 00
	Decrement	BE EF	03	06 00	6B 83	04 00	00 21	00 00
V POSITION Reset	Execute	BE EF	03	06 00	BA 82	05 00	00 21	00 00
H POSITION	Get	BE EF	03	06 00	E0 D2	06 00	02 70	00 00
	Increment	BE EF	03	06 00	F1 82	02 00	01 21	00 00
	Decrement	BE EF	03	06 00	97 82	04 00	01 21	00 00
H POSITION Reset	Execute	BE EF	03	06 00	46 83	05 00	01 21	00 00
H PHASE	Get	BE EF	03	06 00	1C D3	06 00	03 70	00 00
	Increment	BE EF	03	06 00	49 83	02 00	03 21	00 00
	Decrement	BE EF	03	06 00	2F 83	04 00	03 21	00 00
	Decrement	BE EF	03	06 00	FE 82	05 00	03 21	00 00

* ACTIVE IRIS is available only for CP-X2510 and CP-X3010.

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RS-232C Communication command table (continued)

Names	Operation Type	Header				Command Data		
				CRC		Action	Type	Setting Code
H SIZE	Get	BE EF	03	06 00	B5 82	02 00	02 21	00 00
	Increment	BE EF	03	06 00	D3 82	04 00	02 21	00 00
	Decrement	BE EF	03	06 00	02 83	05 00	02 21	00 00
H SIZE Reset	Execute	BE EF	03	06 00	68 D2	06 00	04 70	00 00
AUTO ADJUST EXECUTE	Execute	BE EF	03	06 00	91 D0	06 00	0A 20	00 00
PROGRESSIVE	Set	OFF	BE EF	03	06 00	4A 72	01 00	07 22
		TV	BE EF	03	06 00	DA 73	01 00	07 22
		FILM	BE EF	03	06 00	2A 73	01 00	07 22
	Get	BE EF	03	06 00	79 72	02 00	07 22	00 00
VIDEO NR	Set	LOW	BE EF	03	06 00	26 72	01 00	06 22
		MID	BE EF	03	06 00	D6 72	01 00	06 22
		HIGH	BE EF	03	06 00	46 73	01 00	06 22
	Get	BE EF	03	06 00	85 73	02 00	06 22	00 00
COLOR SPACE	Set	AUTO	BE EF	03	06 00	0E 72	01 00	04 22
		RGB	BE EF	03	06 00	9E 73	01 00	04 22
		SMPT240	BE EF	03	06 00	6E 73	01 00	04 22
		REC709	BE EF	03	06 00	FE 72	01 00	04 22
		REC601	BE EF	03	06 00	CE 70	01 00	04 22
	Get	BE EF	03	06 00	3D 72	02 00	04 22	00 00
COMPONENT	Set	COMPONENT	BE EF	03	06 00	4A D7	01 00	17 20
		SCART RGB	BE EF	03	06 00	DA D6	01 00	17 20
	Get	BE EF	03	06 00	79 D7	02 00	17 20	00 00
S-VIDEO FORMAT	Set	AUTO	BE EF	03	06 00	E6 70	01 00	12 22
		NTSC	BE EF	03	06 00	86 74	01 00	12 22
		PAL	BE EF	03	06 00	16 75	01 00	12 22
		SECAM	BE EF	03	06 00	16 70	01 00	12 22
		NTSC4.43	BE EF	03	06 00	26 77	01 00	12 22
		M-PAL	BE EF	03	06 00	86 71	01 00	12 22
		N-PAL	BE EF	03	06 00	76 74	01 00	12 22
	Get	BE EF	03	06 00	75 76	02 00	12 22	00 00
C-VIDEO FORMAT	Set	AUTO	BE EF	03	06 00	A2 70	01 00	11 22
		NTSC	BE EF	03	06 00	C2 74	01 00	11 22
		PAL	BE EF	03	06 00	52 75	01 00	11 22
		SECAM	BE EF	03	06 00	52 70	01 00	11 22
		NTSC4.43	BE EF	03	06 00	62 77	01 00	11 22
		M-PAL	BE EF	03	06 00	C2 71	01 00	11 22
	N-PAL	BE EF	03	06 00	32 74	01 00	11 22	07 00
COMPUTER IN1	Set	AUTO	BE EF	03	06 00	31 76	02 00	11 22
		SYNC ON G OFF	BE EF	03	06 00	5E D7	01 00	10 20
	Get	BE EF	03	06 00	0D D6	02 00	10 20	00 00
COMPUTER IN2	Set	AUTO	BE EF	03	06 00	32 D7	01 00	11 20
		SYNC ON G OFF	BE EF	03	06 00	A2 D6	01 00	11 20
	Get	BE EF	03	06 00	F1 D7	02 00	11 20	00 00

