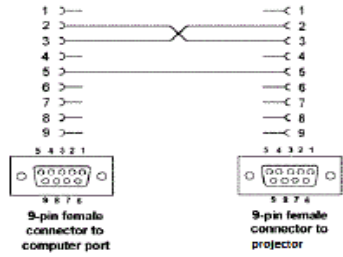


## NERO4 4K\_RS232 commands referred to soft C15

RS232 cable should use swapped female.



Transfer Rate	19200 bps
Data Bits	8
Parity Bit	None
Stop Bit	1
Flow Control	None

### Operation Commands

	Function	Range	Action	Command	Response	
					Pass	Fail
	Power On		Set	BE EF 02 06 00 80 E5 49 01 00 00 00 00	06	15
	Power Off		Set	BE EF 02 06 00 B3 E5 4A 01 00 00 00 00	06	15
Direct Source Commands	HDMI1		Set	BE EF 02 06 00 D5 E5 4C 01 00 00 00 00	06	15
	HDMI2		Set	BE EF 02 06 00 04 E4 4D 01 00 00 00 00	06	15
	HDMI3		Set	BE EF 02 06 00 08 EA 01 01 00 00 00 00	06	15
	VGA		Set	BE EF 02 06 00 62 E4 4B 01 00 00 00 00	06	15
	DisplayPort		Set	BE EF 02 06 00 3B EA 02 01 00 00 00 00	06	15
Display Mode	Dynamic		Set	BE EF 02 06 00 EA EB 03 01 00 00 00 00	06	15
	Bright		Set	BE EF 02 06 00 9B F2 A2 01 00 00 00 00	06	15
	Cinema		Set	BE EF 02 06 00 A8 F2 A1 01 00 00 00 00	06	15
	Sport		Set	BE EF 02 06 00 5D EA 04 01 00 00 00 00	06	15
	Natural		Set	BE EF 02 06 00 8C EB 05 01 00 00 00 00	06	15
Noise Reduction		n = 0 - 3	Increment	BE EF 1A 0C 00 B1 72 1C 00 02 00 00 00 00 00 00 00 00	20 XX XX	15
			Decrement	BE EF 1A 0C 00 74 23 1C 00 03 00 00 00 00 00 00 00 00	20 XX XX	15
			Get	BE EF 1A 0C 00 BE 82 1C 00 01 00 00 00 00 00 00 00 00	20 XX XX	15
Dynamic Range	Auto		Set	BE EF 02 06 00 CE F2 A7 01 00 00 00 00	06	15
	SDR		Set	BE EF 02 06 00 31 F2 A8 01 00 00 00 00	06	15
	HDR1		Set	BE EF 02 06 00 E0 F3 A9 01 00 00 00 00	06	15
	HDR2		Set	BE EF 02 06 00 D3 F3 AA 01 00 00 00 00	06	15
	HDR3		Set	BE EF 02 06 00 02 F2 AB 01 00 00 00 00	06	15

	<b>HDR4</b>		Set	BE EF 02 06 00 B5 F3 AC 01 00 00 00 00	06	15
<b>Brightness</b>		n= -50 - +50	Increment	BE EF 1A 0C 00 5E A3 00 00 02 00 00 00 00 00 00 00 00	20 XX XX	15
			Decrement	BE EF 1A 0C 00 9B F2 00 00 03 00 00 00 00 00 00 00 00	20 XX XX	15
			Set	BE EF 1A 0C 00 crc crc 00 00 00 00 Data 00 00 00 00 00 00 00	20 XX XX	15
			Get	BE EF 1A 0C 00 51 53 00 00 01 00 00 00 00 00 00 00 00	20 XX XX	15
<b>Contrast</b>		n= -50 - +50	Increment	BE EF 1A 0C 00 9D 5E 01 00 02 00 00 00 00 00 00 00 00	20 XX XX	15
			Decrement	BE EF 1A 0C 00 58 0F 01 00 03 00 00 00 00 00 00 00 00	20 XX XX	15
			Set	BE EF 1A 0C 00 crc crc 01 00 00 00 Data 00 00 00 00 00 00 00	20 XX XX	15
			Get	BE EF 1A 0C 00 92 AE 01 00 01 00 00 00 00 00 00 00 00	20 XX XX	15
<b>Sharpness</b>		n= 1 - 15	Increment	BE EF 1A 0C 00 91 52 04 00 02 00 00 00 00 00 00 00 00	20 XX XX	15
			Decrement	BE EF 1A 0C 00 54 03 04 00 03 00 00 00 00 00 00 00 00	20 XX XX	15
			Get	BE EF 1A 0C 00 9E A2 04 00 01 00 00 00 00 00 00 00 00	20 XX XX	15
<b>Color</b>		n= -50 - +50	Increment	BE EF 1A 0C 00 5A A7 03 00 02 00 00 00 00 00 00 00 00	20 XX XX	15
			Decrement	BE EF 1A 0C 00 9F F6 03 00 03 00 00 00 00 00 00 00 00	20 XX XX	15
			Get	BE EF 1A 0C 00 55 57 03 00 01 00 00 00 00 00 00 00 00	20 XX XX	15
<b>Tint</b>		n= -50 - +50	Increment	BE EF 1A 0C 00 99 5A 02 00 02 00 00 00 00 00 00 00 00	20 XX XX	15
			Decrement	BE EF 1A 0C 00 5C 0B 02 00 03 00 00 00 00 00 00 00 00	20 XX XX	15
