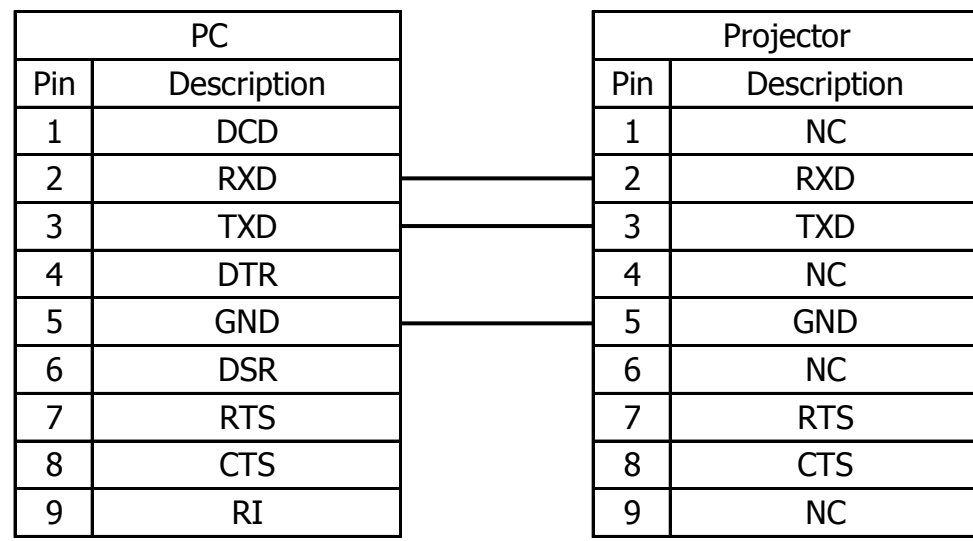


Pin Alignment



RS232C Setting

Baud Rate:	19200
Parity Check:	None
Data Bit:	8
Stop Bit:	1
Flow Control:	None

RS232C Command List for EIP-UJT100

Category	Item	Standard Format	Expand Format		Reply	Description	
		Commands	Commands	Parameter (%1=)			
Main	1-1	CR1			1 ~ 7 (Refer the Description)	Check input mode (1:HDMI, 2:HDBaseT, 3:VGA, 4: YUV1, 5: RGBHV/YUV2, 6: SDI, 7:3D DVI)	
		C36				HDMI	
		C38					HDBaseT
		C05					VGA
		C33					YUV1
		C54					RGBHV/YUV2
		C55					SDI
						3D DVI	
	1-2		CR_COLORSPACE			1 ~ 5	Check color space
					1		Auto
					2		YCbCr (Rec. 601);
			CF_COLORSPACE_%1		3		YPbPr (Rec. 709);
					4		RGB-PC (0-255);
					5		RGB-Video (16-235);
	1-3		CR_FRAMELOCK			1 ~ 4	Check input lock setting
					1		Auto
			CF_FRAMELOCK_%1		2		48 Hz
					3		50 Hz
					4		60 Hz
	1-4		CR_AUTOPOWEROFF			0 ~ 1	Check auto power off mode setting
		C2B C2E	CF_AUTOPOWEROFF_%1		0		off
				1		on	
1-5		CR_AUTOPOWERON			0 ~ 1	Check auto power on mode setting	
	C29 C28	CF_AUTOPOWERON_%1		0		off	
				1		on	
1-6		CR_BACKGND			1 ~ 4	Check no signal setting	
				1		Logo	
		CF_BACKGND_%1		2		Blue	
				3		Black	
				4		White	
1-7		CR_IMAGEADJ			0 ~ 2	Check auto image adjust setting	
				0		off	
		CF_IMAGEADJ_%1		1		Auto	
				2		Always	
Picture	2-1		CR_CONT		0 ~ 200	check contrast value	
					0 ~ 200	set contrast value (input value) (0~200)	
			CF_CONT_%1		UP		increase contrast value (+1) from current setting
					DN	decrease contrast value (-1) from current setting	
	2-2		CR_BRIGHT			0 ~ 200	check bright value
						0 ~ 200	set bright value (input value) (0~200)
			CF_BRIGHT_%1		UP		increase bright value (+1) from current setting
					DN	decrease bright value (-1) from current setting	
	2-3		CR_SHARP			0 ~ 200	check sharpness value
						0 ~ 200	set sharpness value (input value) (0~200)
			CF_SHARP_%1		UP		increase sharpness value (+1) from current setting
					DN	decrease sharpness value (-1) from current setting	
	2-4		CR_NZRED			0 ~ 200	check noise reduction value
						0 ~ 200	set noise reduction value (input value) (0~200)
			CF_NZRED_%1		UP		increase noise reduction value (+1) from current setting
					DN	decrease noise reduction value (-1) from current setting	
	2-5		CR_COLTEMP			1 ~ 5	Check color temp value
					1		Native
					2		3200K
			CF_COLTEMP_%1		3		5400K
					4		6500K
					5		9300K
	2-6-1		CR_OFFSET_R			0 ~ 200	check red offset value
						0 ~ 200	set red offset value (input value) (0~200)
			CF_OFFSET_R_%1		UP		increase red offset value (+1) from current setting
					DN	decrease red offset value (-1) from current setting	
	2-6-2		CR_OFFSET_G			0 ~ 200	check green offset value
						0 ~ 200	set green offset value (input value) (0~200)