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RS-232C Communication command table (continued)

Names	Operation Type		Header				Command Data		
						CRC	Action	Type	Setting Code
FRAME LOCK – COMPUTER1	Set	OFF	BE EF	03	06 00	3B C2	01 00	50 30	00 00
		ON	BE EF	03	06 00	AB C3	01 00	50 30	01 00
	Get		BE EF	03	06 00	08 C2	02 00	50 30	00 00
FRAME LOCK – COMPUTER2	Set	OFF	BE EF	03	06 00	0B C3	01 00	54 30	00 00
		ON	BE EF	03	06 00	9B C2	01 00	54 30	01 00
	Get		BE EF	03	06 00	38 C3	02 00	54 30	00 00
AUTO KEYSTONE V EXECUTE	Execute		BE EF	03	06 00	E5 D1	06 00	0D 20	00 00
KEYSTONE V	Get		BE EF	03	06 00	B9 D3	02 00	07 20	00 00
	Increment		BE EF	03	06 00	DF D3	04 00	07 20	00 00
	Decrement		BE EF	03	06 00	0E D2	05 00	07 20	00 00
KEYSTONE V Reset	Execute		BE EF	03	06 00	08 D0	06 00	0C 70	00 00
ECO MODE	Set	NORMAL	BE EF	03	06 00	3B 23	01 00	00 33	00 00
		ECO	BE EF	03	06 00	AB 22	01 00	00 33	01 00
	Get		BE EF	03	06 00	08 23	02 00	00 33	00 00
MIRROR	Set	NORMAL	BE EF	03	06 00	C7 D2	01 00	01 30	00 00
		H:INVERT	BE EF	03	06 00	57 D3	01 00	01 30	01 00
		V:INVERT	BE EF	03	06 00	A7 D3	01 00	01 30	02 00
		H&V:INVERT	BE EF	03	06 00	37 D2	01 00	01 30	03 00
	Get		BE EF	03	06 00	F4 D2	02 00	01 30	00 00
STANDBY MODE	Set	NORMAL	BE EF	03	06 00	D6 D2	01 00	01 60	00 00
		SAVING	BE EF	03	06 00	46 D3	01 00	01 60	01 00
	Get		BE EF	03	06 00	E5 D2	02 00	01 60	00 00
