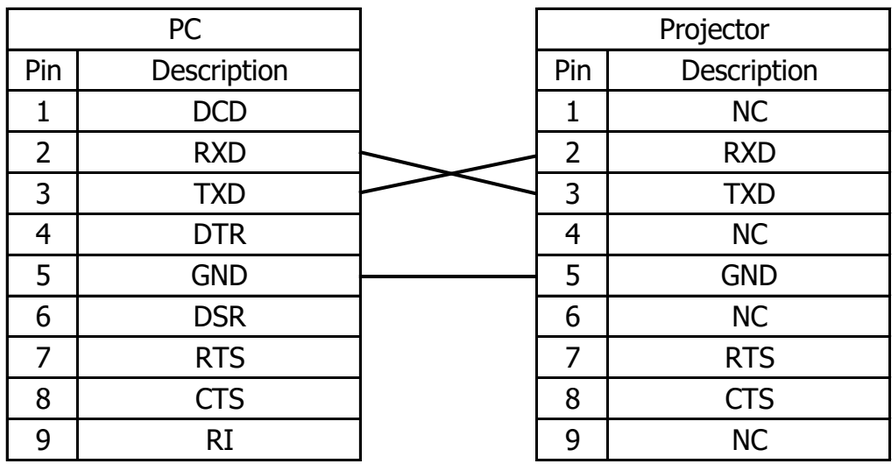
Pin Alignment



PC	
Pin	Description
1	DCD
2	RXD
3	TXD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	RI

Projector	
Pin	Description
1	NC
2	RXD
3	TXD
4	NC
5	GND
6	NC
7	RTS
8	CTS
9	NC

RS232C Setting

Baud Rate:	115200 (Default)
Parity Check:	None
Data Bit:	8
Stop Bit:	1
Flow Control:	None

*Baud rate can be changed below value in OSD.
--> 1200, 2400, 4600, 9600, 14400, 19200, 38400, 57600, 115200