			CF_OFFSET_G_%1		UP		increase green offset value (+1) from current setting
					DN	decrease green offset value (-1) from current setting	
	2-6-3		CR_OFFSET_B			0 ~ 200	check blue offset value
						0 ~ 200	set blue offset value (input value) (0~200)
			CF_OFFSET_B_%1		UP		increase blue offset value (+1) from current setting
					DN	decrease blue offset value (-1) from current setting	
	2-7-1		CR_GAIN_R			0 ~ 200	check red gain value
						0 ~ 200	set red gain value (input value) (0~200)
			CF_GAIN_R_%1		UP		increase red gain value (+1) from current setting
					DN	decrease red gain value (-1) from current setting	
	2-7-2		CR_GAIN_G			0 ~ 200	check green gain value
						0 ~ 200	set green gain value (input value) (0~200)
			CF_GAIN_G_%1		UP		increase green gain value (+1) from current setting
					DN	decrease green gain value (-1) from current setting	
	2-7-3		CR_GAIN_G			0 ~ 200	check blue gain value
						0 ~ 200	set blue gain value (input value) (0~200)
			CF_GAIN_G_%1		UP		increase blue gain value (+1) from current setting
					DN	decrease blue gain value (-1) from current setting	
	2-8		CR_ASPECT			1 ~ 9	Check aspect setting
					1		5:4
				2		4:3	
		C10		3		16:10	
				4		16:9	
				5		1.88	
				6		2.35	
				7		letter box	
				8		native	
			9		Unscaled		
2-9-1		CR_TDOTS			0 ~ 200	check h.total value	
					0 ~ 200	set h.total value (input value) (0~200)	
		CF_TDOTS_%1		UP		increase h.total value (+1) from current setting	
				DN	decrease h.total value (-1) from current setting		
2-9-2		CR_HPOS			0 ~ 200	check h.start value	
					0 ~ 200	set h.start value (input value) (0~200)	
		CF_HPOS_%1		UP		increase h.start value (+1) from current setting	
				DN	decrease h.start value (-1) from current setting		
2-9-3		CR_PHASE			0 ~ 200	check h.phase value	
					0 ~ 200	set h.phase value (input value) (0~200)	
		CF_PHASE_%1		UP		increase h.phase value (+1) from current setting	
				DN	decrease h.phase value (-1) from current setting		
2-9-4		CR_VPOS			0 ~ 200	check v.start value	
					0 ~ 200	set v.start value (input value) (0~200)	
		CF_VPOS_%1		UP		increase v.start value (+1) from current setting	
				DN	decrease v.start value (-1) from current setting		
2-10		C89				Auto Image Execute	

Layout	3-1		CR_OVERSCAN		0 ~ 2	Check Overscan value
				0		off
			CF_OVERSCAN_%1	1		Crop
	3-2			2		Zoom
			CR_PIPSUBINP		1 ~ 6	Check input mode (1:HDMI, 2:HDBaseT, 3:VGA, 4: YUV1, 5: RGBHV/YUV2, 6: SDI)
				1		HDMI
				2		HDBaseT
			CF_PIPSUBINP_%1	3		VGA
	3-3			4		YUV1
				5		RGBHV/YUV2
				6		SDI
		CR_PIPPOSITION		1 ~ 5	Check the pip position	
		CF_PIPPOSITION_%1	1		Top left	
3-4			2		Top right	
			3		Bottom left	
			4		Bottom right	
			5		Split- L-R	
		CR_PIPMODE		0 ~ 1	Check pip status	
Lamps	4-1					off
			CF_PIPMODE_%1	1		on
