

1 RS-232 COMMAND LIST

Equipments/Tools to be used:

- RS232 (female) to RS232 (female) Cable
- USB to RS232 (male) Cable
- Notebook or PC with USB port
- Docklight V2.0

In general, the following RS-232 commands are sent for operating the implemented functions via serial port and utility which is named as Docklight. The examples of the document are demonstrated via Docklight.

RS-232 command set are described as below:

Function Name	Function Type	Command Data(HEX)								Additional Information							
OPS Power	OFF	BE	EF	03	06	00	2A	D3	01	00	00	60	00	00			
	ON	BE	EF	03	06	00	BA	D2	01	00	00	60	01	00			
	GET	BE	EF	03	06	00	19	D3	02	00	00	60	00	00	1D 00 00: OFF	1D 00 01: ON	
Source	OPS	BE	EF	03	06	00	FE	D2	01	00	00	20	00	00			
	HDMI	BE	EF	03	06	00	0E	D2	01	00	00	20	03	00			
	VGA	BE	EF	03	06	00	6E	D2	01	00	00	20	01	00			
Backlight	GET	BE	EF	03	06	00	CD	D2	02	00	00	20	00	00	1D 00 01: PC	1D 00 02: HDMI	1D 00 03:VGA
	GET	BE	EF	03	06	00	89	D2	02	00	03	20	00	00	1D 00 XX: value		
	INCREMENT	BE	EF	03	06	00	EF	D2	04	00	03	20	00	00			
	DECREMENT	BE	EF	03	06	00	3E	D3	05	00	03	20	00	00			
Volume	SET	BE	EF	03	06	00	89	D2	03	00	03	20	01	XX	default value: 0x64	range: 0x64-0x1E	
	RESET	BE	EF	03	06	00	58	D3	06	00	00	70	00	00			
	GET	BE	EF	03	06	00	31	D3	02	00	01	20	00	00	1D 00 XX: value		
	INCREMENT	BE	EF	03	06	00	57	D3	04	00	01	20	00	00			
Screen	DECREMENT	BE	EF	03	06	00	86	D2	05	00	01	20	00	00			
	SET	BE	EF	03	06	00	31	D3	03	00	01	20	01	XX	default value: 0x10	range: 0x1D-0x00	
	OFF	BE	EF	03	06	00	FB	D8	01	00	20	30	00	00			
	ON	BE	EF	03	06	00	6B	D9	01	00	20	30	01	00			
Auto Adjust	GET	BE	EF	03	06	00	C8	D8	02	00	20	30	00	00	1D 00 00: OFF	1D 00 01: ON	
	ON	BE	EF	03	06	00	32	D4	01	00	19	20	01	00			only VGA
	OFF	BE	EF	03	06	00	A2	D5	01	00	19	20	00	00			only VGA
Keypad Lock	ON	BE	EF	03	06	00	93	97	01	00	11	24	01	00			
	OFF	BE	EF	03	06	00	03	96	01	00	11	24	00	00			
	GET	BE	EF	03	06	00	30	96	02	00	11	24	00	00	1D 00 00: OFF	1D 00 01: ON	
Remote Controller Loc	OFF	BE	EF	03	06	00	E7	96	01	00	16	24	01	00			
	ON	BE	EF	03	06	00	77	97	01	00	16	24	00	00			
	GET	BE	EF	03	06	00	44	97	02	00	16	24	00	00	1D 00 00: OFF	1D 00 01: ON	
OSD Menu	ON	BE	EF	03	06	00	6A	63	01	00	00	37	01	00			
	OFF	BE	EF	03	06	00	FA	62	01	00	00	37	00	00			