			Get	BE EF 1A 0C 00 96 AA 02 00 01 00 00 00 00 00 00 00 00	20 XX XX	15
<b>Gamma</b>	<b>Film</b>		Set	BE EF 1A 0C 00 4F E7 0B 00 00 00 00 00 00 00 00 00 00	20 XX XX	15
	<b>Video (2.6)</b>		Set	BE EF 1A 0C 00 83 26 0B 00 00 00 01 00 00 00 00 00 00	20 XX XX	15
	<b>Graphics</b>		Set	BE EF 1A 0C 00 96 66 0B 00 00 00 02 00 00 00 00 00 00	20 XX XX	15
	<b>Standard(2.2)</b>		Set	BE EF 1A 0C 00 A9 A6 0B 00 00 00 07 00 00 00 00 00 00	20 XX XX	15
	<b>1,8</b>		Set	BE EF 1A 0C 00 5A A7 0B 00 00 00 03 00 00 00 00 00 00	20 XX XX	15
	<b>2.0</b>		Set	BE EF 1A 0C 00 70 27 0B 00 00 00 05 00 00 00 00 00 00	20 XX XX	15
	<b>2,4</b>		Set	BE EF 1A 0C 00 25 27 0B 00 00 00 09 00 00 00 00 00 00	20 XX XX	15
<b>BrilliantColor™</b>		n= 1 - 10	Increment	BE EF 1A 0C 00 A5 66 13 00 02 00 00 00 00 00 00 00 00	20 XX XX	15
			Decrement	BE EF 1A 0C 00 60 37 13 00 03 00 00 00 00 00 00 00 00	20 XX XX	15
			Get	BE EF 1A 0C 00 AA 96 13 00 01 00 00 00 00 00 00 00 00	20 XX XX	15
<b>Color Temperature</b>	<b>D55</b>		Set	BE EF 1A 0C 00 11 DF 39 00 00 00 02 00 00 00 00 00 00	20 XX XX	15
	<b>D65</b>		Set	BE EF 1A 0C 00 7B 1F 39 00 00 00 0B 00 00 00 00 00 00	20 XX XX	15
	<b>D75</b>		Set	BE EF 1A 0C 00 44 DF 39 00 00 00 0E 00 00 00 00 00 00	20 XX XX	15
	<b>D83</b>		Set	BE EF 1A 0C 00 04 9F 39 00 00 00 01 00 00 00 00 00 00	20 XX XX	15
	<b>D93</b>		Set	BE EF 1A 0C 00 C8 5E 39 00 00 00 00 00 00 00 00 00 00	20 XX XX	15
	<b>Native</b>		Set	BE EF 1A 0C 00 DD 1E 39 00 00 00 03 00 00 00 00 00 00	20 XX XX	15
<b>Color Gamut</b>	<b>Native</b>		Set	BE EF 1A 0C 00 68 FE 41 00 00 00 00 00 00 00 00 00 00	20 XX XX	15
	<b>HDTV</b>		Set	BE EF 1A 0C 00 A4 3F 41 00 00 00 01 00 00 00 00 00 00	20 XX XX	15
	<b>User</b>		Set	BE EF 1A 0C 00 CE FF 41 00 00 00 08 00 00 00 00 00 00	20 XX XX	15
	<b>Cinema</b>		Set	BE EF 1A 0C 00 02 3E 41 00 00 00 09 00 00 00 00 00 00	20 XX XX	15
	<b>LCC</b>		Set	BE EF 1A 0C 00 17 7E 41 00 00 00 0A 00 00 00 00 00 00	20 XX XX	15
	<b>Red</b>		Set	BE EF 1A 0C 00 1F B7 37 00 00 00 00 00 00 00 00 00 00	20 XX XX	15
	<b>Green</b>		Set	BE EF 1A 0C 00 D3 76 37 00 00 00 01 00 00 00 00 00 00	20 XX XX	15

Display Menu

CMS	Blue		Set	BE EF 1A 0C 00 C6 36 37 00 00 00 02 00 00 00 00 00 00 00	20 XX XX	15
	Cyan		Set	BE EF 1A 0C 00 0A F7 37 00 00 00 03 00 00 00 00 00 00 00	20 XX XX	15
	Yellow		Set	BE EF 1A 0C 00 EC B6 37 00 00 00 04 00 00 00 00 00 00 00	20 XX XX	15
	Magenta		Set	BE EF 1A 0C 00 20 77 37 00 00 00 05 00 00 00 00 00 00 00	20 XX XX	15
	White		Set	BE EF 1A 0C 00 35 37 37 00 00 00 06 00 00 00 00 00 00 00	20 XX XX	15
	xOffset	n= -50 - +50	Increment	BE EF 1A 0C 00 06 FB 3A 00 02 00 00 00 00 00 00 00 00 00	20 XX XX	15
			Decrement	BE EF 1A 0C 00 C3 AA 3A 00 03 00 00 00 00 00 00 00 00 00	20 XX XX	15
			Get	BE EF 1A 0C 00 09 0B 3A 00 01 00 00 00 00 00 00 00 00 00	20 XX XX	15
			Set	BE EF 1A 0C 00 CRC CRC 3A 00 00 00 XX XX 00 00 00 00 00 00	20 XX XX	15
	yOffset	n= -50 - +50	Increment	BE EF 1A 0C 00 C5 06 3B 00 02 00 00 00 00 00 00 00 00 00	20 XX XX	15
			Decrement	BE EF 1A 0C 00 00 57 3B 00 03 00 00 00 00 00 00 00 00 00	20 XX XX	15
