

## Communicatie Parameters

**Baud rate** : 19200 bps  
**Data lengte** : 8 bit  
**Parity** : None  
**Stop bit** : 1  
**Communicatie code** : ASCII

## Communicatie Protocol : 7 byte

[CMD1][CMD2][ ][SET ID][ ][Data][Cr]

[CMD1] : QUERY:0x6A, SEND:0x6B

[CMD2] : To control menu index(ex, power, source, brightness, contrast....)

[ ] : 0x20

[SET ID] : U kunt de ID instellen zodat U onderscheid kunt maken tussen de verschillende monitoren in een speciaal menu (SYSTEM-MISC.-OSD CONFIGURATION-RS232 CONTROL).  
Standaard staat de communicatie ingesteld op ID=1

[SET ID] : 0x00–0x63

[Cr] : 0x0D

Ex ) AUTO CONFIGURATION : 6B7C200020010D

## [Send Command Reference List]

No.	Name	CMD1	CMD2	Index	Set ID	Index	Data	Cr
1	AUTO CONFIGURATION	0x6B	0x7C	0x20	0x00-0x63	0x20	0x01	0x0D
2	POWER	0x6B	0x61	0x20	0x00-0x63	0x20	0x00-0x01	0x0D
3	SOURCE	0x6B	0x62	0x20	0x00-0x63	0x20	0x00-0x03	0x0D
4	ASPECT RATIO	0x6B	0x63	0x20	0x00-0x63	0x20	0x00-0x06	0x0D
5	BACKLIGHT	0x6B	0x66	0x20	0x00-0x63	0x20	0x00-0x64	0x0D
6	CONTRAST	0x6B	0x67	0x20	0x00-0x63	0x20	0x00-0x64	0x0D
7	BRIGHTNESS	0x6B	0x68	0x20	0x00-0x63	0x20	0x00-0x64	0x0D
8	HUE	0x6B	0x69	0x20	0x00-0x63	0x20	0x00-0x64	0x0D
9	SATURATION	0x6B	0x6A	0x20	0x00-0x63	0x20	0x00-0x64	0x0D
10	SHARPNESS	0x6B	0x6B	0x20	0x00-0x63	0x20	0x00-0x64	0x0D
11	COLOR TEMP	0x6B	0x78	0x20	0x00-0x63	0x20	0x00-0x05	0x0D
12	COLOR TEMP RED	0x6B	0x6C	0x20	0x00-0x63	0x20	0x00-0x64	0x0D
13	COLOR TEMP GREEN	0x6B	0x6D	0x20	0x00-0x63	0x20	0x00-0x64	0x0D
14	COLOR TEMP BLUE	0x6B	0x6E	0x20	0x00-0x63	0x20	0x00-0x64	0x0D
15	PIP ON/OFF	0x6B	0x6F	0x20	0x00-0x63	0x20	0x00-0x01	0x0D
16	PIP SOURCE	0x6B	0x70	0x20	0x00-0x63	0x20	0x00-0x03	0x0D
17	PIP CONTRAST	0x6B	0x71	0x20	0x00-0x63	0x20	0x00-0x64	0x0D
18	PIP BRIGHTNESS	0x6B	0x72	0x20	0x00-0x63	0x20	0x00-0x64	0x0D
19	PIP HUE	0x6B	0x73	0x20	0x00-0x63	0x20	0x00-0x64	0x0D
20	PIP SATURATION	0x6B	0x74	0x20	0x00-0x63	0x20	0x00-0x64	0x0D
21	PIP POSITION	0x6B	0x75	0x20	0x00-0x63	0x20	0x00-0x03	0x0D
22	PIP SIZE	0x6B	0x76	0x20	0x00-0x63	0x20	0x00-0x02	0x0D
23	PIP BLEND	0x6B	0x77	0x20	0x00-0x63	0x20	0x00-0x0F	0x0D
24	AUDIO VOLUME	0x6B	0x7E	0x20	0x00-0x63	0x20	0x00-0x64	0x0D
25	AUDIO MUTE	0x6B	0x7F	0x20	0x00-0x63	0x20	0x00-0x01	0x0D

## [Query Command Reference List]

**Return :**           **[ACK]**                           **[NAK]**  
 Success : [0x6A][CMD2] [Data],           Failed : [0x15]

**Ex ) BACKLIGHT: 6B66200020FF0D**  
 Success : [0x06][0x66][Current Backlight Value],  
 Failed : [0x15]

No.	Name	CMD1	CMD2	Index	Set ID	Index	Data	Cr
1	AUTO CONFIGURATION	0x6A	0x7C	0x20	0x00-0x63	0x20	0xFF	0x0D
2	POWER	0x6A	0x61	0x20	0x00-0x63	0x20	0xFF	0x0D
3	SOURCE	0x6A	0x62	0x20	0x00-0x63	0x20	0xFF	0x0D
4	ASPECT RATIO	0x6A	0x63	0x20	0x00-0x63	0x20	0xFF	0x0D
5	BACKLIGHT	0x6A	0x66	0x20	0x00-0x63	0x20	0xFF	0x0D
6	CONTRAST	0x6A	0x67	0x20	0x00-0x63	0x20	0xFF	0x0D
7	BRIGHTNESS	0x6A	0x68	0x20	0x00-0x63	0x20	0xFF	0x0D
8	HUE	0x6A	0x69	0x20	0x00-0x63	0x20	0xFF	0x0D
9	SATURATION	0x6A	0x6A	0x20	0x00-0x63	0x20	0xFF	0x0D
10	SHARPNESS	0x6A	0x6B	0x20	0x00-0x63	0x20	0xFF	0x0D
11	COLOR TEMP	0x6A	0x78	0x20	0x00-0x63	0x20	0xFF	0x0D
12	COLOR TEMP RED	0x6A	0x6C	0x20	0x00-0x63	0x20	0xFF	0x0D
13	COLOR TEMP GREEN	0x6A	0x6D	0x20	0x00-0x63	0x20	0xFF	0x0D
14	COLOR TEMP BLUE	0x6A	0x6E	0x20	0x00-0x63	0x20	0xFF	0x0D
15	PIP ON/OFF	0x6A	0x6F	0x20	0x00-0x63	0x20	0xFF	0x0D
16	PIP SOURCE	0x6A	0x70	0x20	0x00-0x63	0x20	0xFF	0x0D
17	PIP CONTRAST	0x6A	0x71	0x20	0x00-0x63	0x20	0xFF	0x0D
18	PIP BRIGHTNESS	0x6A	0x72	0x20	0x00-0x63	0x20	0xFF	0x0D
19	PIP HUE	0x6A	0x73	0x20	0x00-0x63	0x20	0xFF	0x0D
20	PIP SATURATION	0x6A	0x74	0x20	0x00-0x63	0x20	0xFF	0x0D
21	PIP POSITION	0x6A	0x75	0x20	0x00-0x63	0x20	0xFF	0x0D
22	PIP SIZE	0x6A	0x76	0x20	0x00-0x63	0x20	0xFF	0x0D
23	PIP BLEND	0x6A	0x77	0x20	0x00-0x63	0x20	0xFF	0x0D
24	AUDIO VOLUME	0x6A	0x7E	0x20	0x00-0x63	0x20	0xFF	0x0D
25	AUDIO MUTE	0x6A	0x7F	0x20	0x00-0x63	0x20	0xFF	0x0D