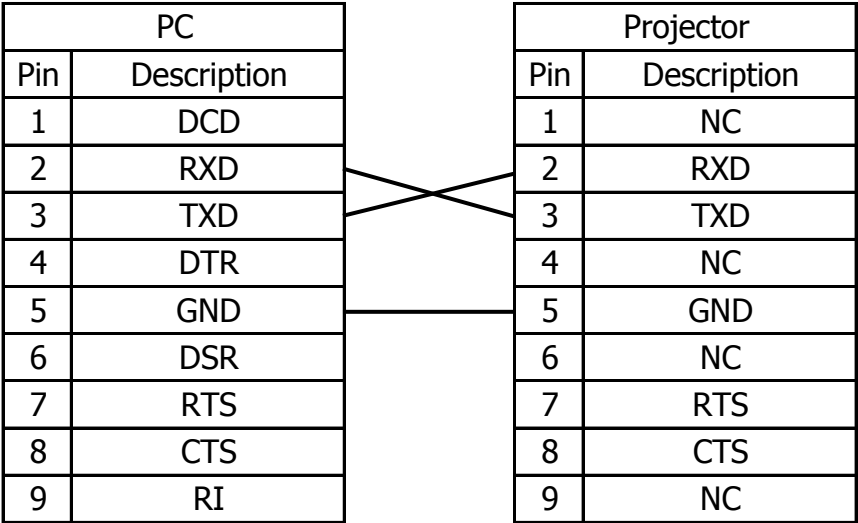


Pin Alignment



RS232C Setting

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

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

RS232C Command List for EK-820U

Category	Item	EIKI Format A (BASIC)	EIKI Format B (Expand)		Reply	Note
		Commands	Commands	Parameter (%1=)		
	1-1		CF_IMAGE_%1	1		Presentation
				2		Video
				3		Bright
				4		REC709
				5		DICOM SIM
				6		2D High Speed
				7		3D
				8		Blending
				9		User
			CF_IMAGE_SAVE			Save Current Setting to "User"
			CR_IMAGE		1 ~ 9	"Check Display Mode setting (1:Presentation, 2:Video, 3:Bright, 4:REC709, 5:DICOM SIM, 6:2D High Speed, 7:3D, 8:Blending, 9:User)"
1-2			CF_BRIGHT_%1	0 ~ 100		Set Bright Value (0 ~ 100)
				UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting
			CR_BRIGHT		0 ~ 100	Check Bright Value
1-3			CF_CONT_%1	0 ~ 100		Set Contrast Value (0 ~ 100)
				UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting
			CR_CONT		0 ~ 100	Check Contrast Value
1-4			CF_SHARP_%1	0 ~ 4		Set Sharp Value (0 ~ 100)
				UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting
			CR_SHARP		0 ~ 4	Check Sharp Value
1-5			CF_COLOR_%1	0 ~ 100		Set Color Value (0 ~ 100)
				UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting
			CR_COLOR		0 ~ 100	Check Color Value
1-6			CF_TINT_%1	0 ~ 100		Set Tint Value (0 ~ 100)
				UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting
			CR_TINT		0 ~ 100	Check Tint Value
1-7			CF_PHASE_%1	0 ~ 100		Set Phase Value (0 ~ 100)
				UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting
			CR_PHASE		0 ~ 100	Check Phase Value
1-8			CR_FREQ_%1	0 ~ 100		Set Frequency Value (0 ~ 100)
				UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting
			CR_FREQ		0 ~ 100	Check Frequency Value
1-9			CF_HPOS_%1	0 ~ 100		Set Horizontal Position Value (0 ~ 100)
				UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting
			CR_HPOS		0 ~ 100	Check Horizontal Position Value
1-10			CF_VPOS_%1	0 ~ 100		Set Vertical Position Value (0 ~ 100)
				UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting
			CR_VPOS		0 ~ 100	Check Vertical Position Value
1-11-1			CF_3D-MODE_%1	1		Auto
				2		Frame Packing
				3		Side by Side
				4		Top and Bottom
				5		Frame Sequential
				0		Off
			CR_3D-MODE		0 ~ 5	Check 3D Mode setting
1-11-2			CF_3D-INVERT_%1	0		Off
				1		On
1-11-3			CR_3D-INVERT		0 ~ 1	Check 3D-Invert setting
			CF_DLPLINK_%1	0		Off
				1		On
1-11-4			CR_DLPLINK		0 ~ 1	Check DLP-LINK setting
			CF_SYNCOUT_%1	1		To Emitter
				2		To Next Projector
1-11-5			CR_SYNCOUT		1 ~ 2	Check SYNC OUT setting
			CF_FRAMEDELAY_%1	1~200		Set FRAME DELAY setting (1 ~ 200)
				UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting
1-12-1			CR_FRAMEDELAY		1~200	Check FRAME DELAY setting
			CF_CM_%1	0		Off
				1		On