MONITOR OUT - COMPUTER1	Set	COMPUTER1	BE EF	03	06 00	3E F4	01 00	B0 20	00 00
		OFF	BE EF	03	06 00	CE B5	01 00	B0 20	FF 00
	Get		BE EF	03	06 00	0D F4	02 00	B0 20	00 00
MONITOR OUT - COMPUTER2	Set	COMPUTER2	BE EF	03	06 00	CE F7	01 00	B4 20	04 00
		OFF	BE EF	03	06 00	FE B4	01 00	B4 20	FF 00
	Get		BE EF	03	06 00	3D F5	02 00	B4 20	00 00
MONITOR OUT - COMPONENT	Set	COMPUTER1	BE EF	03	06 00	F2 F4	01 00	B5 20	00 00
		COMPUTER2	BE EF	03	06 00	32 F6	01 00	B5 20	04 00
		OFF	BE EF	03	06 00	02 B5	01 00	B5 20	FF 00
	Get		BE EF	03	06 00	C1 F4	02 00	B5 20	00 00
MONITOR OUT - S-VIDEO	Set	COMPUTER1	BE EF	03	06 00	86 F5	01 00	B2 20	00 00
		COMPUTER2	BE EF	03	06 00	46 F7	01 00	B2 20	04 00
		OFF	BE EF	03	06 00	76 B4	01 00	B2 20	FF 00
	Get		BE EF	03	06 00	B5 F5	02 00	B2 20	00 00
MONITOR OUT - VIDEO	Set	COMPUTER1	BE EF	03	06 00	C2 F5	01 00	B1 20	00 00
		COMPUTER2	BE EF	03	06 00	02 F7	01 00	B1 20	04 00
		OFF	BE EF	03	06 00	32 B4	01 00	B1 20	FF 00
	Get		BE EF	03	06 00	F1 F5	02 00	B1 20	00 00
MONITOR OUT - STANDBY	Set	COMPUTER1	BE EF	03	06 00	2A F7	01 00	BF 20	00 00
		COMPUTER2	BE EF	03	06 00	EA F5	01 00	BF 20	04 00
		OFF	BE EF	03	06 00	DA B6	01 00	BF 20	FF 00
	Get		BE EF	03	06 00	19 F7	02 00	BF 20	00 00
VOLUME - COMPUTER1	Get		BE EF	03	06 00	CD CC	02 00	60 20	00 00
	Increment		BE EF	03	06 00	AB CC	04 00	60 20	00 00
	Decrement		BE EF	03	06 00	7A CD	05 00	60 20	00 00