	4-2		CR_AUTOLAMPCONTROL		1 ~ 3	Check lamp mode setting
				1		Eco
			CF_AUTOLAMPSONTROL_%1	2		Normal
	4-3			3		Custom Power Level
			CR_LAMPMODE		1~2	Check projecting lamp setting
	4-4			1		single
			CF_LAMPMODE_%1	2		dual
	4-5		CR_ALTITUDE		0 ~ 1	(High Altitude) check altitude setting
			CF_ALTITUDE_%1	0		off
4-6			1		on	
		CR_LAMPPOWER		0 ~ 35	Check lamp power setting (0~35)	
4-7		CR_LAMPPOWER_%1	0 ~ 35		Value is "0~35"(78.3 % ~100 %)	
				00 (L1=OFF ,L2=OFF) 10 (L1=ON ,L2=OFF) 01 (L1=OFF,L2=ON) 11 (L1=ON,L2=ON)	Check lamp 1 status (Value is "0=off", "1=on")	
4-8	CR7				Check lamp 2 status (Value is "0=off", "1=on")	
				%1 %2 (exp:L1=50H ,L2=30H => "50 30")	Get lamp1 hours	
5	5-1	CR4	CR_PJPOSITION		1 ~ 4	Check projection mode
				1		Front / Desktop
			CF_PJPOSITION_%1	2		Rear / Desktop
				3		Rear / Ceiling
	5-2-1	C46		4		Front / Ceiling
		C47				
	5-2-2	C4A				Lens Zoom in
		C4B				Lens Zoom out
	5-3	C5D				Lens Focus Far
		C5E				Lens Focus Near
	5-4	C60				Vertical Lens Shift Up
		C5F				Vertical Lens Shift Down
5-5	C61				Horizontal Lens Shift Right	
					Horizontal Lens Shift Left	
5-6		CR_DYNACONT		0 ~ 1	check dynamic contrast value	
		CF_DYNACONT_%1	0		off	
5-7			1		on	
		CR_GAMMA		1 ~ 6	Check gamma mode	
			1		1.8	
			2		2	
		CF_GAMMA_%1	3		2.2(Default)	
			4		2.35	
			5		2.5	
5-8			6		Dicom Sim	
		CR_TESTPAT		0 ~ 14	Check pattern (0 -> off, other pattern is moved command number +1)	
			0		Off	
			1		Color Bar	
			2		Cross Hatch	
			3		Burst	
			4		Red	
			5		Green	
			6		Blue	
			7		White	
			8		Black	
			9		Red (TI)	
			10		Green (TI)	
			11		Blue (TI)	
5-9			12		HRamp (TI)	
			13		Reserve	
			14		Reserve	
	5-9-1		CR_COLORGAMUT		1~4	Check Color Gamut
			CF_COLORGAMUT_%1	1		Native
				2		EBU
				3		SMPTE
	5-10-1-1			4		Custom
			CF_CUSTOMCG_R_X_%1	0 ~ 700		Custom Color Gamut Rx
			CF_CUSTOMCG_R_Y_%1	0 ~ 700		Custom Color Gamut Ry
			CF_CUSTOMCG_G_X_%1	0 ~ 700		Custom Color Gamut Gx
			CF_CUSTOMCG_G_Y_%1	0 ~ 700		Custom Color Gamut Gy
			CF_CUSTOMCG_B_X_%1	0 ~ 700		Custom Color Gamut Bx
			CF_CUSTOMCG_B_Y_%1	0 ~ 700		Custom Color Gamut By
		CF_CUSTOMCG_C_X_%1	0 ~ 700		Custom Color Gamut Cx	
		CF_CUSTOMCG_C_Y_%1	0 ~ 700		Custom Color Gamut Cy	
		CF_CUSTOMCG_M_X_%1	0 ~ 700		Custom Color Gamut Mx	
		CF_CUSTOMCG_M_Y_%1	0 ~ 700		Custom Color Gamut My	
		CF_CUSTOMCG_Y_X_%1	0 ~ 700		Custom Color Gamut Yx	
		CF_CUSTOMCG_Y_Y_%1	0 ~ 700		Custom Color Gamut Yy	
		CF_CUSTOMCG_W_X_%1	0 ~ 700		Custom Color Gamut Wx	
	CF_CUSTOMCG_W_Y_%1	0 ~ 700		Custom Color Gamut Wy		
5-10-1-2		CF_CUSTOMCG RESET			Custom Color Garmut reset to default	
		CR_KYSTN_H		-350 ~ 350	check H keystone value	
	C90	CF_KYSTN_H_%1	-350 ~ 350		set H keystone value (input value) (-350~350)	