RS232C Command List for EK-812U_EK-818U

Level 1	Level 2	Level 3	Level 4	Level 5	EIKI Format A (BASIC)	EIKI Format B (Expand)		Reply	Note
					Commands	Commands	Parameter (%1=)		
	Display Mode	Presentation				CF_IMAGE_%1	1	OK/ERR	
		Bright					2		
		Movie					3		
		HDR					4		
		sRGB					5		
		DICOM SIM.					6		
		Blending					7		
		2D High speed					8		
		User					9		
		3D					10		
						CR_IMAGE		1 ~ 10	
	Save to User					CF_IMAGE_SAVE			
	Wall Color	Off				CF_WALLCOLOR_%1	1		
		Blackboard					2		
		Light Yellow					3		
		Light Green					4		
		Light Blue					5		
		Pink					6		
		Gray					7		
						CR_WALLCOLOR		1~7	
	Dynamic Range	HDR	Off			CF_HDR_%1	0		
			Auto				1		
						CR_HDR		0~1	
		HDR Picture Mode	Bright			CF_HDRPICTUREMODE	1		
			Standard				2		
			Film				3		
			Detail				4		
						CR_HDRPICTUREMODE		1~4	
	Brightness	0 ~ 100				CF_BRIGHT_%1	0 ~ 100		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_BRIGHT		0 ~ 100	
	Contrast	0 ~ 100				CF_CONT_%1	0 ~ 100		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_CONT		0 ~ 100	
	Sharpness	'0 ~ 100				CF_SHARP_%1	0 ~ 4		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_SHARP		0 ~ 4	
	Color	'0 ~ 100				CF_COLOR_%1	0 ~ 100		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_COLOR		0 ~ 100	
	Tint	'0 ~ 100				CF_TINT_%1	0 ~ 100		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_TINT		0 ~ 100	
	Phase	'0 ~ 31				CF_PHASE_%1	0 ~ 100		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_PHASE		0 ~ 100	
	Horz Position	'0 ~ 100				CF_HPOS_%1	0 ~ 100		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_HPOS		0 ~ 100	
	Vert Position	'0 ~ 100				CF_VPOS_%1	0 ~ 100		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_VPOS		0 ~ 100	
	Auto Image	Normal				CF_AUTOIMAGE_%1	0		
		Wide					1		
						CR_AUTOIMAGE		0~1	
	3D Display	3D Mode	Off			CF_3D_%1	0		
			On				1		
						CR_3D		0~1	
		3D Format	Auto			CF_3D-MODE_%1	1		
			Frame Packing				2		
			Side by Side				3		
			Top and Bottom				4		
			Frame Sequential				5		
						CR_3D-MODE		1~5	
		3D Invert	Off			CF_3D-INVERT_%1	0		
			On				1		
						CR_3D-INVERT		0~1	
		DLP Link	Off			CF_DLPLINK_%1	0		
			On				1		
						CR_DLPLINK		0~1	
		3D-2D	3D			CF_3D-2D_%1	1		
			L				2		
			R				3		
						CR_3D-2D		1~3	
		3D Sync Out	To Emitter			CF_SYNCOUT_%1	1		
			To Next Projector				2		
						CR_SYNCOUT		1~2	
		L/R Reference	1st Frame			CF_LRREFERENCE_%1	1		
			Field GPIO				2		
						CR_LRREFERENCE		1~2	
		Frame Delay	1~500			CF_FRAMEDELAY_%1	1~200		
							UP		
							DN		
						CR_FRAMEDELAY			
		HSG Enable	Off			CF_CM_%1	0		
			On				1		
						CR_CM		0 ~ 1	
		Auto Test Pattern	Off			CF_CMAUTOTESTPAT_%1	0		
			On				1		
						CR_CMAUTOTESTPAT		0 ~ 1	
		Red H.	0 – 254			CF_CM_RH_%1	0 ~ 254		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_CM_RH		0 ~ 254	

PICTURE	HSG Adjustment	Red S.	0 – 254			CF_CM_RS_%1	0 ~ 254		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_CM_RS		0 ~ 254	
		Red G.	0 – 254			CF_CM_RG_%1	0 ~ 254		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_CM_RG		0 ~ 254	
		Green H.	0 – 254			CF_CM_GH_%1	0 ~ 254		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_CM_GH		0 ~ 254	
		Green S.	0 – 254			CF_CM_GS_%1	0 ~ 254		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_CM_GS		0 ~ 254	
		Green G.	0 – 254			CF_CM_GG_%1	0 ~ 254		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_CM_GG		0 ~ 254	
		Blue H.	0 – 254			CF_CM_BH_%1	0 ~ 254		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_CM_BH		0 ~ 254	
		Blue S.	0 – 254			CF_CM_BS_%1	0 ~ 254		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_CM_BS		0 ~ 254	
		Blue G.	0 – 254			CF_CM_BG_%1	0 ~ 254		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_CM_BG		0 ~ 254	
		Cyan H.	0 – 254			CF_CM_CH_%1	0 ~ 254		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_CM_CH		0 ~ 254	
		Cyan S.	0 – 254			CF_CM_CS_%1	0 ~ 254		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_CM_CS		0 ~ 254	
		Cyan G.	0 – 254			CF_CM_CG_%1	0 ~ 254		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_CM_CG		0 ~ 254	
		Magenta H.	0 – 254			CF_CM_MH_%1	0 ~ 254		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_CM_MH		0 ~ 254	
		Magenta S.	0 – 254			CF_CM_MS_%1	0 ~ 254		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_CM_MS		0 ~ 254	
		Magenta G.	0 – 254			CF_CM_MG_%1	0 ~ 254		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_CM_MG		0 ~ 254	
		Yellow H.	0 – 254			CF_CM_YH_%1	0 ~ 254		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_CM_YH		0 ~ 254	
		Yellow S.	0 – 254			CF_CM_YS_%1	0 ~ 254		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_CM_YS		0 ~ 254	
		Yellow G.	0 – 254			CF_CM_YG_%1	0 ~ 254		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_CM_YG		0 ~ 254	
		White R Gain	0 – 254			CF_CM_WH_%1	0 ~ 254		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_CM_WH		0 ~ 254	
		White G Gain	0 – 254			CF_CM_WS_%1	0 ~ 254		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_CM_WS		0 ~ 254	
		White B Gain	0 – 254			CF_CM_WG_%1	0 ~ 254		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_CM_WG		0 ~ 254	
		Reset to Default				CF_CMFDEFAULT_RST			
		White Peaking	0 – 10			CF_WPEAK_%1	0 ~ 10		
							UP		Increase setting value (+10) from current setting
							DN		Decrease setting value (-10) from current setting
						CR_WPEAK		0 ~ 10	
		Gamma	Film			CF_GAMMA_%1	1		
			Video				2		
			Graphics				3		
			Gamma2.2				4		
			3D				5		
			Blackboard				6		
			DICOM				7		
			Vivid				8		
						CR_GAMMA		1 ~ 7	
		Color Temperature	Warm			CF_COLTEMP	1		
			Standard				2		
			Cool				3		
						CR_COLTEMP		1 ~3	
		Color Space	Auto			CF_COLORSPACE_%1	1		
			RGB				2		
			RGB Video				3		
			REC709				4		
			REC601				5		
						CR_COLORSPACE		1 ~ 5	

