

RS232C Command List for EK-623U

2018/4/23
Ver 1.01

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:	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

OSD Menu				Item	EIKI Format B (Expand)			Note
1st level	2nd level	3rd level	4th level		Commands	Parameter (%1=)	Read Command	
Picture	Display Mode	Bright		1-1	CF_IMAGE_%1	1	CR_IMAGE	
		Presentation				2		
		Movie				3		
		sRGB				4		
		Blending				5		
		DICOM SIM.				6		
		User				7		
	Wall color	White		1-2	CF_WALLCOLOR_%1	1	CR_WALLCOLOR	
		Gray 130				2		
	Brightness			1-3	CF_BRIGHT_%1	0 ~ 100 UP DN	CR_BRIGHT	Set Bright Value (0 ~ 100) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting
	Contrast			1-4	CF_CONT_%1	0 ~ 100 UP DN	CR_CONT	Set Contrast Value (0 ~ 100) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting
	Sharpness			1-5	CF_SHARP_%1	0 ~ 10 UP DN	CR_SHARP	Set Sharp Value (0 ~ 100) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting
	Color			1-6	CF_COLOR_%1	0 ~ 100 UP DN	CR_COLOR	Set Color Value (0 ~ 100) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting
	Tint			1-7	CF_TINT_%1	0 ~ 100 UP DN	CR_TINT	Set Tint Value (0 ~ 100) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting
	Gamma	Video		1-8	CF_GAMMA_%1	1	CR_GAMMA	
Film		2						
Bright		3						
White Peaking	CRT		1-9	CF_WPEAK_%1	4	CR_WPEAK		
	DICOM				5			
Color Temperature	Warm		1-10	CF_COLTEMP_%1	0 ~ 100 UP DN	CR_COLTEMP		
	Bright				1			
	Cool				2			
Color Wheel Speed	2X		1-11	CF_CWSPEED_%1	3	CR_CWSPEED		
	3X				1			
HSG Adjustment	Red	Hue	1-12-1-1	CF_CM_RH_%1	1~199 UP DN	CR_CM_RH	Set Red Hue Value (1 ~ 199) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting	
		Saturation	1-12-1-2	CF_CM_RS_%1	0 ~ 199 UP DN	CR_CM_RS	Set Red Saturant Value (0 ~ 199) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting	
		Gain	1-12-1-3	CF_CM_RG_%1	1~199 UP DN	CR_CM_RG	Set Red Gain Value (1 ~ 199) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting	
		Green	Hue	1-12-2-1	CF_CM_GH_%1	1~199 UP DN	CR_CM_GH	Set Green Hue Value (1 ~ 199) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting
			Saturation	1-12-2-2	CF_CM_GS_%1	0 ~ 199 UP DN	CR_CM_GS	Set Green Saturant Value (0 ~ 199) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting
			Gain	1-12-2-3	CF_CM_GG_%1	1~199 UP DN	CR_CM_GG	Set Green Gain Value (1 ~ 199) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting
	Blue	Hue	1-12-3-1	CF_CM_BH_%1	1~199 UP DN	CR_CM_BH	Set Blue Hue Value (1 ~ 199) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting	
		Saturation	1-12-3-2	CF_CM_BS_%1	0 ~ 199 UP DN	CR_CM_BS	Set Blue Saturant Value (0 ~ 199) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting	
		Gain	1-12-3-3	CF_CM_BG_%1	1~199 UP DN	CR_CM_BG	Set Blue Gain Value (1 ~ 199) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting	
	Cyan	Hue	1-12-4-1	CF_CM_CH_%1	1~199 UP DN	CR_CM_CH	Set Cyan Hue Value (1 ~ 199) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting	
		Saturation	1-12-4-2	CF_CM_CS_%1	0 ~ 199 UP DN	CR_CM_CS	Set Cyan Saturant Value (0 ~ 199) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting	
		Gain	1-12-4-3	CF_CM_CG_%1	1~199 UP DN	CR_CM_CG	Set Cyan Gain Value (1 ~ 199) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting	