			Get	BE EF 1A 0C 00 CA F6 3B 00 01 00 00 00 00 00 00 00 00 00	20 XX XX	15
			Set	BE EF 1A 0C 00 CRC CRC 3B 00 00 00 XX XX 00 00 00 00 00 00	20 XX XX	15
	Brightness	n= -100 - +100	Increment	BE EF 1A 0C 00 0E F3 3C 00 02 00 00 00 00 00 00 00 00 00	20 XX XX	15
			Decrement	BE EF 1A 0C 00 CB A2 3C 00 03 00 00 00 00 00 00 00 00 00	20 XX XX	15
Get			BE EF 1A 0C 00 01 03 3C 00 01 00 00 00 00 00 00 00 00 00	20 XX XX	15	
Set			BE EF 1A 0C 00 CRC CRC 3C 00 00 00 XX XX 00 00 00 00 00 00	20 XX XX	15	
Reset		Set	BE EF 02 06 00 A8 E3 61 01 00 00 00 00	06	15	
RGB Gain/Bias	Red Gain	n= -50 - +50	Increment	BE EF 1A 0C 00 52 AF 05 00 02 00 00 00 00 00 00 00 00 00	20 XX XX	15
			Decrement	BE EF 1A 0C 00 97 FE 05 00 03 00 00 00 00 00 00 00 00 00	20 XX XX	15
			Get	BE EF 1A 0C 00 5D 5F 05 00 01 00 00 00 00 00 00 00 00 00	20 XX XX	15
	Green Gain	n= -50 - +50	Increment	BE EF 1A 0C 00 56 AB 06 00 02 00 00 00 00 00 00 00 00 00	20 XX XX	15
			Decrement	BE EF 1A 0C 00 93 FA 06 00 03 00 00 00 00 00 00 00 00 00	20 XX XX	15
			Get	BE EF 1A 0C 00 59 5B 06 00 01 00 00 00 00 00 00 00 00 00	20 XX XX	15
	Blue Gain	n= -50 - +50	Increment	BE EF 1A 0C 00 95 56 07 00 02 00 00 00 00 00 00 00 00 00	20 XX XX	15
			Decrement	BE EF 1A 0C 00 50 07 07 00 03 00 00 00 00 00 00 00 00 00	20 XX XX	15
			Get	BE EF 1A 0C 00 9A A6 07 00 01 00 00 00 00 00 00 00 00 00	20 XX XX	15
	Red Bia	n= 0 - 100	Increment	BE EF 1A 0C 00 81 42 08 00 02 00 00 00 00 00 00 00 00 00	20 XX XX	15
			Decrement	BE EF 1A 0C 00 44 13 08 00 03 00 00 00 00 00 00 00 00 00	20 XX XX	15
			Get	BE EF 1A 0C 00 8E B2 08 00 01 00 00 00 00 00 00 00 00 00	20 XX XX	15
	Green Bias	n= 0 - 100	Increment	BE EF 1A 0C 00 42 BF 09 00 02 00 00 00 00 00 00 00 00 00	20 XX XX	15
			Decrement	BE EF 1A 0C 00 87 EE 09 00 03 00 00 00 00 00 00 00 00 00	20 XX XX	15
			Get	BE EF 1A 0C 00 4D 4F 09 00 01 00 00 00 00 00 00 00 00 00	20 XX XX	15
Blue Bias	n= 0 - 100	Increment	BE EF 1A 0C 00 46 BB 0A 00 02 00 00 00 00 00 00 00 00 00	20 XX XX	15	
		Decrement	BE EF 1A 0C 00 83 EA 0A 00 03 00 00 00 00 00 00 00 00 00	20 XX XX	15	
		Get	BE EF 1A 0C 00 49 4B 0A 00 01 00 00 00 00 00 00 00 00 00	20 XX XX	15	
Reset		Set	BE EF 02 06 00 79 E2 60 01 00 00 00 00	06	15	
Color Space	Auto		Set	BE EF 02 06 00 E9 E0 70 01 00 00 00 00	06	15
	RGB (0-255)		Set	BE EF 02 06 00 38 E1 71 01 00 00 00 00	06	15
	RGB(16 - 235)		Set	BE EF 02 06 00 0B E1 72 01 00 00 00 00	06	15
	YUV		Set	BE EF 02 06 00 DA E0 73 01 00 00 00 00	06	15

Signal	Automatic	Off	Set	BE EF 1A 0C 00 37 9F 29 00 00 00 00 00 00 00 00 00 00	20 XX XX	15	
		On	Set	BE EF 1A 0C 00 FB 5E 29 00 00 00 01 00 00 00 00 00 00	20 XX XX	15	
	Frequency	n= -50 - +50 (depends on signal)	Increment	BE EF 1A 0C 00 F9 3A 2A 00 02 00 00 00 00 00 00 00 00	20 XX XX	15	
			Decrement	BE EF 1A 0C 00 3C 6B 2A 00 03 00 00 00 00 00 00 00 00	20 XX XX	15	
			Get	BE EF 1A 0C 00 F6 CA 2A 00 01 00 00 00 00 00 00 00 00	20 XX XX	15	
	Phase	n= 0 - +31 (depends on signal)	Increment	BE EF 1A 0C 00 3A C7 2B 00 02 00 00 00 00 00 00 00 00	20 XX XX	15	