	Advanced	Color Settings	Red Gain	0 ~ 100		CF_GAIN_R_%1	000 ~ 100		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_GAIN_R		0 ~ 100	
			Green Gain	0 ~ 100		CF_GAIN_G_%1	000 ~ 100		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_GAIN_G		0 ~ 100	
			Blue Gain	0 ~ 100		CF_GAIN_B_%1	000 ~ 100		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_GAIN_B		0 ~ 100	
			Red Offset	0 ~ 100		CF_OFFSET_R_%1	000 ~ 100		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_OFFSET_R		0 ~ 100	
			Green Offset	0 ~ 100		CF_OFFSET_G_%1	000 ~ 100		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_OFFSET_G		0 ~ 100	
			Blue Offset	0 ~ 100		CF_OFFSET_B_%1	000 ~ 100		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_OFFSET_B		0 ~ 100	
			Reset RGB Gain/Offset			CF_GO_RST			
		Color Enhancement	Off			CF_CENHANCE_%1	0		
			CE 1				1		
			CE 2				2		
						CR_CENHANCE		0 ~ 2	
		Color Wheel Speed	2X			CF_CWSPEED_%1	1		
			3X				2		
						CR_CWSPEED		1 ~ 2	
		Extreme Black	Off			CF_EXBLACK_%1	0		
			On				1		
						CR_EXBLACK		0 ~ 1	
		DynamicBlack™	Off			CF_DYNAMICBLACK_%1	0		
			On				1		
						CR_DYNAMICBLACK		0 ~ 1	
	Aspect Ratio	Auto			C0F	CF_ASPECT_%1	1		
		4:3					2		
		16:9					3		
		16:10					4		
		LBX					5		
		Native					6		
						CR_ASPECT		1 ~ 5	
	Edge Mask	0~10				CF_EDGEMASK_%1	0~10		
						CR_EDGEMASK		0~10	
	H Digital Zoom	50 ~ 400				CF_DZOOM_H_%1	50 ~ 400		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_DZOOM_H		50 ~ 400	
	V Digital Zoom	50 ~ 400				CF_DZOOM_V_%1	50 ~ 400		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
								50 ~ 400	
	H Digital Shift	0 ~ 100				CF_DSHIFT_H_%1	0 ~ 100		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_DSHIFT_H		0 ~ 100	
	V Digital Shift	0 ~ 100				CF_DSHIFT_V_%1	0 ~ 100		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_DSHIFT_V		0 ~ 100	
	Image Warping	PC Mode	Off			CF_PCMODE_%1	0		
			On				1		
						CR_PCMODE		0~1	
		H Keystone	0 ~ 200			CF_KYSTN_H_%1	0 ~ 200		
					C90		UP		Increase setting value (+1) from current setting
					C91		DN		Decrease setting value (-1) from current setting
						CR_KYSTN_H			
		V Keystone	0 ~ 200			CF_KYSTN_V_%1	0 ~ 200		
					C8E		UP		Increase setting value (+1) from current setting
					C8F		DN		Decrease setting value (-1) from current setting
						CR_KYSTN_V			
		H Pincushion	0 ~ 100			CF_WARP_PB_H_%1	0 ~ 100		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_WARP_PB_H			
		V Pincushion	0 ~ 100			CF_WARP_PB_V_%1	0 ~ 100		
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
						CR_WARP_PB_V			
		4-Corner	Top Left Horz Adjust	0 ~ 240		CF_WARP_TLC_X_%1	0 ~ 120		
							UP		
							DN		
								0 ~ 120	
			Top Left Vert Adjust	0 ~ 160		CF_WARP_TLC_Y_%1	0 ~ 80		
							UP		
							DN		
								0 ~ 80	
			Top Right Horz Adjust	0 ~ 240		CF_WARP_TRC_X_%1	0 ~ 120		
							UP		
							DN		
								0 ~ 120	
			Top Right Vert Adjust	0 ~ 160		CF_WARP_TRC_Y_%1	0 ~ 80		
							UP		
							DN		
								0 ~ 80	
			Bottom Left Horz Adjust	0 ~ 240		CF_WARP_BLC_X_%1	0 ~ 120		
							UP		
							DN		
								0 ~ 120	
			Bottom Left Vert Adjust	0 ~ 160		CF_WARP_BLC_Y_%1	0 ~ 80		
							UP		
							DN		
								0 ~ 80	