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RS-232C Communication command table (continued)

Names	Operation Type		Header			Command Data			
						Action	Type	Setting Code	
VOLUME - COMPUTER2		Get	BE EF	03	06 00	FD CD	02 00	64 20	00 00
		Increment	BE EF	03	06 00	9B CD	04 00	64 20	00 00
		Decrement	BE EF	03	06 00	4A CC	05 00	64 20	00 00
VOLUME - COMPONENT		Get	BE EF	03	06 00	01 CC	02 00	65 20	00 00
		Increment	BE EF	03	06 00	67 CC	04 00	65 20	00 00
		Decrement	BE EF	03	06 00	B6 CD	05 00	65 20	00 00
VOLUME - S-VIDEO		Get	BE EF	03	06 00	75 CD	02 00	62 20	00 00
		Increment	BE EF	03	06 00	13 CD	04 00	62 20	00 00
		Decrement	BE EF	03	06 00	C2 CC	05 00	62 20	00 00
VOLUME - VIDEO		Get	BE EF	03	06 00	31 CD	02 00	61 20	00 00
		Increment	BE EF	03	06 00	57 CD	04 00	61 20	00 00
		Decrement	BE EF	03	06 00	86 CC	05 00	61 20	00 00
VOLUME - AUDIO OUT STANDBY		Get	BE EF	03	06 00	D9 CF	02 00	6F 20	00 00
		Increment	BE EF	03	06 00	BF CF	04 00	6F 20	00 00
		Decrement	BE EF	03	06 00	6E CE	05 00	6F 20	00 00
MUTE	Set	OFF	BE EF	03	06 00	46 D3	01 00	02 20	00 00
		ON	BE EF	03	06 00	D6 D2	01 00	02 20	01 00
		Get	BE EF	03	06 00	75 D3	02 00	02 20	00 00
SPEAKER	Set	ON	BE EF	03	06 00	FE D4	01 00	1C 20	01 00
		OFF	BE EF	03	06 00	6E D5	01 00	1C 20	00 00
		Get	BE EF	03	06 00	5D D5	02 00	1C 20	00 00
AUDIO SOURCE - COMPUTER1	Set	AUDIO IN1	BE EF	03	06 00	6E DC	01 00	30 20	01 00
		AUDIO IN2	BE EF	03	06 00	9E DC	01 00	30 20	02 00
		AUDIO IN3	BE EF	03	06 00	0E DD	01 00	30 20	03 00
		OFF	BE EF	03	06 00	FE DD	01 00	30 20	00 00
		Get	BE EF	03	06 00	CD DD	02 00	30 20	00 00
AUDIO SOURCE - COMPUTER2	Set	AUDIO IN1	BE EF	03	06 00	5E DD	01 00	34 20	01 00
		AUDIO IN2	BE EF	03	06 00	AE DD	01 00	34 20	02 00
		AUDIO IN3	BE EF	03	06 00	3E DC	01 00	34 20	03 00
		OFF	BE EF	03	06 00	CE DC	01 00	34 20	00 00
		Get	BE EF	03	06 00	FD DC	02 00	34 20	00 00
AUDIO SOURCE - COMPONENT	Set	AUDIO IN1	BE EF	03	06 00	A2 DC	01 00	35 20	01 00
		AUDIO IN2	BE EF	03	06 00	52 DC	01 00	35 20	02 00
		AUDIO IN3	BE EF	03	06 00	C2 DD	01 00	35 20	03 00
		OFF	BE EF	03	06 00	32 DD	01 00	35 20	00 00
		Get	BE EF	03	06 00	01 DD	02 00	35 20	00 00
AUDIO SOURCE - S-VIDEO	Set	AUDIO IN1	BE EF	03	06 00	D6 DD	01 00	32 20	01 00
		AUDIO IN2	BE EF	03	06 00	26 DD	01 00	32 20	02 00
		AUDIO IN3	BE EF	03	06 00	B6 DC	01 00	32 20	03 00
		OFF	BE EF	03	06 00	46 DC	01 00	32 20	00 00
		Get	BE EF	03	06 00	75 DC	02 00	32 20	00 00
AUDIO SOURCE - VIDEO	Set	AUDIO IN1	BE EF	03	06 00	92 DD	01 00	31 20	01 00
		AUDIO IN2	BE EF	03	06 00	62 DD	01 00	31 20	02 00
		AUDIO IN3	BE EF	03	06 00	F2 DC	01 00	31 20	03 00
		OFF	BE EF	03	06 00	02 DC	01 00	31 20	00 00
		Get	BE EF	03	06 00	31 DC	02 00	31 20	00 00

