

1.RS-232 Command:

Baudrate: 19200

Data width: 8bit

Parity: none

Stop: 1bit

Port switch command package length is 13byte:

[0xa5+0x5b+0x02+0x03+**input port(1~4)**+0x00+**output port(1~4)**+0x00+0x00+0x00+0x00+**checksum**]

All you need to change is just "input port", "output port", "checksum"

Checksum = $0x100 - (0xa5+0x5b+0x02+0x03+\text{input port}+0x00+\text{output port}+0x00+0x00+0x00+0x00+0x00)$

For example: Set output 1 form input 2 command:

A5 5B 02 03 02 00 01 00 00 00 00 00 F8

Port switch query package length is 13byte:

This is a query command which mean you must send query package and then receive an answer.

For example: Query output A input port (1~4)

Send package: A5 5B 02 01 **01** 00 00 00 00 00 00 00 FC

Receive package: A5 5B 02 01 01 00 **01** 00 00 00 00 00 FB

The red **01** mean the output port number, it should be 1~4.

The blue **01** mean the input port number, it should be 1~4.

Edid set command package length is 13byte:

[0xa5+0x5b+0x03+0x02+**Edid index(1~15)**+0x00+**input port(1~4)**+0x00+0x00+0x00+0x00+0x00+**checksum**]

[0xa5+0x5b+0x03+0x01+**Edid index(1~15)**+0x00+0x00+0x00+0x00+0x00+0x00+0x00+**checksum**]

Means: set edid mode to all input port

Edid index list:

SE_1080I_20	= 1
SE_1080I_51	= 2
SE_1080I_71	= 3
SE_1080P_20	= 4
SE_1080P_51	= 5
SE_1080P_71	= 6
SE_3D_20	= 7
SE_3D_51	= 8
SE_3D_71	= 9
SE_4K2K_20	= 10
SE_4K2K_51	= 11
SE_4K2K_71	= 12
SE_DVI_1024_768	= 13

SE_DVI_1920_1080 = 14

SE_DVI_1920_1200 = 15

Edid copy command package length is 13byte:

[0xa5+0x5b+0x03+0x04+**output port (1~4)**+0x00+**input port(1~4)**+0x00+0x00+0x00+0x00+0x00+**checksum**]

Means: copy output port X edid to input port X

[0xa5+0x5b+0x03+0x03+**output port (1~4)**+0x00+0x00+0x00+0x00+0x00+0x00+0x00+**checksum**]

Means: copy output port X edid to all input port

Output HDP status query package is 13byte:

This is a query command which mean you must send query package and then receive an answer.

For example: Query output 1(1~4) HPD status

Send package: A5 5B 01 05 **01** 00 00 00 00 00 00 00 F9

Receive package: A5 5B 01 05 01 00 **FF** 00 00 00 00 00 FA

The red **01** mean the output port number, it should be 1~4.

The blue **FF** mean this port's HPD is LOW, if **00** mean HIGH.

Input port status query package is 13byte:

This is a query command which mean you must send query package and then receive an answer.

For example: Query input 1(1~4) status

Send package: A5 5B 01 04 **01** 00 00 00 00 00 00 00 FA

Receive package: A5 5B 01 04 01 00 **FF** 00 00 00 00 00 FB

The red **01** mean the input port number, it should be 1~4.

The blue **FF** mean this port is plug out, if **00** mean plug in.

Beep on/off command package length is 13byte:

[0xa5+0x5b+0x06+0x01+**Beep onoff(0x0f:ON; 0xf0:OFF)**+0x00+0x00+0x00+0x00+0x00+0x00+0x00+**checksum**]

Beep on/off query package is 13byte:

This is a query command which mean you must send query package and then receive an answer.

For example:

Send package: A5 5B 01 0B 00 00 00 00 00 00 00 00 F4

Receive package: A5 5B 01 0B 00 00 **FF** 00 00 00 00 00 F5

The blue **FF** mean Beep off, if **00** mean Beep on.

IR command:

NEC code

#define SYSTEM_CODE 0x00

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#define IR_KEY_POWER 0x14

#define IR_KEY_OUTPUT_1_FROM_1 0x09
#define IR_KEY_OUTPUT_1_FROM_2 0x1D
#define IR_KEY_OUTPUT_1_FROM_3 0x1F
#define IR_KEY_OUTPUT_1_FROM_4 0x0D
#define IR_KEY_OUTPUT_1_PRE 0x1B
#define IR_KEY_OUTPUT_1_NEXT 0x11

#define IR_KEY_OUTPUT_2_FROM_1 0x17
#define IR_KEY_OUTPUT_2_FROM_2 0x12
#define IR_KEY_OUTPUT_2_FROM_3 0x59
#define IR_KEY_OUTPUT_2_FROM_4 0x08
#define IR_KEY_OUTPUT_2_PRE 0x55
#define IR_KEY_OUTPUT_2_NEXT 0x48

#define IR_KEY_OUTPUT_3_FROM_1 0x5e
#define IR_KEY_OUTPUT_3_FROM_2 0x06
#define IR_KEY_OUTPUT_3_FROM_3 0x05
#define IR_KEY_OUTPUT_3_FROM_4 0x03
#define IR_KEY_OUTPUT_3_PRE 0x07
#define IR_KEY_OUTPUT_3_NEXT 0x40

#define IR_KEY_OUTPUT_4_FROM_1 0x18
#define IR_KEY_OUTPUT_4_FROM_2 0x44
#define IR_KEY_OUTPUT_4_FROM_3 0x0f
#define IR_KEY_OUTPUT_4_FROM_4 0x51
#define IR_KEY_OUTPUT_4_PRE 0x1E
#define IR_KEY_OUTPUT_4_NEXT 0x0E
```