			Decrement	BE EF 1A 0C 00 FF 96 2B 00 03 00 00 00 00 00 00 00 00	20 XX XX	15	
			Get	BE EF 1A 0C 00 35 37 2B 00 01 00 00 00 00 00 00 00 00	20 XX XX	15	
	H. Position	n= -50 - +50 (depends on signal)	Increment	BE EF 1A 0C 00 F1 32 2C 00 02 00 00 00 00 00 00 00 00	20 XX XX	15	
			Decrement	BE EF 1A 0C 00 34 63 2C 00 03 00 00 00 00 00 00 00 00	20 XX XX	15	
			Get	BE EF 1A 0C 00 FE C2 2C 00 01 00 00 00 00 00 00 00 00	20 XX XX	15	
	V. Position	n= -50 - +50 (depends on signal)	Increment	BE EF 1A 0C 00 32 CF 2D 00 02 00 00 00 00 00 00 00 00	20 XX XX	15	
			Decrement	BE EF 1A 0C 00 F7 9E 2D 00 03 00 00 00 00 00 00 00 00	20 XX XX	15	
			Get	BE EF 1A 0C 00 3D 3F 2D 00 01 00 00 00 00 00 00 00 00	20 XX XX	15	
	Lens Iris	n= 1 - 12	Increment	BE EF 1A 0C 00 1A E7 33 00 02 00 00 00 00 00 00 00 00	20 XX XX	15	
			Decrement	BE EF 1A 0C 00 DF B6 33 00 03 00 00 00 00 00 00 00 00	20 XX XX	15	
			Get	BE EF 1A 0C 00 15 17 33 00 01 00 00 00 00 00 00 00 00	20 XX XX	15	
	DynamicContrast	On	Set	BE EF 1A 0C 00 AB 0E 15 00 00 00 01 00 00 00 00 00 00	20 XX XX	15	
Off		Set	BE EF 1A 0C 00 67 CF 15 00 00 00 00 00 00 00 00 00 00	20 XX XX	15		
Brightness Mode	Bright	Set	BE EF 1A 0C 00 6C FA 42 00 00 00 00 00 00 00 00 00 00	20 XX XX	15		
	Eco.	Set	BE EF 1A 0C 00 A0 3B 42 00 00 00 01 00 00 00 00 00 00	20 XX XX	15		
PureEngine	UltraDetail	OFF	Set	BE EF 1A 0C 00 97 3F 51 00 00 00 00 00 00 00 00 00 00	20 XX XX	15	
		1	Set	BE EF 1A 0C 00 5B FE 51 00 00 00 01 00 00 00 00 00 00	20 XX XX	15	
		2	Set	BE EF 1A 0C 00 4E BE 51 00 00 00 02 00 00 00 00 00 00	20 XX XX	15	
		3	Set	BE EF 1A 0C 00 82 7F 51 00 00 00 03 00 00 00 00 00 00	20 XX XX	15	
	PureColor	OFF	Set	BE EF 1A 0C 00 93 3B 52 00 00 00 00 00 00 00 00 00 00	20 XX XX	15	
		1	Set	BE EF 1A 0C 00 5F FA 52 00 00 00 01 00 00 00 00 00 00	20 XX XX	15	
		2	Set	BE EF 1A 0C 00 4A BA 52 00 00 00 02 00 00 00 00 00 00	20 XX XX	15	
		3	Set	BE EF 1A 0C 00 86 7B 52 00 00 00 03 00 00 00 00 00 00	20 XX XX	15	
		4	Set	BE EF 1A 0C 00 60 3A 52 00 00 00 04 00 00 00 00 00 00	20 XX XX	15	
	PureMotion	5	Set	BE EF 1A 0C 00 AC FB 52 00 00 00 05 00 00 00 00 00 00	20 XX XX	15	
		OFF	Set	BE EF 1A 0C 00 83 2B 5E 00 00 00 00 00 00 00 00 00 00	20 XX XX	15	
		1	Set	BE EF 1A 0C 00 4F EA 5E 00 00 00 01 00 00 00 00 00 00	20 XX XX	15	
		2	Set	BE EF 1A 0C 00 5A AA 5E 00 00 00 02 00 00 00 00 00 00	20 XX XX	15	
	Aspect Ratio	Reset	3	Set	BE EF 1A 0C 00 96 6B 5E 00 00 00 03 00 00 00 00 00 00	20 XX XX	15
			Set	BE EF 1A 0C 00 crc crc 43 00 00 00 00 00 00 00 00 00 00	20 XX XX	15	
			4:3	Set	BE EF 02 06 00 2A F4 83 01 00 00 00 00	06	15
16:9			Set	BE EF 02 06 00 7F F4 86 01 00 00 00 00	06	15	
LBX			Set	BE EF 02 06 00 4C F4 85 01 00 00 00 00	06	15	
SuperWide	Set	BE EF 02 06 00 9D E4 44 01 00 00 00 00	06	15			
Native	Set	BE EF 02 06 00 AE F5 87 01 00 00 00 00	06	15			

		<b>Auto</b>		Set	BE EF 02 06 00 4C E5 45 01 00 00 00 00	06	15
<b>Edge mask</b>		n = 0 - 10		Increment	BE EF 1A 0C 00 66 9B 12 00 02 00 00 00 00 00 00 00 00	20 XX XX	15
			Decrement	BE EF 1A 0C 00 A3 CA 12 00 03 00 00 00 00 00 00 00 00	20 XX XX	15	