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RS-232C Communication command table (continued)

Names	Operation Type	Header					Command Data		
					CRC		Action	Type	Setting Code
AUDIO OUT STANDBY	Set	AUDIO IN1	BE EF	03	06 00	7A DF	01 00	3F 20	01 00
		AUDIO IN2	BE EF	03	06 00	8A DF	01 00	3F 20	02 00
		AUDIO IN3	BE EF	03	06 00	1A DE	01 00	3F 20	03 00
		OFF	BE EF	03	06 00	EA DE	01 00	3F 20	00 00
	Get		BE EF	03	06 00	D9 DE	02 00	3F 20	00 00
LANGUAGE *	Set	ENGLISH	BE EF	03	06 00	F7 D3	01 00	05 30	00 00
		FRANÇAIS	BE EF	03	06 00	67 D2	01 00	05 30	01 00
		DEUTSCH	BE EF	03	06 00	97 D2	01 00	05 30	02 00
		ESPAÑOL	BE EF	03	06 00	07 D3	01 00	05 30	03 00
		ITALIANO	BE EF	03	06 00	37 D1	01 00	05 30	04 00
		NORSK	BE EF	03	06 00	A7 D0	01 00	05 30	05 00
		NEDERLANDS	BE EF	03	06 00	57 D0	01 00	05 30	06 00
		PORTUGUÊS	BE EF	03	06 00	C7 D1	01 00	05 30	07 00
		日本語	BE EF	03	06 00	37 D4	01 00	05 30	08 00
		简体中文	BE EF	03	06 00	A7 D5	01 00	05 30	09 00
		繁體中文	BE EF	03	06 00	37 DE	01 00	05 30	10 00
		한글	BE EF	03	06 00	57 D5	01 00	05 30	0A 00
		SVENSKA	BE EF	03	06 00	C7 D4	01 00	05 30	0B 00
		РУССКИЙ	BE EF	03	06 00	F7 D6	01 00	05 30	0C 00
		SUOMI	BE EF	03	06 00	67 D7	01 00	05 30	0D 00
		POLSKI	BE EF	03	06 00	97 D7	01 00	05 30	0E 00
		TÜRKÇE	BE EF	03	06 00	07 D6	01 00	05 30	0F 00
		DANSK	BE EF	03	06 00	A7 DF	01 00	05 30	11 00
		ČESKY	BE EF	03	06 00	57 DF	01 00	05 30	12 00
		MAGYAR	BE EF	03	06 00	C7 DE	01 00	05 30	13 00
		ROMÂNĂ	BE EF	03	06 00	F7 DC	01 00	05 30	14 00
		SLOVENSKI	BE EF	03	06 00	67 DD	01 00	05 30	15 00
		HRVATSKI	BE EF	03	06 00	97 DD	01 00	05 30	16 00
		ΕΛΛΗΝΙΚΑ	BE EF	03	06 00	07 DC	01 00	05 30	17 00
		LIETUVIŲ	BE EF	03	06 00	F7 D9	01 00	05 30	18 00
		EESTI	BE EF	03	06 00	67 D8	01 00	05 30	19 00
		LATVIEŠU	BE EF	03	06 00	97 D8	01 00	05 30	1A 00
		ไทย	BE EF	03	06 00	07 D9	01 00	05 30	1B 00
		دەڤرەڤا ڤەڤەڤا	BE EF	03	06 00	37 DB	01 00	05 30	1C 00
		پکسرار	BE EF	03	06 00	A7 DA	01 00	05 30	1D 00
		PORTUGUÊS BRA	BE EF	03	06 00	57 DA	01 00	05 30	1E 00
	Get		BE EF	03	06 00	C4 D3	02 00	05 30	00 00
MENU POSITION H	Get		BE EF	03	06 00	04 D7	02 00	15 30	00 00
	Increment		BE EF	03	06 00	62 D7	04 00	15 30	00 00
	Decrement		BE EF	03	06 00	B3 D6	05 00	15 30	00 00
MENU POSITION H Reset	Execute		BE EF	03	06 00	DC C6	06 00	43 70	00 00
MENU POSITION V	Get		BE EF	03	06 00	40 D7	02 00	16 30	00 00
	Increment		BE EF	03	06 00	26 D7	04 00	16 30	00 00
	Decrement		BE EF	03	06 00	F7 D6	05 00	16 30	00 00
MENU POSITION V Reset	Execute		BE EF	03	06 00	A8 C7	06 00	44 70	00 00

* Not all of the languages in the table are supported.

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RS-232C Communication command table (continued)