OUTPUT

			Bottom Right Horz Adjust	0 ~ 240		CF_WARP_BRC_X_%1	0 ~ 120		
							UP		
							DN		
								0 ~ 120	
			Bottom Right Vert Adjust	0 ~ 160		CF_WARP_BRC_Y_%1	0 ~ 80		
							UP		
							DN		
								0 ~ 80	
		Reset to Default				CF_WARP_RESET			
		PIP/PBP Enable	Off			CF_PIPMODE_%1	0		
			On				1		
						CR_PIPMODE			
		Main Source	HDMI1			CF_PIPMAININP_%1	1		
			HDMI2				2		
			DVI-D		C05		3		
			VGA				4		
			HDBaseT		C52		5		
			3G-SDI		C38		6		
					CR1	CR_PIPMAININP		1 ~ 6	
		Sub Source	HDMI1			CF_PIPSUBINP_%1	1		
			HDMI2				2		
			DVI-D				3		
			VGA				4		
			HDBaseT				5		
			3G-SDI				6		
						CR_PIPSUBINP		1 ~6	
		Swap				CF_PIPSWAP			
		Size	Small			CF_PIPSIZESUB_%1	1		
			Medium				2		
			Large				3		
						CR_PIPSIZESUB		1 ~ 3	
		Layout	PBP, Main Left			CF_PIPPOSITION_%1	1		
			PBP, Main Top				2		
			PBP, Main Right				3		
			PBP, Main Bottom				4		
			PIP-Bottom Right				5		
			PIP-Bottom Left				6		
			PIP-Top Left				7		
			PIP-Top Right				8		
						CR_PIPPOSITION		1 ~ 8	
	Language	English				CF_LANG_%1	ENG		
		French					FRA		
		Spanish					ESP		
		German					DEU		
		Italian					ITA		
		Russian					RUS		
		Chinese Simpified					SCH		
		Japanese					JPN		
		Korean					KOR		
		Portuguese					POR		
		Indonesian					INA		
		Dutch					NED		
		Arabic					ARA		
						CR_LANG	ENG, FRA, ….		
	Ceiling Mount	Off				CF_CEIL_%1	0		
		On					1		
		Auto					2		
						CR_CEIL		0 ~ 2	
	Rear Projection	Off				CF_REAR_%1	0		
		On					1		
						CR_REAR		0 ~ 1	
	Lens Function	Focus							
					C4B				
					C4D				
					C4A				
					C4C				
		Zoom							
					C46				
					C48				
					C47				
					C49				
		Lens Shift							
					C5D				
					C63				
					C5E				
					C64				
					C60				
					C66				
					C5F				
					C65				
		Lens Calibration	Yes/No (Dialog box)		C61				
		Lens Lock	No			CF_LENSLOCK_%1	0		
			Yes				1		
						CR_LENSLOCK		0 ~ 1	
		Lens Memory	Apply Position	1~5		CF_LENSMEMORYAPPLY_%1	1~5		
						CR_LENSMEMORYAPPLY		1~5	
			Save Position	1~5		CF_LENSMEMORYSAVE_%1	1~5		
						CR_LENSMEMORYSAVE		1~5	
	Menu Location	Top left				CF_MENULOCATION_%1	1		
		Top right					2		
		Center					3		
		Bottom left					4		
		Bottom right					5		
						CR_MENULOCATION		1~5	