			Get	BE EF 1A 0C 00 69 6B 12 00 01 00 00 00 00 00 00 00 00	20 XX XX	15	
<b>Digital Zoom</b>		n = -5 - +25		Increment	BE EF 1A 0C 00 62 9F 11 00 02 00 00 00 00 00 00 00 00	20 XX XX	15
			Decrement	BE EF 1A 0C 00 A7 CE 11 00 03 00 00 00 00 00 00 00 00	20 XX XX	15	
			Set	BE EF 1A 0C 00 CRC CRC 11 00 00 00 data data 00 00 00 00 00	20 data data	15	
			Get	BE EF 1A 0C 00 6D 6F 11 00 01 00 00 00 00 00 00 00 00	20 XX XX	15	
<b>H Image Shift</b>		n = -100 - +100		Increment	BE EF 1A 0C 00 A9 6A 16 00 02 00 00 00 00 00 00 00 00	20 XX XX	15
			Decrement	BE EF 1A 0C 00 6C 3B 16 00 03 00 00 00 00 00 00 00 00	20 XX XX	15	
			Set	BE EF 1A 0C 00 CRC CRC 16 00 00 00 data data 00 00 00 00 00	20 data data	15	
			Get	BE EF 1A 0C 00 A6 9A 16 00 01 00 00 00 00 00 00 00 00	20 XX XX	15	
<b>V Image Shift</b>		n = -100 - +100		Increment	BE EF 1A 0C 00 6A 97 17 00 02 00 00 00 00 00 00 00 00	20 XX XX	15
			Decrement	BE EF 1A 0C 00 AF C6 17 00 03 00 00 00 00 00 00 00 00	20 XX XX	15	
			Set	BE EF 1A 0C 00 CRC CRC 17 00 00 00 data data 00 00 00 00 00	20 data data	15	
			Get	BE EF 1A 0C 00 65 67 17 00 01 00 00 00 00 00 00 00 00	20 XX XX	15	
<b>Projection</b>		<b>Front-Desktop</b>		Set	BE EF 1A 0C 00 01 CF 35 00 00 00 02 00 00 00 00 00 00	20 XX XX	15
		<b>Rear-Desktop</b>		Set	BE EF 1A 0C 00 D8 4E 35 00 00 00 00 00 00 00 00 00 00	20 XX XX	15
		<b>Front-Ceiling</b>		Set	BE EF 1A 0C 00 14 8F 35 00 00 00 01 00 00 00 00 00 00	20 XX XX	15
		<b>Rear-Ceiling</b>		Set	BE EF 1A 0C 00 CD 0E 35 00 00 00 03 00 00 00 00 00 00	20 XX XX	15
<b>Lamp Settings</b>		<b>Lamp Reminder</b>	On	Set	BE EF 1A 0C 00 6F CA 46 00 00 00 01 00 00 00 00 00 00	20 XX XX	15
			Off	Set	BE EF 1A 0C 00 A3 0B 46 00 00 00 00 00 00 00 00 00 00	20 XX XX	15
		<b>Lamp Reset</b>		Set	BE EF 1A 0C 00 7A 8A 46 00 00 00 02 00 00 00 00 00 00	20 XX XX	15
<b>Lens Settings</b>		<b>Zoom / Focus</b>	Lock	Set	BE EF 1A 0C 00 74 E2 48 00 00 00 00 00 00 00 00 00 00	20 XX XX	15
			Unlock	Set	BE EF 1A 0C 00 B8 23 48 00 00 00 01 00 00 00 00 00 00	20 XX XX	15
		<b>Lens Memory Load</b>	1	Set	BE EF 1A 0C 00 3A DD 89 00 00 00 01 00 00 00 00 00 00	20 01 00	15
		<b>Lens Memory Load</b>	2	Set	BE EF 1A 0C 00 2F 9D 89 00 00 00 02 00 00 00 00 00 00	20 01 00	15
		<b>Lens Memory Load</b>	3	Set	BE EF 1A 0C 00 E3 5C 89 00 00 00 03 00 00 00 00 00 00	20 01 00	15
		<b>Lens Memory Load</b>	4	Set	BE EF 1A 0C 00 05 1D 89 00 00 00 04 00 00 00 00 00 00	20 01 00	15
		<b>Lens Memory Load</b>	5	Set	BE EF 1A 0C 00 C9 DC 89 00 00 00 05 00 00 00 00 00 00	20 01 00	15
		<b>Lens Memory Load</b>	6	Set	BE EF 1A 0C 00 DC 9C 89 00 00 00 06 00 00 00 00 00 00	20 01 00	15
		<b>Lens Memory Load</b>	7	Set	BE EF 1A 0C 00 10 5D 89 00 00 00 07 00 00 00 00 00 00	20 01 00	15
		<b>Lens Memory Load</b>	8	Set	BE EF 1A 0C 00 50 1D 89 00 00 00 08 00 00 00 00 00 00	20 01 00	15
		<b>Lens Memory Load</b>	9	Set	BE EF 1A 0C 00 50 1D 89 00 00 00 08 00 00 00 00 00 00	20 01 00	15
		<b>Lens Memory Load</b>	10	Set	BE EF 1A 0C 00 89 9C 89 00 00 00 0A 00 00 00 00 00 00	20 01 00	15