1-12-2			CR_CM		0 ~ 1	Check HSG Enable setting
			CF_CMAUTOTESTPAT_%1	0		Off
				1		On
1-12-3			CR_CMAUTOTESTPAT_%1		0 ~ 1	Check Auto Test Pattern setting
			CF_CM_RH_%1	0 ~ 254		Set Red Hue Value (0 ~ 254)
				UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting
1-12-4			CR_CM_RH		0 ~ 254	Check Red Hue Value
			CF_CM_RS_%1	0 ~ 254		Set Red Hue Value (0 ~ 254)
				UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting
1-12-5			CR_CM_RS		0 ~ 254	Check Red Saturant Value
			CF_CM_RG_%1	0 ~ 254		Set Red Gain Value (0 ~ 254)
				UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting
1-12-6			CR_CM_RG		0 ~ 254	Check Red Gain Value
			CF_CM_GH_%1	0 ~ 254		Set Green Hue Value (0 ~ 254)
				UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting
			CR_CM_GH		0 ~ 254	Check Green Hue Value

PICTURE

1-12-7		CF_CM_GS_%1	0 ~ 254		Set Green Saturant Value (0 ~ 254)
			UP		Increase setting value (+1) from current setting
			DN		Decrease setting value (-1) from current setting
		CR_CM_GS		0 ~ 254	Check Green Saturant Value
1-12-8		CF_CM_GG_%1	0 ~ 254		Set Green Gain Value (0 ~ 254)
			UP		Increase setting value (+1) from current setting
			DN		Decrease setting value (-1) from current setting
		CR_CM_GG		0 ~ 254	Check Green Gain Value
1-12-9		CF_CM_BH_%1	0 ~ 254		Set Blue Hue Value (0 ~ 254)
			UP		Increase setting value (+1) from current setting
			DN		Decrease setting value (-1) from current setting
		CR_CM_BH		0 ~ 254	Check Blue Hue Value
1-12-10		CF_CM_BS_%1	0 ~ 254		Set Blue Saturant Value (0 ~ 254)
			UP		Increase setting value (+1) from current setting
			DN		Decrease setting value (-1) from current setting
		CR_CM_BS		0 ~ 254	Check Blue Saturant Value
1-12-11		CF_CM_BG_%1	0 ~ 254		Set Blue Gain Value (0 ~ 254)
			UP		Increase setting value (+1) from current setting
			DN		Decrease setting value (-1) from current setting
		CR_CM_BG		0 ~ 254	Check Blue Gain Value
1-12-12		CF_CM_CH_%1	0 ~ 254		Set Cyan Hue Value (0 ~ 254)
			UP		Increase setting value (+1) from current setting
			DN		Decrease setting value (-1) from current setting
		CR_CM_CH		0 ~ 254	Check Cyan Hue Value
1-12-13		CF_CM_CS_%1	0 ~ 254		Set Cyan Saturant Value (0 ~ 254)
			UP		Increase setting value (+1) from current setting
			DN		Decrease setting value (-1) from current setting
		CR_CM_CS		0 ~ 254	Check Cyan Saturant Value
1-12-14		CF_CM_CG_%1	0 ~ 254		Set Cyan Gain Value (0 ~ 254)
			UP		Increase setting value (+1) from current setting
			DN		Decrease setting value (-1) from current setting
		CR_CM_CG		0 ~ 254	Check Cyan Gain Value
1-12-15		CF_CM_MH_%1	0 ~ 254		Set Magenta Hue Value (0 ~ 254)
			UP		Increase setting value (+1) from current setting
			DN		Decrease setting value (-1) from current setting
		CR_CM_MH		0 ~ 254	Check Magenta Hue Value
1-12-16		CF_CM_MS_%1	0 ~ 254		Set Magenta Saturant Value (0 ~ 254)