SETUP	Menu Preferences	Menu Transparency	0 ~ 9			CF_MENUTRANS_%1	0 ~ 9		
						CR_MENUTRANS		0 ~ 9	
		Show Messages	Off			CF_DISP_%1	0		
			On				1		
						CR_DISP		0 ~ 1	
	Keypad LED Settings	Off				CF_KEYLIGHT_%1	0		
		On					1		
						CR_KEYLIGHT		0 ~ 1	
	Pin	Pin Protect	Off			CF_PJPINCODE_%1	00000 ~ 99999		
			On						
		Change PIN				CF_PJPINCODECHANGE_%1_%2	%1= Old PIN %2= New PIN (00000 ~ 99999)		
	12V Trigger	Off				CF_12VTRIGGER_%1	0		
		On					1		
						CR_12VTRIGGER		0~1	
	4K Compatible (HDMI1)	Off				CF_HDMI1EDID_%1	0		
		On					1		
						CR_HDMI1EDID		0~1	
	4K Compatible (HDMI2)	Off				CF_HDMI2EDID_%1	0		
		On					1		
						CR_HDMI2EDID		0~1	
	Communications	LAN	DHCP	OFF		CF_DHCP_%1	0		
				ON			1		
						CR_DHCP		0 ~ 1	
			IP Address			CF_IPADDRESS_%1	xxx.xxx.xxx.xxx		
						CR_IPADDRESS	xxx.xxx.xxx.xxx		
			Subnet Mask			CF_SUBNET_%1	xxx.xxx.xxx.xxx		
						CR_SUBNET	xxx.xxx.xxx.xxx		
			Default Gateway			CF_GATEWAY_%1	xxx.xxx.xxx.xxx		
						CR_GATEWAY	xxx.xxx.xxx.xxx		
			DNS						
			MAC Address			CR_MACADDRESS	xx-xx-xx-xx-xx-xx		
			Apply			CF_LANSETAPPLY			
		WLAN	Enable			CF_WLAN_%1			
			Start IP			CF_WLAN_STARTIP_%1	xxx.xxx.xxx.xxx		
						CR_WLAN_STARTIP	xxx.xxx.xxx.xxx		
			End IP			CF_WLAN_ENDIP_%1	xxx.xxx.xxx.xxx		
						CR_WLAN_ENDIP	xxx.xxx.xxx.xxx		
			IP address						
			Subnet Mask			CF_WLAN_SUBNET_%1	xxx.xxx.xxx.xxx		
						CR_WLAN_SUBNET	xxx.xxx.xxx.xxx		
			SSID			CR_WLAN_SSID			
			Apply						
		Control	Crestron	Off		CF_CRESTRON_%1	0		
				On			1		
						CR_CRESTRON		0~1	
			PJ Link	Off		CF_PJLINK_%1	0		
				On			1		
						CR_PJLINK		0~1	
			AMX Device Discovery	Off		CF_AMXDEVICEDISCOVERY_%1	0		
				On			1		
						CR_AMXDEVICEDISCOVERY		0~1	
			Telnet	Off		CF_TELNET_%1	0		
				On			1		
						CR_TELNET		0~1	
			HTTP	Off		CF_HTTP_%1	0		
				On			1		
						CR_HTTP		0~1	
		Network Reset				CF_NET_FACTORY_RESET			
		Serial Port Baud Rate	1200			CF_BAUDRATE_%1	1		
			2400				2		
			4800				3		
			9600				4		
			14400				5		
			19200				6		
			38400				7		
			57600				8		
			115200				9		
						CR_BAUDRATE		1 ~ 9	
		Projector Address	0 - 9			CF_PJIRADDRESS_%1	0 ~ 9		
						CR_PJIRADDRESS		0 ~ 9	
		IR Control	Front	Off		CF_IRFRONT_%1	0		
				On			1		
						CR_IRFRONT		0 ~ 1	
			Top	Off		CF_IRTOP_%1	0		
				On			1		
						CR_IRTOP		0 ~ 1	
			HDBaseT	Off		CF_IRHDBT_%1	0		
				On			1		
						CR_IRHDBT		0 ~ 1	
	Auto Source	Off				CF_AUTOSRC_%1	0		
		On					1		
						CR_AUTOSRC		0 ~ 1	
	High Altitude	Off				CF_ALTITUDE_%1	0		
		On					1		
						CR_ALTITUDE		0 ~ 1	
	Test Pattern	Off				CF_TESTPAT_%1	0		
		Green Grid					1		
		Magenta Grid					2		
		White Grid					3		
		White					4		
		Black					5		
		Red					6		
		Green					7		
		Blue					8		
		Yellow					9		
		Magenta					10		
		Cyan					11		
						CR_TESTPAT		0 ~ 11	
	Background Color	Logo				CF_BACKGND_%1	1		
		Blue					2		
		Black					3		
		White					4		
						CR_BACKGND		1 ~ 4	