<b>Power Settings</b>		<b>Direct Power On</b>	On	Set	BE EF 1A 0C 00 7B DE 49 00 00 00 01 00 00 00 00 00 00	20 XX XX	15
			Off	Set	BE EF 1A 0C 00 B7 1F 49 00 00 00 00 00 00 00 00 00 00	20 XX XX	15
		<b>Auto Power Off (min)</b>	n = 0 - 180 (5 minutes for each step)	Increment	BE EF 1A 0C 00 3E C3 28 00 02 00 00 00 00 00 00 00 00	20 XX XX	15
				Decrement	BE EF 1A 0C 00 FB 92 28 00 03 00 00 00 00 00 00 00 00	20 XX XX	15
				Get	BE EF 1A 0C 00 31 33 28 00 01 00 00 00 00 00 00 00 00	20 XX XX	15
			Increment	BE EF 1A 0C 00 79 BA 4A 00 02 00 00 00 00 00 00 00 00	20 XX XX	15	

Setup Menu

	Sleep Timer (min)	n = 0 - 990 (30 minutes for each step)	Decrement	BE EF 1A 0C 00 BC EB 4A 00 03 00 00 00 00 00 00 00 00 00	20 XX XX	15	
			Get	BE EF 1A 0C 00 76 4A 4A 00 01 00 00 00 00 00 00 00 00	20 XX XX	15	
	Power Mode (Standby)	Active		Set	BE EF 1A 0C 00 70 E6 4B 00 00 00 00 00 00 00 00 00 00	20 XX XX	15
		Eco. (<0.5W)		Set	BE EF 1A 0C 00 BC 27 4B 00 00 00 01 00 00 00 00 00 00 00	20 XX XX	15
Security	Security Timer	Month mm= 00 - 12 Day dd = 00 - 30 Hour hh= 00 - 24	Set	BE EF 1A 0C 00 crc crc 4C 00 00 00 mm dd hh 00 00 00 00 00	20 XX XX	15	
	Security	On	Set	BE EF 1A 0C 00 E5 3C 81 00 00 00 01 00 00 00 00 00 00 00	20 XX XX	15	
		Off	Set	BE EF 1A 0C 00 29 FD 81 00 00 00 00 00 00 00 00 00 00 00	20 XX XX	15	
Test Pattern	Off		Set	BE EF 1A 0C 00 78 EE 4D 00 00 00 00 00 00 00 00 00 00 00	20 XX XX	15	
	Grid(Green)		Set	BE EF 1A 0C 00 B4 2F 4D 00 00 00 01 00 00 00 00 00 00 00	20 XX XX	15	
	Grid (Magenta)		Set	BE EF 1A 0C 00 A1 6F 4D 00 00 00 02 00 00 00 00 00 00 00	20 XX XX	15	
	Grid(White)		Set	BE EF 1A 0C 00 6D AE 4D 00 00 00 03 00 00 00 00 00 00 00	20 XX XX	15	
	White		Set	BE EF 1A 0C 00 8B EF 4D 00 00 00 04 00 00 00 00 00 00 00	20 XX XX	15	
Remote Settings [depends on remote]	IR Function	On	Set	BE EF 1A 0C 00 2B 83 20 00 00 00 00 00 00 00 00 00 00 00	20 XX XX	15	
		Front	Set	BE EF 1A 0C 00 E7 42 20 00 00 00 01 00 00 00 00 00 00 00	20 XX XX	15	
		Top	Set	BE EF 1A 0C 00 F2 02 20 00 00 00 02 00 00 00 00 00 00 00	20 XX XX	15	
		Off	Set	BE EF 1A 0C 00 3E C3 20 00 00 00 03 00 00 00 00 00 00 00	20 XX XX	15	
	F1	AV mute / Freeze / Trigger 12V B / Test Pattern / Lens memory 1 Load / Sleep Timer / CMS / Color Temp / Auto Source / Lens memory 2 Load / Lamp Settings / Zoom / Focus / Lens memory 3 Load	Set	BE EF 1A 0C 00 crc crc 82 00 00 00 xx 00 00 00 00 00 00 00	20 XX XX	15	
	F2	AV mute / Freeze / Trigger 12V B / Test Pattern / Lens memory 1 Load / Sleep Timer / CMS / Color Temp / Auto Source / Lens memory 2 Load / Lamp Settings / Zoom / Focus / Lens memory 3 Load	Set	BE EF 1A 0C 00 crc crc 83 00 00 00 xx 00 00 00 00 00 00 00	20 XX XX	15	
	F3	AV mute / Freeze / Trigger 12V B / Test Pattern / Lens memory 1 Load / Sleep Timer / CMS / Color Temp / Auto Source / Lens memory 2 Load / Lamp Settings / Zoom / Focus / Lens memory 3 Load	Set	BE EF 1A 0C 00 crc crc 84 00 00 00 xx 00 00 00 00 00 00 00	20 XX XX	15	
12V Trigger	12V Trigger A	Off	Set	BE EF 1A 0C 00 54 C2 50 00 00 00 00 00 00 00 00 00 00 00	20 XX XX	15	