			UP		Increase setting value (+1) from current setting
			DN		Decrease setting value (-1) from current setting
		CR_CM_MS		0 ~ 254	Check Magenta Saturant Value
1-12-17		CF_CM_MG_%1	0 ~ 254		Set Magenta Gain Value (0 ~ 254)
			UP		Increase setting value (+1) from current setting
			DN		Decrease setting value (-1) from current setting
		CR_CM_MG		0 ~ 254	Check Magenta Gain Value
1-12-18		CF_CM_YH_%1	0 ~ 254		Set Yellow Hue Value (0 ~ 254)
			UP		Increase setting value (+1) from current setting
			DN		Decrease setting value (-1) from current setting
		CR_CM_YH		0 ~ 254	Check Yellow Hue Value
1-12-19		CF_CM_YS_%1	0 ~ 254		Set Yellow Saturant Value (0 ~ 254)
			UP		Increase setting value (+1) from current setting
			DN		Decrease setting value (-1) from current setting
		CR_CM_YS		0 ~ 254	Check Yellow Saturant Value
1-12-20		CF_CM_YG_%1	0 ~ 254		Set Yellow Gain Value (0 ~ 254)
			UP		Increase setting value (+1) from current setting
			DN		Decrease setting value (-1) from current setting
		CR_CM_YG		0 ~ 254	Check Yellow Gain Value
1-12-21		CF_CM_WH_%1	0 ~ 254		Set White Hue Value (0 ~ 254)
			UP		Increase setting value (+1) from current setting
			DN		Decrease setting value (-1) from current setting
		CR_CM_WH		0 ~ 254	Check White Hue Value
1-12-22		CF_CM_WS_%1	0 ~ 254		Set White Saturant Value (0 ~ 254)
			UP		Increase setting value (+1) from current setting
			DN		Decrease setting value (-1) from current setting
		CR_CM_WS		0 ~ 254	Check White Saturant Value
1-12-23		CF_CM_WG_%1	0 ~ 254		Set White Gain Value (0 ~ 254)
			UP		Increase setting value (+1) from current setting
			DN		Decrease setting value (-1) from current setting
		CR_CM_WG		0 ~ 254	Check White Gain Value
1-12-24		CF_CMFDEFAULT_RST			Reset the value of HSG setting
1-13-1		CF_WPEAK_%1	0 ~ 100		Step value size is "10"
			UP		Increase setting value (+10) from current setting
			DN		Decrease setting value (-10) from current setting
		CR_WPEAK		0 ~ 100	Check White Peaking Value
1-13-2		CF_GAMMA_%1	1		Video
			2		Film
			3		Bright
			4		CRT
			5		DICOM
			6		Gamma2.2
		CR_GAMMA		1 ~ 6	Check Gamma setting
1-13-3		CF_COLTEMP	1		Warmest
			2		Warm
			3		Cool
			4		Bright
		CR_COLTEMP		1 ~4	Check Color Temp setting
1-13-4		CF_COLORSPACE_%1	2		RGB
			3		REC709
			4		REC601
			5		RGB Video
			1		Auto
		CR_COLORSPACE		1 ~ 5	Check Color Space setting
1-13-5-1		CF_GAIN_R_%1	000 ~ 100		Set Red Gain Value (0 ~ 100)
			UP		Increase setting value (+1) from current setting
			DN		Decrease setting value (-1) from current setting
		CR_GAIN_R		0 ~ 100	Check Red Gain Value
1-13-5-2		CF_GAIN_G_%1	000 ~ 100		Set Green Gain Value (0 ~ 100)
			UP		Increase setting value (+1) from current setting
			DN		Decrease setting value (-1) from current setting
		CR_GAIN_G		0 ~ 100	Check Green Gain Value
			000 ~ 100		Set Blue Gain Value (0 ~ 100)