Contrast	GET	BE EF	03 06 00	FD D3	02 00	04 20	00 00	1D 00 XX: value		
	SET	BE EF	03 06 00	FD D3	03 00	04 20	01 XX	40" default value: 0x80 - 50" default value: 0x80	65" default value: 0x80	range: 0xB2-0x4E
	INCREMENT	BE EF	03 06 00	9B D3	04 00	04 20	00 00			
	DECREMENT	BE EF	03 06 00	4A D2	05 00	04 20	00 00			
Monitor	ON	BE EF	03 06 00	19 D3	02 00	00 60	02 00			
	OFF	BE EF	03 06 00	19 D3	02 00	00 60	01 00			
	GET	BE EF	03 06 00	19 D8	03 00	00 60	07 00	1D 00 00: OFF	1D 00 01: ON	
Mute	ON	BE EF	03 06 00	D6 D2	01 00	02 20	01 00			
	OFF	BE EF	03 06 00	46 D3	01 00	02 20	00 00			
	GET	BE EF	03 06 00	75 D3	02 00	02 20	00 00	1D 00 00: OFF	1D 00 01: ON	
Auto Position	EXECUTE	BE EF	03 06 00	91 D0	06 00	0A 20	00 00			only VGA
Color Temperature	INCREMENT	BE EF	03 06 00	0B F5	10 00	B0 30	03 00	9300K, 6500K, 5000K, 7500K, USER		
	DECREMENT	BE EF	03 06 00	CB F8	01 00	B0 30	13 00	9300K, 6500K, 5000K, 7500K, USER		
	GET	BE EF	03 06 00	C8 F5	02 00	B0 30	00 00	1D 00 XX: value	00=9300K, 01=6500K, 02=5000K, 03=7500K, 04=USER	
Clock	INCREMENT	BE EF	03 06 00	19 D4	03 00	00 60	03 00			only VGA
	DECREMENT	BE EF	03 06 00	19 D5	03 00	00 60	04 00			only VGA
	GET	BE EF	03 06 00	19 D7	03 00	00 60	06 00	1D XX XX: value		only VGA
Phase	INCREMENT	BE EF	03 06 00	2F 83	04 00	03 21	00 00			only VGA
	DECREMENT	BE EF	03 06 00	FE 82	05 00	03 21	00 00			only VGA
	GET	BE EF	03 06 00	49 83	02 00	03 21	00 00	1D 00 XX: value		only VGA
H-Position	INCREMENT	BE EF	03 06 00	97 82	04 00	01 21	00 00			only VGA
	DECREMENT	BE EF	03 06 00	46 83	05 00	01 21	00 00			only VGA
	GET	BE EF	03 06 00	F1 82	02 00	01 21	00 00	1D XX XX: value		only VGA
V-Position	INCREMENT	BE EF	03 06 00	6B 83	04 00	00 21	00 00			only VGA
	DECREMENT	BE EF	03 06 00	BA 82	05 00	00 21	00 00			only VGA
	GET	BE EF	03 06 00	0D 83	02 00	00 21	00 00	1D 00 XX: value		only VGA
Color Temp Gain R	INCREMENT	BE EF	03 06 00	52 F4	04 00	B1 30	00 00			
	DECREMENT	BE EF	03 06 00	83 F5	05 00	B1 30	00 00			
	GET	BE EF	03 06 00	34 F4	02 00	B1 30	00 00	1D 00 XX: value		
Color Temp Gain G	INCREMENT	BE EF	03 06 00	16 F4	04 00	B2 30	00 00			
	DECREMENT	BE EF	03 06 00	C7 F5	05 00	B2 30	00 00			
	GET	BE EF	03 06 00	70 F4	02 00	B2 30	00 00	1D 00 XX: value		
Color Temp Gain B	INCREMENT	BE EF	03 06 00	EA F5	04 00	B3 30	00 00			
	DECREMENT	BE EF	03 06 00	3B F4	05 00	B3 30	00 00			
	GET	BE EF	03 06 00	8C F5	02 00	B3 30	00 00	1D 00 XX: value		

Baud rate should be set as 19200 and the other settings should be as shown in below capture(8 data bits, no parity, 1 stop bit, Handshake None).

COM port should be identical with the COM port under Device Manager→ Ports (COM&LPT).