		On	Set	BE EF 1A 0C 00 98 03 50 00 00 00 01 00 00 00 00 00 00 00	20 XX XX	15	
	12V Trigger B	Off	Set	BE EF 1A 0C 00 04 92 6C 00 00 00 00 00 00 00 00 00 00 00	20 XX XX	15	
		On	Set	BE EF 1A 0C 00 C8 53 6C 00 00 00 01 00 00 00 00 00 00 00	20 XX XX	15	
Language	English		Set	BE EF 1A 0C 00 2F 87 23 00 00 00 00 00 00 00 00 00 00 00	20 XX XX	15	
	Spanish		Set	BE EF 1A 0C 00 DC 86 23 00 00 00 04 00 00 00 00 00 00 00	20 XX XX	15	
	French		Set	BE EF 1A 0C 00 F6 06 23 00 00 00 02 00 00 00 00 00 00 00	20 XX XX	15	
	German		Set	BE EF 1A 0C 00 E3 46 23 00 00 00 01 00 00 00 00 00 00 00	20 XX XX	15	
	Portuguese		Set	BE EF 1A 0C 00 10 47 23 00 00 00 05 00 00 00 00 00 00 00	20 XX XX	15	
	Simplified Chinese		Set	BE EF 1A 0C 00 A3 06 23 00 00 00 0E 00 00 00 00 00 00 00	20 XX XX	15	
	Italian		Set	BE EF 1A 0C 00 3A C7 23 00 00 00 03 00 00 00 00 00 00 00	20 XX XX	15	
	Russian		Set	BE EF 1A 0C 00 45 47 23 00 00 00 09 00 00 00 00 00 00 00	20 XX XX	15	
		Top Left	Set	BE EF 1A 0C 00 C7 6F 6D 00 00 00 00 00 00 00 00 00 00 00	20 XX XX	15	

Menu Settings	Menu Location	Top Right	Set	BE EF 1A 0C 00 0B AE 6D 00 00 00 01 00 00 00 00 00 00 00	20 XX XX	15
		Centre	Set	BE EF 1A 0C 00 1E EE 6D 00 00 00 02 00 00 00 00 00 00 00	20 XX XX	15
		Bottom Left	Set	BE EF 1A 0C 00 D2 2F 6D 00 00 00 03 00 00 00 00 00 00 00	20 XX XX	15
		Bottom Right	Set	BE EF 1A 0C 00 34 6E 6D 00 00 00 04 00 00 00 00 00 00 00	20 XX XX	15
	Menu Timer	Off	Set	BE EF 1A 0C 00 C3 6B 6E 00 00 00 00 00 00 00 00 00 00 00	20 XX XX	15
		5sec	Set	BE EF 1A 0C 00 0F AA 6E 00 00 00 01 00 00 00 00 00 00 00	20 XX XX	15
10sec		Set	BE EF 1A 0C 00 1A EA 6E 00 00 00 02 00 00 00 00 00 00 00	20 XX XX	15	
Auto Source	Auto Source Off	Set	BE EF 1A 0C 00 00 96 6F 00 00 00 00 00 00 00 00 00 00 00	20 XX XX	15	
	Auto Source On	Set	BE EF 1A 0C 00 CC 57 6F 00 00 00 01 00 00 00 00 00 00 00	20 XX XX	15	
Input Source	HDMI1	Set	BE EF 02 06 00 D5 E5 4C 01 00 00 00 00	06	15	
	HDMI2	Set	BE EF 02 06 00 04 E4 4D 01 00 00 00 00	06	15	
	HDMI3	Set	BE EF 02 06 00 08 EA 01 01 00 00 00 00	06	15	
	VGA	Set	BE EF 02 06 00 62 E4 4B 01 00 00 00 00	06	15	
	DisplayPort	Set	BE EF 02 06 00 3B EA 02 01 00 00 00 00	06	15	
High Altitude	Off	Set	BE EF 1A 0C 00 23 8B 26 00 00 00 00 00 00 00 00 00 00 00	20 XX XX	15	
	On	Set	BE EF 1A 0C 00 EF 4A 26 00 00 00 01 00 00 00 00 00 00 00	20 XX XX	15	
Display Mode Lock	Off	Set	BE EF 1A 0C 00 24 B2 74 00 00 00 00 00 00 00 00 00 00 00	20 XX XX	15	
	On	Set	BE EF 1A 0C 00 E8 73 74 00 00 00 01 00 00 00 00 00 00 00	20 XX XX	15	
Keypad Lock	Off	Set	BE EF 1A 0C 00 E7 4F 75 00 00 00 00 00 00 00 00 00 00 00	20 XX XX	15	
	On	Set	BE EF 1A 0C 00 2B 8E 75 00 00 00 01 00 00 00 00 00 00 00	20 XX XX	15	
Information Hide	Off	Set	BE EF 1A 0C 00 E0 76 27 00 00 00 00 00 00 00 00 00 00 00	20 XX XX	15	
	On	Set	BE EF 1A 0C 00 2C B7 27 00 00 00 01 00 00 00 00 00 00 00	20 XX XX	15	
Logo	Default	Set	BE EF 1A 0C 00 E3 4B 76 00 00 00 00 00 00 00 00 00 00 00	20 XX XX	15	
	Neutral	Set	BE EF 1A 0C 00 2F 8A 76 00 00 00 01 00 00 00 00 00 00 00	20 XX XX	15	
Background Color	None	Set	BE EF 1A 0C 00 B3 16 1F 00 00 00 01 00 00 00 00 00 00 00	20 XX XX	15	