	1-13-5-3		CF_GAIN_B_%1	UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting
			CR_GAIN_B		0 ~ 100	Check Blue Gain Value
	1-13-5-4			000 ~ 100		Set Red Offset Value (0 ~ 100)
			CF_OFFSET_R_%1	UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting
	1-13-5-5		CR_OFFSET_R		0 ~ 100	Check Red Offset Value
				000 ~ 100		Set Green Offset Value (0 ~ 100)
			CF_OFFSET_G_%1	UP		Increase setting value (+1) from current setting
	1-13-5-6			DN		Decrease setting value (-1) from current setting
			CR_OFFSET_G		0 ~ 100	Check Green Offset Value
				000 ~ 100		Set Blue Offset Value (0 ~ 100)
	1-13-5-7		CF_OFFSET_B_%1	UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting
			CR_OFFSET_B		0 ~ 100	Check Blue Offset Value
	1-13-6		CF_GO_RST			Reset the value of Gain/Offset
				0 ~ 2		Set Color Enhance Value (0 ~ 2)
			CF_CENHANCE_%1	UP		Increase setting value (+1) from current setting
	1-13-7			DN		Decrease setting value (-1) from current setting
			CR_CENHANCE		0 ~ 2	Check Color Enhance setting
				1		2X
	1-13-8		CF_CWSPEED_%1	2		3X
					1 ~ 2	Check Color Wheel Speed setting
			CR_CWSPEED			
	1-13-9		CF_FMODE_%1	0		Off
				1		On
			CR_FMODE		0 ~ 1	Check Film mode setting
	1-13-10			0		Off
			CF_EXBLACK_%1	1		On
			CR_FMODE		0 ~ 1	Check Extreme Black setting
			CF_DYNAMICBLACK_%1	0		Off
				1		On
			CR_DYNAMICBLACK		0 ~ 1	Check DynamicBlack™ setting
OUTPUT	2-1	C0F	CF_ASPECT_%1	1		Auto
				2		4:3
				3		16:9
				4		16:10
				5		Native
	2-2		CR_ASPECT		1 ~ 5	CheckAspect Ratio setting
				0		Off
				1		Zoom
				2		Crop
					0 ~ 2	Check Overscan setting
	2-3		CF_DZOOM_H_%1	50 ~ 400		Set H Digital Zoom Value (50 ~ 400)
				UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting
					50 ~ 400	Check H Digital Zoom value
	2-4		CF_DZOOM_V_%1	50 ~ 400		Set V Digital Zoom Value (50 ~ 400)
				UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting
					50 ~ 400	Check V Digital Zoom value
	2-5		CF_DSHIFT_H_%1	0 ~ 100		Set H Digital Shift Value (0 ~ 100)
				UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting
					0 ~ 100	Check H Digital Shift value
	2-6		CF_DSHIFT_V_%1	0 ~ 100		Set V Digital Shift Value (0 ~ 100)
				UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting
					0 ~ 100	Check V Digital Shift value
	2-7-1		CF_PCMODE_%1	0		Off
				1		On
					0~1	Check PC Mode setting
	2-7-2	C90 C91	CF_KYSTN_H_%1	0 ~ 200		Set H Keystone Value (0 ~ 40)
				UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting
						Check H Keystone value
	2-7-3	C8E C8F	CF_KYSTN_V_%1	0 ~ 200		Set V Keystone Value (0 ~ 40)
				UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting
						Check V Keystone value
	2-7-4		CF_WARP_PB_H_%1	0 ~ 100		Set H Pincushion Value (0 ~ 100)
				UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting
						Check H Pincushion value