5-10-2			UP		increase H keystone value (+1) from current setting	
		CR_KTSYN_V		-350 ~ 350	check V keystone value	
	C8E	CF_KYSTN_V_%1	-200 ~ 200		set V keystone value (input value) (-200~200)	
5-10-3			DN		increase V keystone value (+1) from current setting	
					decrease V keystone value (-1) from current setting	
		CR_WARP_RT		-20 ~ 20	check rotation value	
5-10-3			-20 ~ 20		set rotation value (input value) (-20~20)	
		CF_WARP_RT_%1	UP		increase rotation value (+1) from current setting	
			DN		decrease rotation value (-1) from current setting	
5-10-3		CR_WARP_PB		-100 ~ 100	check Pincushion/Barrel value	
			-100 ~ 100		set Pincushion/Barrel value (input value) (-100~100)	
		CF_WARP_PB_%1	UP		increase Pincushion/Barrel value (+1) from current setting	
			DN		decrease Pincushion/Barrel value (-1) from current setting	

Advanced

5-10-4	CR_WARP_TLC_X		-192 ~ 192	-192 ~ 192	check top left corner x value
	CF_WARP_TLC_X_%1		UP		set top left corner x value (input value) (-192~192)
			DN		increase top left corner x value (+1) from current setting
					decrease top left corner x value (-1) from current setting
	CR_WARP_TLC_Y		-120 ~ 120	-120 ~ 120	check top left corner y value
	CF_WARP_TLC_Y_%1		UP		set top left corner y value (input value) (-120~120)
		DN		increase top left corner y value (+1) from current setting	
				decrease top left corner y value (-1) from current setting	
5-10-5	CR_WARP_TRC_X		-192 ~ 192	-192 ~ 192	check top right corner x value
	CF_WARP_TRC_X_%1		UP		set top right corner x value (input value) (-192~192)
			DN		increase top right corner x value (+1) from current setting
					decrease top right corner x value (-1) from current setting
	CR_WARP_TRC_Y		-120 ~ 120	-120 ~ 120	check top right corner y value
	CF_WARP_TRC_Y_%1		UP		set top right corner y value (input value) (-120~120)
		DN		increase top right corner y value (+1) from current setting	
				decrease top right corner y value (-1) from current setting	
5-10-6	CR_WARP_BLC_X		-192 ~ 192	-192 ~ 192	check bottom left corner x value
	CF_WARP_BLC_X_%1		UP		set bottom left corner x value (input value) (-192~192)
			DN		increase bottom left corner x value (+1) from current setting
					decrease bottom left corner x value (-1) from current setting
	CR_WARP_BLC_Y		-120 ~ 120	-120 ~ 120	check bottom left corner y value
	CF_WARP_BLC_Y_%1		UP		set bottom left corner y value (input value) (-120~120)
		DN		increase bottom left corner y value (+1) from current setting	
				decrease bottom left corner y value (-1) from current setting	
5-10-7	CR_WARP_BRC_X		-192 ~ 192	-192 ~ 192	check bottom right corner x value
	CF_WARP_BRC_X_%1		UP		set bottom right corner x value (input value) (-192~192)
			DN		increase bottom right corner x value (+1) from current setting