	Hot-Key settings	Aspect Ratio					1		
		Freeze Screen					2		
						CR_HOTKEY		1 ~ 2	
	Power Settings	Standby Power Mode	0.5W mode			CF_ECONETWORK_%1	0		
			Active mode				1		
			Communication mode				2		
						CR_ECONETWORK		0 ~ 2	
		Direct Power On	Off		C29	CF_AUTOPOWERON	0		
			On		C28		1		
						CR_AUTOPOWERON		0 ~ 1	
		Signal Power On	Off			CF_SIGNALPOWERON_%1	0		
			On				1		
						CR_SIGNALPOWERON		0~1	
		Auto Power Off(min.)	0~180(5 min increments)			CF_AUTOPOWEROFF_%1	0~180		
						CR_AUTOPOWEROFF		0 ~ 180	
		Sleep Timer(min.)	0 ~ 990 (30 min increments)			CF_SLEEP_%1	0~990		
						CR_SLEEP		0~990	
	Light Source Settings	Light Source Mode	Constant Power			CF_AUTOLAMPCONTROL_%1	0		
			Constant Luminance				1		
			Eco Mode				2		
						CR_AUTOLAMPCONTROL		0~2	
		Constant Power Settin	1-100			CF_LAMPPOWER_%1	1 ~ 100		
						CR_LAMPPOWER		1 ~ 100	
		Total Projector Hours				CR_PJTIME			
OPTION	Information	Model Name				CR_MODELNAME			
		Serial Number				CR_SERIALNO			
		Native Resolution				CR_NRESOLUTION			
		FW Version				CR_SWVER			
		F-MCU Version				CR_F-MCUVERSION			
		S-MCU Version				CR_S-MCUVERSION			
		M-MCU Version				CR_M-MCUVERSION			
		L-MCU Version				CR_L-MCUVERSION			
		A-MCU Version				CR_A-MCUVERSION			
		LAN Version				CR_LANVERSION			
		Formatter Version				CR_FORMATTERVERSION			
		FPGA0 Version				CR_FPGA0VERSION			
		FPGA1 Version				CR_FPGA1VERSION			
		HDBaseT Version				CR_HDBASETVERSION			
		Main Source			CR1				
		- Resolution				CR_RESOLUTION			
		- Signal Format				CR_SYSTEM			
		- Pixel Clock				CR_PIXELCLK			
		- Horz Refresh				CR_REFRESH		%1 %2 (%1 = H freq. %2 = V freq.)	
		- Vert Refresh							
		Sub Source				CR_PIPSUBINP			
		- Resolution				CR_SUB_RESOLUTION			
		- Signal Format				CR_SUB_SYSTEM			
		- Pixel Clock				CR_SUB_PIXELCLK			
		- Horz Refresh				CR_SUB_REFRESH		%1 %2 (%1 = H freq. %2 = V freq.)	
		- Vert Refresh							
		Display Mode				CR_IMAGE			
		Color Space				CR_COLORSPACE			
		Light Source Mode				CR_AUTOLAMPCONTROL			
		Total Projector Hours				CR_PJTIME			
		Standby Power Mode				CR_ECONETWORK			
		IP Address				CR_IPADDRESS			
		DHCP				CR_DHCP			
		SSID				CR_WLAN_SSID			
						CF_FACTORY_RESET			
	Others	Power On				C00			
		Power Off				C01			
		AV Mute Enable				C0D			
		AV Mute Disable				C0E			
		Freeze Screen				C43			
		Unfreeze Screen				C44			
						CR_ALLPFAIL			
									Projector Status
					CR0		1		1 = Standby
							2		2 = Warming Up
							4		4 = Searching Source
							7		7 = Display Source
							12		12 = Cooling