	2-7-5		CF_WARP_PB_V_%1	0 ~ 100		Set V Pincushion Value (0 ~ 100)
				UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting
						Check V Pincushion value
	2-7-6-1		CF_WARP_TLC_X_%1	0 ~ 120		Set Top Left Corner X Value (0 ~ 120)
				UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting
					0 ~ 120	Check Top Left Corner X Value setting
	2-7-6-2		CF_WARP_TLC_Y_%1	0 ~ 80		Set Top Left Corner Y Value (0 ~ 80)
				UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting
					0 ~ 80	Check Top Left Corner Y Value setting
	2-7-6-3		CF_WARP_TRC_X_%1	0 ~ 120		Set Top Right Corner X Value (0 ~ 120)
				UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting
					0 ~ 120	Check Top Right Corner X Value setting
	2-7-6-4		CF_WARP_TRC_Y_%1	0 ~ 80		Set Top Right Corner Y Value (0 ~ 80)
				UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting
					0 ~ 80	Check Top Right Corner Y Value setting
	2-7-6-5		CF_WARP_BLC_X_%1	0 ~ 120		Set Bottom Left Corner X Value (0 ~ 120)
				UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting
					0 ~ 120	Check Bottom Left Corner X Value setting
	2-7-6-6		CF_WARP_BLC_Y_%1	0 ~ 80		Set Bottom Left Corner Y Value (0 ~ 80)
				UP		Increase setting value (+1) from current setting
				DN		Decrease setting value (-1) from current setting

		CR_WARP_BLC_Y		0 ~ 80	Check Bottom Left Corner Y Value setting
	2-7-6-7	CF_WARP_BRC_X_%1	0 ~ 120		Set Bottom Right Corner X Value (0 ~ 120)
			UP		Increase setting value (+1) from current setting
			DN		Decrease setting value (-1) from current setting
		CR_WARP_BRC_X		0 ~ 120	Check Bottom Right Corner X Value setting
	2-7-6-8	CF_WARP_BRC_Y_%1	0 ~ 80		Set Bottom Right Corner Y Value (0 ~ 80)
			UP		Increase setting value (+1) from current setting
			DN		Decrease setting value (-1) from current setting
		CR_WARP_BRC_Y		0 ~ 80	Check Bottom Right Corner Y Value setting
	2-7-7	CF_WARP_RESET			Reset the Keystone / 4-Corner value
	2-8-1	CF_PIPMODE_%1	0		Off
			1		On
		CR_PIPMODE			Check PIP/PBP Enable setting
	2-8-2	CF_PIPMAININP_%1	1		VGA
			2		HDMI
			3		DVI-D
			4		HDBaseT
			5		LAN
			6		3G-SDI
		CR_PIPMAININP		1 ~ 6	Check Main Source setting
	2-8-3	CF_PIPSUBINP_%1	1		VGA
			2		HDMI
			3		DVI-D
			4		HDBaseT
			5		LAN
			6		3G-SDI
		CR_PIPSUBINP		1 ~6	Check Sub Source setting
	2-8-4	CF_PIPSWAP			Execute PIP/PBP Swap
	2-8-5	CF_PIPSIZE SUB_%1	1		Small
			2		Medium
			3		Large
		CR_PIPSIZE SUB		1 ~ 3	Check PIP Size setting
	2-8-6	CF_PIPPOSITION_%1	1		PBP, Main Left
			2		PBP, Main Top
			3		PBP, Main Right
			4		PBP, Main Bottom
			5		PIP-Bottom Right
			6		PIP-Bottom Left
			7		PIP-Top Left
			8		PIP-Top Right
		CR_PIPPOSITION		1 ~ 13	Check Layout setting
SETUP	3-1	CF_LANG_%1	ENG		English
			FRA		French
			ESP		Spanish
			DEU		German
			ITA		Italian
			RUS		Russian
			SCH		Chinese Simplified
			JPN		Japanese
			KOR		Korean