					decrease bottom right corner x value (-1) from current setting
	CR_WARP_BRC_Y		-120 ~ 120	-120 ~ 120	check bottom right corner y value
	CF_WARP_BRC_Y_%1		UP		set bottom right corner y value (input value) (-120~120)
		DN		increase bottom right corner y value (+1) from current setting	
				decrease bottom right corner y value (-1) from current setting	
5-10-9	CF_WARP_RESET				Execute reset warping
5-11-1	CR_BLANK_TOP		0 ~ 360	0 ~ 360	check top blanking value
	CF_BLANK_TOP_%1		UP		set top blanking value (input value) (0~360)
			DN		increase top blanking value (+1) from current setting
					decrease top blanking value (-1) from current setting
5-11-2	CR_BLANK_BOTTOM		0 ~ 360	0 ~ 360	check bottom blanking value
	CF_BLANK_BOTTOM_%1		UP		set bottom blanking value (input value) (0~360)
			DN		increase bottom blanking value (+1) from current setting
					decrease bottom blanking value (-1) from current setting
5-11-3	CR_BLANK_LEFT		0 ~ 360	0 ~ 360	check left blanking value
	CF_BLANK_LEFT_%1		UP		set left blanking value (input value) (0~534)
			DN		increase left blanking value (+1) from current setting
					decrease left blanking value (-1) from current setting
5-11-4	CR_BLANK_RIGHT		0 ~ 360	0 ~ 360	check right blanking value
	CF_BLANK_RIGHT_%1		UP		set right blanking value (input value)
			DN		increase right blanking value (+1) from current setting
					decrease right blanking value (-1) from current setting
5-11-5	CF_BLANK_RESET				Execute reset blanking
5-12-1	CR_EDGEBLENDING			0 ~ 1	Check edge blending status
	CF_EDGEBLENDING_%1		0		off
			1		on
5-12-2-1	CR_BLEND_TOP		0, 200 ~ 500	0, 200 ~ 500	check blend width top value
	CF_BLEND_TOP_%1		UP		set blend width top value (input value) (0, 200~500)
			DN		increase blend width top value (+1) from current setting
					decrease blend width top value (-1) from current setting
5-12-2-2	CR_BLEND_BOTTOM		0, 200 ~ 500	0, 200 ~ 500	check blend width bottom value
	CF_BLEND_BOTTOM_%1		UP		set blend width bottom value (input value) (0, 200~500)
			DN		increase blend width bottom value (+1) from current setting
					decrease blend width bottom value (-1) from current setting
5-12-2-3	CR_BLEND_LEFT		0, 200 ~ 800	0, 200 ~ 800	check blend width left value
	CF_BLEND_LEFT_%1		UP		set blend width left value (input value) (0, 200~800)
			DN		increase blend width left value (+1) from current setting
					decrease blend width left value (-1) from current setting
5-12-2-4	CR_BLEND_RIGHT		0, 200 ~ 800	0, 200 ~ 800	check blend width right value
	CF_BLEND_RIGHT_%1		UP		set blend width right value (input value) (0, 200~800)
			DN		increase blend width right value (+1) from current setting
					decrease blend width right value (-1) from current setting