		Magenta	Hue	1-12-5-1	CF_CM_MH_%1	1~199 UP DN	CR_CM_MH	Set Magenta Hue Value (1 ~ 199) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting
			Saturation	1-12-5-2	CF_CM_MS_%1	0 ~ 199 UP DN	CR_CM_MS	Set Magenta Saturant Value (0 ~ 199) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting
			Gain	1-12-5-3	CF_CM_MG_%1	1~199 UP DN	CR_CM_MG	Set Magenta Gain Value (1 ~ 199) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting
	Yellow	Hue	1-12-6-1	CF_CM_YH_%1	1~199 UP DN	CR_CM_YH	Set Yellow Hue Value (1 ~ 199) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting	
		Saturation	1-12-6-2	CF_CM_YS_%1	0 ~ 199 UP DN	CR_CM_YS	Set Yellow Saturant Value (0 ~ 199) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting	
		Gain	1-12-6-3	CF_CM_YG_%1	1~199 UP DN	CR_CM_YG	Set Yellow Gain Value (1 ~ 199) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting	
	White Gain	Red	1-12-7-1	CF_CM_WH_%1	1~199 UP DN	CR_CM_WH	Set White Hue Value (1 ~ 199) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting	
		Green	1-12-7-2	CF_CM_WS_%1	1~199 UP DN	CR_CM_WS	Set White Saturant Value (1 ~ 199) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting	
		Blue	1-12-7-3	CF_CM_WG_%1	1~199 UP DN	CR_CM_WG	Set White Gain Value (1 ~ 199) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting	
	Contrast Enhancement	Reset to Default		1-12-8	CF_CMDEFAULT_RST	UP DN		Reset the value of HSG setting
		Off				0		
		Dynamic Black				1		CR_DYNAMICBLACK
Color Space	Extreme Black		1-14	CF_COLORSPACE_%1	2	CR_COLORSPACE		
	Auto				1			
	RGB (0-255)				2			
	RGB (16-235)				3			
Save to User	YUV		1-15	CF_IMAGE_SAVE	4			
	Yes/No							
Picture	Aspect Ratio	Auto		2-1	CF_ASPECT_%1	1	CR_ASPECT	
		4:3				2		
		16:9				3		
		16:10				4		
		Native				5		
	Pixel Phase			2-2	CF_PHASE_%1	0 ~ 100 UP DN	CR_PHASE	Set Phase Value (0 ~ 100) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting
	Pixel Track			2-3	CR_FREQ_%1	0 ~ 100 UP DN	CR_FREQ	Set Frequency Value (0 ~ 100) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting
	Horz Position			2-4	CF_HPOS_%1	0 ~ 100 UP DN	CR_HPOS	Set Horizontal Position Value (0 ~ 100) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting
	Vert Position			2-5	CF_VPOS_%1	0 ~ 100 UP DN	CR_VPOS	Set Vertical Position Value (0 ~ 100) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting
	Digital Horz Zoom			2-6	CF_DZOOM_H_%1	0 ~ 10 UP DN	CR_DZOOM_H	Set H Digital Zoom Value (0 ~ 10) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting
	Digital Vert Zoom			2-7	CF_DZOOM_V_%1	0 ~ 10 UP DN	CR_DZOOM_V	Set V Digital Zoom Value (0 ~ 10) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting
	Digital Horz Shift			2-8	CF_DSHIFT_H_%1	0 ~ 100 UP DN	CR_DSHIFT_H	Set H Digital Shift Value (0 ~ 100) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting

Screen	Digital Vert Shift		2-9		CF_DSHIFT_V_%1	0 ~ 100 UP DN	CR_DSHIFT_V	Set V Digital Shift Value (0 ~ 100) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting		
	Ceiling Mount	Off On Auto	2-10		CF_CEIL_%1	0 1 2	CR_CEIL			
	Rear Projection	Off On	2-11		CF_REAR_%1	0 1	CR_REAR			