			POR		Portuguese
			INA		Indonesian
			NED		Dutch
			ARA		Arabic
		CR_LANG		ENG, FRA,	Check Language setting
	3-2	CF_CEIL_%1	0		Off
			1		On
			2		Auto
		CR_CEIL		0 ~ 2	Check Ceiling setting
	3-3	CF_REAR_%1	0		Off
			1		On
		CR_REAR		0 ~ 1	Check Rear setting
	3-4-1	C4B			Focus in - motor go step
		C4D			Focus in - motor run
		C4A			Focus out - motor go step
		C4C			Focus out - motor run
	3-4-2	C46			Zoom in - motor go step
		C48			Zoom in - motor run
		C47			Zoom out - motor go step
		C49			Zoom out - motor run
	3-4-3	C5D			Left shift up - motor go step
		C63			Left shift up - motor run
		C5E			Left shift down - motor go step
		C64			Left shift down - motor run
		C60			Left shift right - motor go step
		C66			Left shift right - motor run
		C5F			Left shift left - motor go step
		C65			Left shift left - motor run
	3-4-4	C61			Execute Lens Calibration
	3-4-5	CF_LENSLOCK_%1	0		No
			1		Yes
		CR_LENSLOCK	0 ~ 1		Check Lens Lock setting
	3-5-1	CF_MENU TRANS_%1	0 ~ 9		Set Menu Transparency value (0 ~ 9)
			CR_MENU TRANS	0 ~ 9	Check Menu Transparency setting
	3-5-2	CF_DISP_%1	0		Off
			1		On
		CR_DISP		0 ~ 1	Check Show Messages setting
	3-6	CF_KEYLIGHT_%1	0		Off
			1		On
		CR_KEYLIGHT		0 ~ 1	CheckKey Light setting
	3-7-1	CF_PJPINCODE_%1	00000 ~ 99999		Execute PIN Protect with code. (PIN Protect function is toggled.)
	3-7-2	CF_PJPINCODECHANGE_%1_%2	%1= Old PIN %2= New PIN (00000 ~ 99999)		Change PIN CODE setting (%1 = Current PIN Code, %2 = New PIN Code)
	3-8-1-1	CF_DHCP_%1	0		Off
			1		On
		CR_DHCP		0 ~ 1	Check LAN DHCP setting
	3-8-2-2	CF_IPADDRESS_%1	xxx.xxx.xxx.xxx		Set LAN IP Address
			CR_IPADDRESS	xxx.xxx.xxx.xxx	Check LAN IP Address setting

	3-8-2-3		CF_SUBNET_%1	xxx.xxx.xxx.xxx		Set LAN Subnet setting
			CR_SUBNET		xxx.xxx.xxx.xxx	Check LAN Subnet setting
	3-8-2-4		CF_GATEWAY_%1	xxx.xxx.xxx.xxx		Set LAN Gateway setting
			CR_GATEWAY		xxx.xxx.xxx.xxx	Check LAN Gateway setting
	3-8-2-5		CR_MACADDRESS		xx-xx-xx-xx-xx-xx	Check LAN MAC Address setting
	3-8-2-6		CF_LANSETAPPLY			Save LAN setting
	3-8-3-1		CF_WLAN_%1			Set WLAN Enable
	3-8-3-2		CF_WLAN_STARTIP_%1	xxx.xxx.xxx.xxx		Set WLAN Start IP Address
			CR_WLAN_STARTIP		xxx.xxx.xxx.xxx	Check WLAN Start IP Address setting
	3-8-3-3		CF_WLAN_ENDIP_%1	xxx.xxx.xxx.xxx		Set WLAN End IP Address
			CR_WLAN_ENDIP		xxx.xxx.xxx.xxx	Check WLAN End IP Address setting
	3-8-3-4		CF_WLAN_SUBNET_%1	xxx.xxx.xxx.xxx		Set WLAN Subnet setting
			CR_WLAN_SUBNET		xxx.xxx.xxx.xxx	Check WLAN Subnet setting
	3-8-3-5		CF_WLAN_GATEWAY_%1	xxx.xxx.xxx.xxx		Set WLAN Gateway setting
			CR_WLAN_GATEWAY		xxx.xxx.xxx.xxx	Check WLAN Gateway setting
	3-8-3-6		CR_WLAN_MACADDRESS		xx-xx-xx-xx-xx-xx	Check WLAN MAC Address setting
	3-8-3-7		CR_WLAN_SSID			Check WLAN SSID setting
	3-8-4-1		CR_NET_PJNAME			Check Network PJ Name setting