5-12-3-1	CR_BLENDBLK_TOP		0,8,16,24,32	0,8,16,24,32	check black level uplift top value
	CF_BLENDBLK_TOP_%1		UP		set black level uplift top value (input value) (0, 8, 16, 24, 32)
			DN		increase black level uplift top value (+1) from current setting
					decrease black level uplift top value (-1) from current setting
5-12-3-2	CR_BLENDBLK_BOTTOM		0,8,16,24,32	0,8,16,24,32	check black level uplift bottom value
	CF_BLENDBLK_BOTTOM_%1		UP		set black level uplift bottom value (input value) (0, 8, 16, 24, 32)
			DN		increase black level uplift bottom value (+1) from current setting
					decrease black level uplift bottom value (-1) from current setting
5-12-3-3	CR_BLENDBLK_LEFT		0,4,8,16,20,24,28,32	0,4,8,16,20,24,28,32	check black level uplift left value
	CF_BLENDBLK_LEFT_%1		UP		set black level uplift left value (input value) (0, 4, 8, 16, 20, 24, 28, 32)
			DN		increase black level uplift left value (+1) from current setting
					decrease black level uplift left value (-1) from current setting
5-12-3-4	CR_BLENDBLK_RIGHT		0,4,8,16,20,24,28,32	0,4,8,16,20,24,28,32	check black level uplift right value
	CF_BLENDBLK_RIGHT_%1		UP		set black level uplift right value (input value) (0, 4, 8, 16, 20, 24, 28, 32)
			DN		increase black level uplift right value (+1) from current setting
					decrease black level uplift right value (-1) from current setting
5-12-4-1	CR_BLENDBLKC		0 ~ 32	0 ~ 32	check blend ajust all value
	CF_BLENDBLKC_%1		UP		set blend ajust all value (input value) (0~32)
			DN		increase blend ajust all value (+1) from current setting
					decrease blend ajust all value (-1) from current setting
5-12-4-2	CR_BLENDBLKC_R		0 ~ 32	0 ~ 32	check blend ajust red value
	CF_BLENDBLKC_R_%1		UP		set blend ajust red value (input value) (0~32)
			DN		increase blend ajust red value (+1) from current setting
					decrease blend ajust red value (-1) from current setting
5-12-4-3	CR_BLENDBLKC_G		0 ~ 32	0 ~ 32	check blend ajust green value
	CF_BLENDBLKC_G_%1		UP		set blend ajust green value (input value) (0~32)
			DN		increase blend ajust green value (+1) from current setting
					decrease blend ajust green value (-1) from current setting
5-12-4-4	CR_BLENDBLKC_B		0 ~ 32	0 ~ 32	check blend ajust blue value
	CF_BLENDBLKC_B_%1		UP		set blend ajust blue value (input value) (0~32)
			DN		increase blend ajust blue value (+1) from current setting
					decrease blend ajust blue value (-1) from current setting
5-12-4-5	CF_EDGEBLENDING_RESET				Execute reset edge blending
5-12-4-5a	CF_W2_RESET				Execute W2 recover
5-12-4-6	CR_BLENDTESTPAT			0 ~ 1	Check edge blending align pattern setting
	CF_BLENDTESTPAT_%1		0		off
			1		on
6-1	CR_ECONETWORK				Check standby ECO mode setting
	CF_ECONETWORK_%1		0		off
			1		on
6-2-1	CR_IPADDRESS			xxx.xxx.xxx.xxx	Check IP address