	Geometric Correction	H. Keystone		2-12-1	C90 C91	CF_KYSTN_H_%1	0~40 UP DN	CR_KYSTN_H	Set H Keystone Value (0 ~ 40) Increase setting value (+1) from current setting Decrease setting value (-1) from current setting	
			V. Keystone			2-12-2	C8E C8F	CF_KYSTN_V_%1	0~40 UP DN	CR_KYSTN_V
		4-corner	Top Left Horz Adjust		2-12-3-1		CF_WARP_TLC_X_%1	UP DN		Increase setting value (+1) from current setting Decrease setting value (-1) from current setting
			Top Left Vert Adjust		2-12-3-2		CF_WARP_TLC_Y_%1	UP DN		Increase setting value (+1) from current setting Decrease setting value (-1) from current setting
			Top Right Horz Adjust		2-12-3-3		CF_WARP_TRC_X_%1	UP DN		Increase setting value (+1) from current setting Decrease setting value (-1) from current setting
			Top Right Vert Adjust		2-12-3-4		CF_WARP_TRC_Y_%1	UP DN		Increase setting value (+1) from current setting Decrease setting value (-1) from current setting
			Bottom Left Horz Adjust		2-12-3-5		CF_WARP_BLC_X_%1	UP DN		Increase setting value (+1) from current setting Decrease setting value (-1) from current setting
			Bottom Left Vert Adjust		2-12-3-6		CF_WARP_BLC_Y_%1	UP DN		Increase setting value (+1) from current setting Decrease setting value (-1) from current setting
		Bottom Right Horz Adjust		2-12-3-7		CF_WARP_BRC_X_%1	UP DN		Increase setting value (+1) from current setting Decrease setting value (-1) from current setting	
		Bottom Right Vert Adjust		2-12-3-8		CF_WARP_BRC_Y_%1	UP DN		Increase setting value (+1) from current setting Decrease setting value (-1) from current setting	
		Grid Color	GREEN Purple	2-12-4		CF_GRIDCOLOR_%1	1 2	CR_GRIDCOLOR		
		Reset	Yes/No	2-12-5		CF_WARP_RST			Reset the Keystone / 4-Corner value	
	PIP-PBP	PIP / PBP Enable	Off PBP PIP	2-13-1		CF_PIPMODE_%1	0 1 2	CR_PIPMODE		
		Main Source	VGA	2-13-2	C05 C36 C37 C38 C52	CF_PIPMAININP_%1	1 2 3 4 5	CR_PIPMAININP (CR1)		
			HDMI-1							
			HDMI-2							
			DVI							
			HDBaseT							
		Sub Source	VGA	2-13-3		CF_PIPSUBINP_%1	1 2 3 4 5	CR_PIPSUBINP		
			HDMI-1							
			HDMI-2							
		Layout	Top Left	2-13-4		CF_PIPPOSITION_%1	1 2 3 4	CR_PIPPOSITION		
Top Right										
Bottom Left										
Bottom Right										
Size	small	2-13-5		CF_PIPSIZESSUB_%1	1 2 3	CR_PIPSIZESSUB				
	Medium									
Swap		2-13-6		CF_PIPSWAP			Execute PIP/PBP Swap			
Source key	Change Sources	2-14		CF_AUTOSRC_%1	1 2 3	CR_AUTOSRC				
	List all Sources									
Auto Image	Auto Source	2-15		CF_AUTOIMG_%1	1 2	CR_AUTOIMG				
	Normal									
Source Info	Wide	2-16-1	CR1							
	Active Source		2-16-2				CR_SIGNFORMAT			
	Signal Format		2-16-3				CR_ASPRATIO			
	Aspect Ratio		2-16-4				CR_RESOLUTION			
	Resolution		2-16-5							
	Vert Refresh		2-16-6				CR_REFRESH			
	Horz Refresh		2-16-7				CR_PIXELCLK			
	Pixel Clock		2-16-8				CR_SYNCTYPE			
	Sync Type		2-16-9				CR_CLRSRSPACE			
	Color Space		2-16-10				CR_PIPMODE			
	PIP/PBP (When PIP/PBP active)		2-16-11				CR_PIPSUBINP CR_SUBSIGNFORMAT CR_SUBASPRATIO CR_SUBRESOLUTION CR_SUBREFRESH CR_SUBPIXELCLK CR_SUBSYNCTYPE CR_SUBCLRSRSPACE			
<PIP/PBP source lines> (When PIP/PBP active)										
Settings	Language	English	3-1		CF_LANG_%1	ENG SCH FRA DEU ITA JPN KOR RUS ESP NED POR INA ARA	CR_LANG			