Names	Operation Type		Header				Command Data		
						CRC	Action	Type	Setting Code
BLANK	Set	MyScreen	BE EF	03	06 00	FB CA	01 00	00 30	20 00
		ORIGINAL	BE EF	03	06 00	FB E2	01 00	00 30	40 00
		BLUE	BE EF	03	06 00	CB D3	01 00	00 30	03 00
		WHITE	BE EF	03	06 00	6B D0	01 00	00 30	05 00
		BLACK	BE EF	03	06 00	9B D0	01 00	00 30	06 00
BLANK On/Off	Set	Get	BE EF	03	06 00	08 D3	02 00	00 30	00 00
		OFF	BE EF	03	06 00	FB D8	01 00	20 30	00 00
	Set	ON	BE EF	03	06 00	6B D9	01 00	20 30	01 00
START UP	Set	Get	BE EF	03	06 00	C8 D8	02 00	20 30	00 00
		MyScreen	BE EF	03	06 00	CB CB	01 00	04 30	20 00
		ORIGINAL	BE EF	03	06 00	0B D2	01 00	04 30	00 00
		OFF	BE EF	03	06 00	9B D3	01 00	04 30	01 00
MyScreen Lock	Set	Get	BE EF	03	06 00	38 D2	02 00	04 30	00 00
		OFF	BE EF	03	06 00	3B EF	01 00	C0 30	00 00
	Set	ON	BE EF	03	06 00	AB EE	01 00	C0 30	01 00
MESSAGE	Set	Get	BE EF	03	06 00	08 EF	02 00	C0 30	00 00
		OFF	BE EF	03	06 00	8F D6	01 00	17 30	00 00
	Set	ON	BE EF	03	06 00	1F D7	01 00	17 30	01 00
TEMPLATE	Set	Get	BE EF	03	06 00	BC D6	02 00	17 30	00 00
		TEST PATTERN	BE EF	03	06 00	43 D9	01 00	22 30	00 00
		DOT-LINE1	BE EF	03	06 00	D3 D8	01 00	22 30	01 00
		DOT-LINE2	BE EF	03	06 00	23 D8	01 00	22 30	02 00
		DOT-LINE3	BE EF	03	06 00	B3 D9	01 00	22 30	03 00
TEMPLATE On/Off	Set	DOT-LINE4	BE EF	03	06 00	83 DB	01 00	22 30	04 00
		Get	BE EF	03	06 00	70 D9	02 00	22 30	00 00
	Set	OFF	BE EF	03	06 00	BF D8	01 00	23 30	00 00
C. C. - DISPLAY	Set	ON	BE EF	03	06 00	2F D9	01 00	23 30	01 00
		Get	BE EF	03	06 00	8C D8	02 00	23 30	00 00
		OFF	BE EF	03	06 00	FA 62	01 00	00 37	00 00
	Set	ON	BE EF	03	06 00	6A 63	01 00	00 37	01 00
C. C. - MODE	Set	AUTO	BE EF	03	06 00	9A 63	01 00	00 37	02 00
		Get	BE EF	03	06 00	C9 62	02 00	00 37	00 00
	Set	CAPTIONS	BE EF	03	06 00	06 63	01 00	01 37	00 00
C. C. - CHANNEL	Set	TEXT	BE EF	03	06 00	96 62	01 00	01 37	01 00
		Get	BE EF	03	06 00	35 63	02 00	01 37	00 00
		1	BE EF	03	06 00	D2 62	01 00	02 37	01 00
		2	BE EF	03	06 00	22 62	01 00	02 37	02 00
		3	BE EF	03	06 00	B2 63	01 00	02 37	03 00
AUTO SEARCH	Set	4	BE EF	03	06 00	82 61	01 00	02 37	04 00
		Get	BE EF	03	06 00	71 63	02 00	02 37	00 00
	Set	OFF	BE EF	03	06 00	B6 D6	01 00	16 20	00 00
AUTO KEYSTONE	Set	ON	BE EF	03	06 00	26 D7	01 00	16 20	01 00
		Get	BE EF	03	06 00	85 D6	02 00	16 20	00 00
	Set	OFF	BE EF	03	06 00	EA D1	01 00	0F 20	00 00
DIRECT ON	Set	ON	BE EF	03	06 00	7A D0	01 00	0F 20	01 00
		Get	BE EF	03	06 00	D9 D1	02 00	0F 20	00 00
	Set	OFF	BE EF	03	06 00	3B 89	01 00	20 31	00 00
	Set	ON	BE EF	03	06 00	AB 88	01 00	20 31	01 00
		Get	BE EF	03	06 00	08 89	02 00	20 31	00 00

(continued on next page)

RS-232C Communication command table (continued)