	CF_IPADDRESS_%1		xxx.xxx.xxx.xxx		Set IP address 12digits are depended on user environment. Therefore, x=0~9, but each 3digits are over 255, return ERR
6-2-2	CR_SUBNET			xxx.xxx.xxx.xxx	Check subnet mask
	CF_SUBNET_%1		xxx.xxx.xxx.xxx		Set subnet mask 12digits are depended on user environment. Therefore, x=0~9, but each 3digits are over 255, return ERR
6-2-3	CR_GATEWAY			xxx.xxx.xxx.xxx	Check gateway address
	CF_GATEWAY		xxx.xxx.xxx.xxx		Set gateway address 12digits are depended on user environment. Therefore, x=0~9, but each 3digits are over 255, return ERR

System	6-2-4	CR_DHCP		0 ~ 1	Check DHCP setting
		CF_DHCP_%1	0 1		Off On
	6-3	CR_MENUPOSITION		1 ~ 5	Check the menu position
		CF_MENUPOSITION_%1	1		Top Left
			2		Top Right
			3		Bottom Left
			4		Bottom Right
	5		Center		
	6-4	CR_LOGO		0 ~ 1	Check startup Logo On/Off setting
		CF_LOGO_%1	0 1		Off On
	6-5	CR_CHIME		0 ~ 1	Check start up chime On/Off setting
		CF_CHIME	0 1		Off On
	6-6	CR_BTN1		1 ~ 7	Check Button1 define (1:HDMI, 2:HDBaseT, 3:VGA, 4: YUV1, 5: RGBHV/YUV2, 6: SDI, 7:3D DVI)
		CF_BTN1_%1	1		HDMI
2				HDBaseT	
3				VGA	
4				YUV1	
5				RGBHV/YUV2	
6				SDI	
7		3D DVI			
6-7	CR_BTN2		1 ~ 7	Check Button2 define (1:HDMI, 2:HDBaseT, 3:VGA, 4: YUV1, 5: RGBHV/YUV2, 6: SDI, 7:3D DVI)	
	CF_BTN2_%1	1		HDMI	
		2		HDBaseT	
		3		VGA	
		4		YUV1	
		5		RGBHV/YUV2	
		6		SDI	
7		3D DVI			
6-8	CR_BTN3		1 ~ 7	Check Button3 define (1:HDMI, 2:HDBaseT, 3:VGA, 4: YUV1, 5: RGBHV/YUV2, 6: SDI, 7:3D DVI)	
	CF_BTN3_%1	1		HDMI	
		2		HDBaseT	
		3		VGA	
		4		YUV1	
		5		RGBHV/YUV2	
		6		SDI	
7		3D DVI			
6-9	CR_BTN4		1 ~ 7	Check Button4 define (1:HDMI, 2:HDBaseT, 3:VGA, 4: YUV1, 5: RGBHV/YUV2, 6: SDI, 7:3D DVI)	
	CF_BTN4_%1	1		HDMI	
		2		HDBaseT	
		3		VGA	
		4		YUV1	
		5		RGBHV/YUV2	
		6		SDI	
7		3D DVI			
6-10	CR_BTN5		1 ~ 7	Check Button5 define (1:HDMI, 2:HDBaseT, 3:VGA, 4: YUV1, 5: RGBHV/YUV2, 6: SDI, 7:3D DVI)	
	CF_BTN5_%1	1		HDMI	
		2		HDBaseT	
		3		VGA	
		4		YUV1	
		5		RGBHV/YUV2	
		6		SDI	
7		3D DVI			
6-11	CR_TRIG1		1 ~ 10	Check trigger1 setting	
	CF_TRIG1_%1	1		5:4	
		2		4:3	
		3		16:10	
		4		16:9	
		5		1.88	
		6		2.35	
		7		Letter box	
		8		Native	
		9		Unscaled	
10		Auto			
6-12	CR_TRIG2		1 ~ 10	Check trigger2 setting	
	CF_TRIG2_%1	1		5:4	
		2		4:3	
		3		16:10	
		4		16:9	
		5		1.88	
		6		2.35	
		7		Letter box	
		8		Native	
		9		Unscaled	
10		Auto			
6-13	CR_AUTOSRC		0 ~ 1	Check Auto Search setting	
	CF_AUTOSRC_%1	0 1		Off On	
6-14	CR_LANG		ENG, FRA,...	Check language setting	
	CF_LANG_%1	ENG		English	
		FRA		French	
		ESP		Spanish	
		DEU		German	
		POR		Portuese	
		SCH		Chinese Simplified	
		TCH		Chinese Traditional	
JPN		Japanese			
KOR		Korean			
Service	7-1	CR_MODELNAME			Get model name
	7-2	CR_SERIALNO			Get serial no.