		Simplified Chinese								
		French								
		German								
		Italian								
		Japanese								
		Korean								
		Russian								
		Spanish								
		Dutch								
		Portuguese								
Menu Location	Left Top	3-2		CF_MENULOCATION_%1	1 2 3 4 5	CR_MENULOCATION				
	Right Top									
	Center									
Standby Power Mode	Left Bottom	3-3		CF_ECONETWORK_%1	1 2	CR_ECONETWORK				
	Right Bottom									
Test Pattern	0.5W mode	3-4		CF_TESTPAT_%1	0 1 2 3 4 5	CR_TESTPAT				
	Communication mode									
	None									
	Grid									
	White									
Direct Power On	Black	3-5	C29 C28	CF_AUTOPOWERON	0 1	CR_AUTOPOWERON				
	Checkerboard									
Hot-Key settings	Color Bars	3-6		CF_HOTKEY_%1	1 2 3 4	CR_HOTKEY				
	Off									
	On									
Light source	Blank Screen	3-7		CF_FACTORY_RESET						
	Aspect Ratio									
	Freeze Screen (Note01)									
	Projector Info									
Light Source Mode	Yes/No	4-1		CF_AUTOLAMPCONTROL_%1	1 2 3 4	CR_AUTOLAMPCONTROL				
	Constant Power									
	Constant Intensity									
	ECO 1									
Light Source Info	ECO 2	4-2		CF_LAMPPower_%1	0 to 99 (30% to 100%)	CR_LAMPPower				
	0 to 99									
	Total Projector Hours		4-3				CR_PJTIME			
Lens Function	LD Hours	4-4				CR_LIGHTTIME				
	Background color	Logo	5-1		CF_BACKGND_%1	1 2 3 4	CR_BACKGND			
		Blue								
		Black								
		White								
	Focus	Auto shutdown	5-2		CF_AUTOPOWEROFF_%1	0~120 (one step: 5 mins)	CR_AUTOPOWEROFF			
		Sleep Timer	5-3		CF_SLEEP_%1	0~990 (one step: 10 mins)	CR_SLEEP			
		Zoom	C4B	5-4-1	C4D C4A C4C				Focus in - motor go step Focus in - motor run Focus out - motor go step Focus out - motor run	
			C46		5-4-2	C48 C47 C49			Zoom in - motor go step Zoom in - motor run Zoom out - motor go step Zoom out - motor run	
			C5D						Left shift up - motor go step Left shift up - motor run Left shift down - motor go step Left shift down - motor run	
			C63						Left shift right - motor go step Left shift right - motor run Left shift left - motor go step Left shift left - motor run	
Lens Shift		C5E	5-4-3	C64 C60 C66 C5F C65						
		C64								
		C60								
		C66								
Lens Lock	On Off	5-4-4		CF_LENSLOCK_%1	1 0	CR_LENSLOCK				
Lens Calibration		5-4-5	C61				Execute Lens Calibration			

Options	High Altitude	Off On		5-5	CF_ALTITUDE_%1	0 1	CR_ALTITUDE		
	PIN	PIN protect	Off On	5-6-1	CF_PJPINCODE_%1	0 1			
		Change PIN		5-6-2	CF_PJPINCODECHANGE_%1_%2	%1= Old PIN %2= New PIN (00000 ~ 99999)		Change PIN Code	
	Remote Settings	Top	Off On	5-7-1	CF_IRREMOTE_TOP_%1	0 1	CR_IRREMOTE_TOP		
		Front	Off On	5-7-2	CF_IRREMOTE_FRONT_%1	0 1	CR_IRREMOTE_FRONT		
		HDBaseT	Off On	5-7-3-1	CF_IRREMOTE_HDBASET_%1	0 1	CR_IRREMOTE_HDBASET		
		Projector Address	0 ~ 9	5-7-3-2	CF_PJIRADDRESS_%1	0 ~ 9	CR_PJIRADDRESS		
	Show message	Off On		5-8	CF_DISP_%1	0 1	CR_DISP		
	LED settings	Keypad LED	On Off	5-9-1	CF_KEYLIGHT_%1	0 1	CR_KEYLIGHT		
		Status LED	On Off	5-9-2	CF_STATLED_%1	0 1 2	CR_STATLED		
			Warnings/Errors Only						
	Information	Model Name		5-10-1			CR_MODELNAME		
		Serial Number		5-10-2			CR_SERIALNO		
		Native Resolution		5-10-3			CR_NRESOLUTION		
		MCU FW		5-10-4			CR_FWVER1		
		DDP FW		5-10-5			CR_FWVER2		