	3-8-4-2		CF_NET_RESET			Restart Network
	3-8-4-3		CF_NET_FACTORY_RESET			Factory Reset Network setting
	3-8-5		CF_BAUDRATE_%1	1		9600
				2		14400
				3		19200
				4		38400
				5		57600
				6		115200
			CR_BAUDRATE		1 ~ 6	Check Serial Port Baud Rate setting
	3-8-6		CF_SERIALPATH_%1	1		RS232
				2		HDBaseT
			CR_SERIALPATH		1 ~ 2	Check Serial Port Path setting
	3-8-7		CF_PJIRADDRESS_%1	0 ~ 9		Set Projector Address
					0 ~ 9	Check Projector Address setting
	3-8-8-1		CF_IRFRONT_%1	0		Off
				1		On
			CR_IRFRONT		0 ~ 1	Check Front IR setting
	3-8-8-2		CF_IRTOP_%1	0		Off
				1		On
			CR_IRTOP		0 ~ 1	Check Top IR setting
	3-8-8-3		CF_IRHDBT_%1	0		Off
				1		On
			CR_IRHDBT		0 ~ 1	Check HDBase-T IR setting
OPTION	4-1		CF_AUTOSRC_%1	0		Off
				1		On
			CR_AUTOSRC		0 ~ 1	Check Auto Source setting
	4-2		CF_ALTITUDE_%1	0		Off
				1		On
			CR_ALTITUDE		0 ~ 1	Check High Altitude setting
	4-3		CF_TESTPAT_%1	0		Off
				1		Grid
				2		Red
				3		Green
				4		Blue
				5		Yellow
				6		Magenta
				7		Cyan
				8		White
				9		Black
			CR_TESTPAT		0 ~ 9	Check Test Pattern setting
	4-4		CF_BACKGND_%1	1		Logo
				2		Blue
				3		Black
			CR_BACKGND	4		White
					1 ~ 4	Check Background color setting
	4-5		CF_HOTKEY_%1	1		Blank Screen
				2		Aspect Ratio
				3		Freeze Screen
			CR_HOTKEY	4		Overscan
					1 ~ 4	Check Hot-Key setting
	4-6-1		CF_ECONETWORK_%1	1		0.5W mode
				0		Communication mode
			CR_ECONETWORK		0 ~ 1	Check Stand-by Network setting
	4-6-2	C29	CF_AUTOPOWERON	0		Off
		C28		1		On
			CR_AUTOPOWERON		0 ~ 1	Check Direct Power On setting
	4-6-3		CF_AUTOPOWEROFF_%1	0		No
				1		5 Mins
				2		10 Mins
				3		15 Mins
				4		20 Mins
				5		25 Mins
				6		30 Mins
			CR_AUTOPOWEROFF		0 ~ 6	Check Auto Power Off setting
	4-6-4		CF_SLEEP_%1	0		No
				1		2 Hours
				2		4 Hours
			CR_SLEEP	3		6 Hours
					0 ~ 3	Check Sleep Timer setting
	4-7-1		CF_AUTOLAMPCONTROL_%1	2		Constant Power
				3		Constant Luminance
				1		Eco Mode
			CR_AUTOLAMPCONTROL		0~2	Check Light Source Mode setting
	4-7-2		CF_LAMPPOWER_%1			Set Constant Power Settings Value (0 ~ 99)
			CR_LAMPPOWER		0~99	Check Constant Power Settings Value
	4-7-3		CR_PJTIME			Set Constant Luminance Settings Value (0 ~ 99)
	4-8		CF_LIGHTSENSCALI			Check Constant Luminance Settings Value
				1		Check Total Projector Hours
				2		Execute Light Sensor Calibration
			CR_LIGHTSENSCALI		0~2	Check Light Senor Calibration is done 0 = No 1 = Yes

4-9-1		CR_MODELNAME			Check Model Name
4-9-2		CR_SERIALNO			Check Serial Number
4-9-3		CR_NRESOLUTION			Check Native Resolution
4-9-4		CR_SWVER			Check Software Version
4-9-5	CR1				Check Main Input source
4-9-6		CR_RESOLUTION			Check Main Resolution
4-9-7		CR_SYSTEM			Check Main Signal Format
4-9-8		CR_PIXELCLK			Check Main Pixel Clock
4-9-9		CR_REFRESH		%1 %2	Check Main H/V Refresh Rate
4-9-10				(%1 = H freq. %2 = V freq.)	