Names	Operation Type	Header				Command Data			
						CRC	Action	Type	Setting Code
AUTO OFF	Get	BE EF	03	06 00	08 86	02 00	10 31	00 00	
	Increment	BE EF	03	06 00	6E 86	04 00	10 31	00 00	
	Decrement	BE EF	03	06 00	BF 87	05 00	10 31	00 00	
LAMP TIME	Get	BE EF	03	06 00	C2 FF	02 00	90 10	00 00	
LAMP TIME Reset	Execute	BE EF	03	06 00	58 DC	06 00	30 70	00 00	
FILTER TIME	Get	BE EF	03	06 00	C2 F0	02 00	A0 10	00 00	
FILTER TIME Reset	Execute	BE EF	03	06 00	98 C6	06 00	40 70	00 00	
MY BUTTON-1	Set	COMPUTER IN1	BE EF	03	06 00	3A 33	01 00	00 36	00 00
		COMPUTER IN2	BE EF	03	06 00	FA 31	01 00	00 36	04 00
		COMPONENT	BE EF	03	06 00	6A 30	01 00	00 36	05 00
		S-VIDEO	BE EF	03	06 00	5A 32	01 00	00 36	02 00
		VIDEO	BE EF	03	06 00	AA 32	01 00	00 36	01 00
		INFORMATION	BE EF	03	06 00	FA 3E	01 00	00 36	10 00
		AUTO KEYSTONE V	BE EF	03	06 00	6A 3F	01 00	00 36	11 00
		MY MEMORY	BE EF	03	06 00	9A 3F	01 00	00 36	12 00
		ACTIVE IRIS *	BE EF	03	06 00	AA 3D	01 00	00 36	15 00
		PICTURE MODE	BE EF	03	06 00	0A 3E	01 00	00 36	13 00
		FILTER RESET	BE EF	03	06 00	3A 3C	01 00	00 36	14 00
		AV MUTE	BE EF	03	06 00	AA 38	01 00	00 36	19 00
		TEMPLATE	BE EF	03	06 00	CA 39	01 00	00 36	1B 00
		Get	BE EF	03	06 00	09 33	02 00	00 36	00 00
MY BUTTON-2	Set	COMPUTER IN1	BE EF	03	06 00	C6 32	01 00	01 36	00 00
		COMPUTER IN2	BE EF	03	06 00	06 30	01 00	01 36	04 00
		COMPONENT	BE EF	03	06 00	96 31	01 00	01 36	05 00
		S-VIDEO	BE EF	03	06 00	A6 33	01 00	01 36	02 00
		VIDEO	BE EF	03	06 00	56 33	01 00	01 36	01 00
		INFORMATION	BE EF	03	06 00	06 3F	01 00	01 36	10 00
		AUTO KEYSTONE V	BE EF	03	06 00	96 3E	01 00	01 36	11 00
		MY MEMORY	BE EF	03	06 00	66 3E	01 00	01 36	12 00
		ACTIVE IRIS *	BE EF	03	06 00	56 3C	01 00	01 36	15 00
		PICTURE MODE	BE EF	03	06 00	F6 3F	01 00	01 36	13 00
		FILTER RESET	BE EF	03	06 00	C6 3D	01 00	01 36	14 00
		AV MUTE	BE EF	03	06 00	56 39	01 00	01 36	19 00
		TEMPLATE	BE EF	03	06 00	36 38	01 00	01 36	1B 00
		Get	BE EF	03	06 00	F5 32	02 00	01 36	00 00
MY SOURCE	Set	COMPUTER1	BE EF	03	06 00	FA 38	01 00	20 36	00 00
		COMPUTER2	BE EF	03	06 00	3A 3A	01 00	20 36	04 00
		COMPONENT	BE EF	03	06 00	AA 3B	01 00	20 36	05 00
		S-VIDEO	BE EF	03	06 00	9A 39	01 00	20 36	02 00
		VIDEO	BE EF	03	06 00	6A 39	01 00	20 36	01 00
	Get	BE EF	03	06 00	C9 38	02 00	20 36	00 00	
REMOTE FREQ. NORMAL	Set	OFF	BE EF	03	06 00	FF 3D	01 00	30 26	00 00
		ON	BE EF	03	06 00	6F 3C	01 00	30 26	01 00
		Get	BE EF	03	06 00	CC 3D	02 00	30 26	00 00
REMOTE FREQ. HIGH	Set	OFF	BE EF	03	06 00	03 3C	01 00	31 26	00 00
		ON	BE EF	03	06 00	93 3D	01 00	31 26	01 00
		Get	BE EF	03	06 00	30 3C	02 00	31 26	00 00

* ACTIVE IRIS is available only for CP-X2510 and CP-X3010.