		M9813 FW		5-10-6			CR_FWVER3		
		Motor FW		5-10-7			CR_FWVER4		
		ext flash FW		5-10-8			CR_FWVER5		
		Main Input		5-10-9	CR1				
		Main Signal Format		5-10-10			CR_SIGNFORMAT		
		Main Pixel Clock		5-10-11			CR_PIXELCLK		
		Main Sync Type		5-10-12			CR_SYNCTYPE		
		Main Horz Refresh		5-10-13					
		Main Vert Refresh		5-10-14			%1 %2 (%1 = H freq. %2 = V freq.)	CR_REFRESH	
		PIP/PBP Input		5-10-15				CR_PIPSUBINP	
		PIP/PBP Signal Format (note 9)		5-10-16				CR_SUBSIGNFORMAT	
		PIP/PBP Pixel Clock (note 9)		5-10-17				CR_SUB_PIXELCLK	
		PIP/PBP Sync Type (note 9)		5-10-18				CR_SUB_SYNCTYPE	
		PIP/PBP Horz Refresh (note 9)		5-10-19			%1 %2 (%1 = H freq. %2 = V freq.)	CR_SUB_REFRESH	
		PIP/PBP Vert Refresh (note 9)		5-10-20					
		Light Source Power		5-10-21				CR_LAMPPOWER	
		Total Projector Hours		5-10-22				CR_PJTTIME	
		Light Source Hours		5-10-23				CR_LIGHTTIME	
		Standby Mode		5-10-24				CR_ECONETWORK	
Lens Lock Settings			5-10-25				CR_LENSLOCK		
IP Address			5-10-26				CR_IPADDRESS		
DHCP			5-10-27				CR_DHCP		
System Temperature			5-10-28						
3D	3D	Auto On	6-1	CF_3D-MODE_%1	1 2	CR_3D-MODE			
	3D Invert	Off On	6-2	CF_3D-INVERT_%1	0 1	CR_3D-INVERT			
	3D Format	Frame Packing		6-3	CF_3D-FORMAT_%1	1 2 3 4	CR_3D-FORMAT		
		Side-by-Side (Half)							
		Top and Bottom							
		Frame Sequential							
	1080p @ 24	96Hz 144Hz	6-4	CF_3D-1080P_%1	1 2	CR_3D-1080P			
	3D sync out	To Emitter To Next Projector	6-5	CF_SYNCOUT_%1	1 2	CR_SYNCOUT			
Frame Delay		6-6	CF_FRAMEDelay_%1	1~200 UP DN	CR_FRAMEDelay				
L/R Reference	1ST Frame Field GPIO	6-7	CF_LR-REF_%1	1 2	CR_LR-REF				
DLP Link	On Off	6-8	CF_DLPLINK_%1	1 0	CR_DLPLINK				
Communications	LAN	DHCP	On Off	7-1-1	CF_DHCP_%1	1 0	CR_DHCP		
		IP Address		7-1-2	CF_IPADDRESS_%1	xxx.xxx.xxx.xxx	CR_IPADDRESS		
		Subnet Mask		7-1-3	CF_SUBNET_%1	xxx.xxx.xxx.xxx	CR_SUBNET		
		Default Gateway		7-1-4	CF_GATEWAY_%1	xxx.xxx.xxx.xxx	CR_GATEWAY		
		MAC Address		7-1-5			CR_MACADDRESS		
	Network	Apply	Command	7-1-6	CF_LANSETAPPLY				
		Projector Name		7-2-1			CR_NET_PJNAME		
		Show Network Messages	On Off	7-2-2	CF_NETMESG_%1	1 0	CR_NETMESG		
		Restart Network	Command	7-2-3	CF_NET_RESET			Execute Restart Network	
	Serial Port Baud Rate	Network Factory Reset	Command	7-2-4	CF_NET_FACTORY_RESET			Execute Network Factory Reset	
			1200		7-3	CF_BAUDRATE_%1	1 2 3 4 5 6 7 8 9	CR_BAUDRATE	
			2400						
			4800						
			9600						
			14400						
			19200						
			38400						
57600									
115200									
Serial Port Echo	Off On	7-4	CF_SERIALECHO_%1	0 1	CR_SERIALECHO				
Serial Port Path	RS232		7-5	CF_SERIALPATH_%1	1 2	CR_SERIALPATH			
	HDBaseT								

Category	Item	EIKIK Format A (Standard) Commands	EIKI Format B (Expand)			Note
			Commands	Parameter (%1=)	Read Command	
Other	A-1	C00				Power Off
	A-2	C01				Power On
	A-3	C0D				Shutter Close
	A-4	C0E				Shutter Open
	A-5	C43				Freeze On
	A-6	C44				Freeze Off
	A-7	CR0				Reply code [%1] 1 = Stand-by 2 = Warming up 4 = Sercing Source 7 = Display source 12 = Cooling
	A-8		CF_LNS_INSTALL_%1	1 2 3 4 5 6 0	CR_LNS_INSTALL	Execute UST Lens Installation procedure
	A-9		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