	Power ON				C00				
	Power OFF				C02				
	1					CF_KYBTN1			HDMI 1 input
	2					CF_KYBTN2			HDMI 2 input
	3					CF_KYBTN3			DVI-D input
	4					CF_KYBTN4			VGA input
	5					CF_KYBTN5			HDBaseT input
	6					CF_KYBTN6			3G-SDI input
	7					CF_KYBTN7			
	8					CF_KYBTN8			
	9					CF_KYBTN9			
	Info					CF_KYINFO			
	0					CF_KYBTN0			
	Mode				C27				
	Auto				C89				
	Source					CF_KYSRC			
	Up				C3C				
	Left				C3B				
	Enter				C3F				
	Right				C3A				
	Down				C3D				
	Menu				C1C				
	Exit					CF_KYEXIT			
Remote Control Button	Gamma					CF_KYGAMMA			
	Bright					CF_KYBRIGHT			
	Cont.					CF_KYCONT			
	PIP					CF_KYPIP			
	Lens H (Left)				C5F				
	Lens H (Right)				C60				
	Focus (Up)				C4A				
	Lens V (Up)				C5D				
	Lens V (Down)				C5E				
	Focus (Down)				C4B				
	Keystone H (Left)				C91				
	Keystone H (Right)				C90				
	Zoom (Up)				C46				
	Keystone V (Up)				C8E				
	Keystone V (Down)				C8F				
	Zoom (Down)				C47				
	Shutter (AV Mute)					CF_KYSHUTTER			
	Hot Key					CF_KYHOTKEY			
	Pattern					CF_KYTESTPAT			