	Blue	Set	BE EF 1A 0C 00 7F D7 1F 00 00 00 00 00 00 00 00 00 00 00	20 XX XX	15	
	Red	Set	BE EF 1A 0C 00 6A 97 1F 00 00 00 03 00 00 00 00 00 00 00	20 XX XX	15	
	Green	Set	BE EF 1A 0C 00 8C D6 1F 00 00 00 04 00 00 00 00 00 00 00	20 XX XX	15	
	Gray	Set	BE EF 1A 0C 00 A6 56 1F 00 00 00 02 00 00 00 00 00 00 00	20 XX XX	15	
HDMI 2 Setting	EDID 1	Set	BE EF 1A 0C 00 20 B6 77 00 00 00 00 00 00 00 00 00 00 00	20 XX XX	15	
	EDID 2	Set	BE EF 1A 0C 00 EC 77 77 00 00 00 01 00 00 00 00 00 00 00	20 XX XX	15	
HDMI1 EQ	1~7	Set	BE EF 1A 0C 00 crc crc 85 00 00 00 Data 00 00 00 00 00 00 00	20 XX XX	15	
		Get	BE EF 1A 0C 00 23 5D 85 00 01 00 00 00 00 00 00 00 00 00	20 XX XX	15	
		Increment	BE EF 1A 0C 00 2C AD 85 00 02 00 00 00 00 00 00 00 00 00	20 XX XX	15	
		Decrement	BE EF 1A 0C 00 E9 FC 85 00 03 00 00 00 00 00 00 00 00 00	20 XX XX	15	
HDMI2 EQ	1~7	Set	BE EF 1A 0C 00 crc crc 86 00 00 00 Data 00 00 00 00 00 00 00	20 XX XX	15	
		Get	BE EF 1A 0C 00 27 59 86 00 01 00 00 00 00 00 00 00 00 00	20 XX XX	15	
		Increment	BE EF 1A 0C 00 28 A9 86 00 02 00 00 00 00 00 00 00 00 00	20 XX XX	15	
		Decrement	BE EF 1A 0C 00 ED F8 86 00 03 00 00 00 00 00 00 00 00 00	20 XX XX	15	
HDMI3 EQ	1~7	Set	BE EF 1A 0C 00 crc crc 87 00 00 00 Data 00 00 00 00 00 00 00	20 XX XX	15	
		Get	BE EF 1A 0C 00 E4 A4 87 00 01 00 00 00 00 00 00 00 00 00	20 XX XX	15	

	NDMS EQ		1~1	Increment	BE EF 1A 0C 00 EB 54 87 00 02 00 00 00 00 00 00 00 00	20 XX XX	15				
				Decrement	BE EF 1A 0C 00 2E 05 87 00 03 00 00 00 00 00 00 00	20 XX XX	15				
				Detail Filter	0~2	Set	BE EF 1A 0C 00 crc crc 88 00 00 00 Data 00 00 00 00 00 00	20 XX XX	15		
						Get	BE EF 1A 0C 00 F0 B0 88 00 01 00 00 00 00 00 00 00	20 XX XX	15		
						Increment	BE EF 1A 0C 00 FF 40 88 00 02 00 00 00 00 00 00 00	20 XX XX	15		
						Decrement	BE EF 1A 0C 00 3A 11 88 00 03 00 00 00 00 00 00 00	20 XX XX	15		
						Reset	Reset OSD	Set	BE EF 02 06 00 1F E2 66 01 00 00 00 00	06	15
				Reset to Default	Set	BE EF 02 06 00 A1 E1 78 01 00 00 00 00	06	15			
				Network	LAN	DHCP	Off	Set	BE EF 1A 0C 00 F3 5B 7A 00 00 00 00 00 00 00 00 00	20 XX XX	15
							On	Set	BE EF 1A 0C 00 3F 9A 7A 00 00 00 01 00 00 00 00 00	20 XX XX	15
Control	Crestron	Off	Set		BE EF 1A 0C 00 30 A6 7B 00 00 00 00 00 00 00 00 00	20 XX XX	15				
		On	Set		BE EF 1A 0C 00 FC 67 7B 00 00 00 01 00 00 00 00 00	20 XX XX	15				
	Extron	Off	Set		BE EF 1A 0C 00 FB 53 7C 00 00 00 00 00 00 00 00 00	20 XX XX	15				
		On	Set		BE EF 1A 0C 00 37 92 7C 00 00 00 01 00 00 00 00 00	20 XX XX	15				
	PJ Link	Off	Set		BE EF 1A 0C 00 38 AE 7D 00 00 00 00 00 00 00 00 00	20 XX XX	15				
		On	Set		BE EF 1A 0C 00 F4 6F 7D 00 00 00 01 00 00 00 00 00	20 XX XX	15				
	AMX Device Discovery	Off	Set		BE EF 1A 0C 00 3C AA 7E 00 00 00 00 00 00 00 00 00	20 XX XX	15				
		On	Set		BE EF 1A 0C 00 F0 6B 7E 00 00 00 01 00 00 00 00 00	20 XX XX	15				
	HTTP	Off	Set		BE EF 1A 0C 00 EA 00 80 00 00 00 00 00 00 00 00 00	20 XX XX	15				
		On	Set		BE EF 1A 0C 00 26 C1 80 00 00 00 01 00 00 00 00 00	20 XX XX	15				