	7-3	CR_SWVER			Get software version
	7-4-1	CR1		1 ~ 7 (Refer the Description)	Get current active source
	7-4-2	CR_PIPSUBINP		1 ~ 6	Get current PIP source
	7-5	CR_PIXELCLK			Get pixel clock
	7-6	CR_SYSTEM			Get signal format
	7-7-1	CR_REFRESH			Get H frequency
	7-7-2			%1 %2(H V)	Get V frequency
	7-8	CR3			Get lamp1 hours
	7-9			%1 %2 (exp:L1=50H ,L2=30H => "50 30")	Get lamp2 hours
	7-10	CF_LAMP1HOUR_RESET			Reset lamp1 hours to zero
7-11	CF_LAMP2HOUR_RESET			Reset lamp2 hours to zero	
7-12	CR_PJTIME			Get projector run time	

7-13		CR_BLUEONLY		0 ~ 1	Check blue only setting
		CF_BLUEONLY_%1		0 1	Off On
7-14		CF_FACTORY_RESET			Execute factory reset

Others	A-1	C00			power on
	A-2	C01			power off
	A-3	C0E			Picture mute off(Pause)
		C0D			Picture mute on(Pause)
	A-4	CR0			0 = standby
					1 = warm up
	A-5	CR ALLPFAIL			2 = imaging
					3 = cooling
					4 = warning
					0 = ErrMsgOverTempInlet
					1 = ErrMsgOverTempDMD
					2 = ErrMsgOverTempLamp1
					3 = ErrMsgOverTempLamp2
					4 = ErrMsgOverTempBallast1
					5 = ErrMsgOverTempBallast2
				6 = ErrMsgFanInitError	
				7 = ErrMsgFan0RotateError	
				8 = ErrMsgFan1RotateError	
				9 = ErrMsgFan2RotateError	
				10 = ErrMsgFan3RotateError	
				11 = ErrMsgFan4RotateError	
				12 = ErrMsgFan5RotateError	
				13 = ErrMsgFan6RotateError	
				14 = ErrMsgFan7RotateError	
				15 = ErrMsgDMDInitFail	
				16 = ErrMsgLampInitFail	
				17 = ErrMsgLampLitFail	
				18 = ErrMsgBallastUartError	
				19 = ErrMsgExGpioFail	
				20 = ErrMsgInterLockOpen	
				21 = ErrMsgGF9450NoResponse	
				22 = ErrMsgSystemI2cFail	
				23 = ErrMsgSoftwareI2cFail	
				24 = ErrMsgEepromFail	
				25 = ErrMsgEdidFail	
				26 = ErrMsgEepVersionFail	
				27 = ErrMsgRstGennum	
				28 = ErrMsgFan8RotateError	
				29 = ErrMsgFan9RotateError	
				30 = ErrMsgFan10RotateError	
				31 = ErrMsgFan11RotateError	
				32 = ErrMsgLamp2LitFail	
				33 = ErrMsgBallast2UartError	
				34 = ErrMsgGtInletTp	
		35 = ErrMsgGtDmdTp			
		36 = ErrMsgInletTempSensorFail			
		37 = ErrMsgDMDTempSensorFail			
		38 = ErrMsgGeoSystemFail			
		39 = ErrMsgreversed			
		40 = ErrMsgFan12RotateError			
		41 = ErrMsgFan13RotateError			
		42 = ErrMsgFan14RotateError			
		43 = ErrMsgFan15RotateError			
		44 = ErrMsgFan16RotateError			
		45 = ErrMsgFan17RotateError			
		46 = ErrMsgFan18RotateError			
		47 = ErrMsgFan19RotateError			
		48 = ErrMsgFan20RotateError			
		49 = ErrMsgFan21RotateError			
		50 = ErrMsgFan22RotateError			
		51 = ErrMsgFan23RotateError			
		52 = ErrMsgFanR1RotateError			
A-6	CR6			%1 %2 (%1 = Sensor1 TEMP %2 = Sensor1 TEMP)	sensor1 TEMP sensor2 TEMP

"ky" commands	B-1	C00			Power On
	B-2	C01			Power Off
	B-3		CF_KYSRC1		Source button 1
	B-4		CF_KYSRC2		Source button 2
	B-5		CF_KYSRC3		Source button 3
	B-6		CF_KYSRC4		Source button 4
	B-7		CF_KYSRC5		Source button 5
	B-8	C3C			Cursor up
	B-9	C3D			Cursor down
	B-10	C3A			Cursor left
	B-11	C3B			Cursor right
	B-12	C3F			Enter
	B-13	C1C			Menu
	B-14		CF_KYASPECT		Aspect (toggle)
	B-15		CF_KYSHUTTER		Shutter (Pause)
	B-16		CF_KYTEXT		Text
	B-17	C89			Autosync
	B-18		CF_KYCONT		Contrast
	B-19		CF_KYBRIGHT		Bright
	B-20		CF_KYSHARP		Sharpness
	B-21		CF_KYPHASE		Phase
	B-22		CF_KYPIP		PIP
	B-23		CF_KYPIPSWAP		PIPswap