4-9-11		CR_PIPSUBINP			Check Sub Input source
4-9-12		CR_SUB_RESOLUTION			Check Sub Resolution
4-9-13		CR_SUB_SYSTEM			Check Sub Signal Format
4-9-14		CR_SUB_PIXELCLK			Check Sub Pixel Clock
4-9-15		CR_SUB_REFRESH		%1 %2	Check Sub H/V Refresh Rate
4-9-16				(%1 = H freq. %2 = V freq.)	
4-9-17		CR_AUTOLAMPCONTROL			Check Light Source Mode
4-9-18		CR_PJTIME			Check Total Projector Hours
4-9-19		CR_ECONETWORK			Check Stand-by Network setting
4-9-20		CR_IPADDRESS			Check LAN IP Address setting
4-9-21		CR_DHCP			Check LAN DHCP setting
4-9-22		CF_FACTORY_RESET			Execute Factory Reset

Other	A-1	C00			Power On
	A-2	C01			Power Off
	A-3	C0D			Shutter Close
	A-4	C0E			Shutter Open
	A-5	C43			Freeze On
	A-6	C44			Freeze Off
	A-7	CR0			Projector Status 1 = Stand-by 2 = Warming Up 4 = Serching Source 7 = Display Source 12 = Cooling
	A-8		CR_ALLPFAIL		

Remote Control Button	B-1	C00			Power ON
	B-2	C02			POWER OFF
	B-3		CF_KYBTN1		1
	B-4		CF_KYBTN2		2
	B-5		CF_KYBTN3		3
	B-6		CF_KYBTN4		4
	B-7		CF_KYBTN5		5
	B-8		CF_KYBTN6		6
	B-9		CF_KYBTN7		7
	B-10		CF_KYBTN8		8
	B-11		CF_KYBTN9		9
	B-12		CF_KYINFO		Info
	B-13		CF_KYBTN0		0
	B-14	C27			Mode
	B-15	C89			Auto
	B-16		CF_KYSRC		Source
	B-17	C3C			Up
	B-18	C3B			Left
	B-19	C3F			Enter
	B-20	C3A			Right
	B-21	C3D			Down
	B-22	C1C			Menu
	B-23		CF_KYEXIT		Exit
	B-24		CF_KYGAMMA		Gamma
	B-25		CF_KYBRIGHT		Bright
	B-26		CF_KYCONT		Cont.
	B-27		CF_KYPIP		PIP
	B-28	C5F			Lens H (Left)
	B-29	C60			Lens H (Right)
	B-30	C4A			Focus (Up)
	B-31	C5D			Lens V (Up)
	B-32	C5E			Lens V (Down)
	B-33	C4B			Focus (Down)
	B-34	C91			Keystone H (Left)
	B-35	C90			Keystone H (Right)
	B-36	C46			Zoom (Up)
	B-37	C8E			Keystone V (Up)
	B-38	C8F			Keystone V (Down)
	B-39	C47			Zoom (Down)
	B-40		CF_KYSHUTTER		Shutter (AV Mute)
	B-41		CF_KYHOTKEY		Hot Key
	B-42		CF_KYTESTPAT		Pattern