**1.RS-232 Command:**

Baudrate：115200

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+0x00+**checksum**]

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

Checksum = 0x100 – (0xa5+0x5b+0x02+0x03+**input port**+0x00+**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.

**Switch mode command package length is 13byte:**

[0xa5+0x5b+0x0B+0x01+**Switchmode(1~16)**+0x00+**outputport(1~4)**+0x00+0x00+0x00+0x00+0x00+**checksum**]

**Switch mode 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 Switch mode(1~16)

Send package: A5 5B 98 01 00 00 01 00 00 00 00 00 66

Receive package: A5 5B 98 01 02 00 01 00 00 00 00 00 64

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

The blue 02 mean the Switch mode index, it should be 1~16.

**Switch mode index list:**

Fast switching =1

Fade in/Fade out =2

Split Vertical Out =3

Split Horizontal Out =4

Wipe Right =5

Wipe Down =6

Wheel Clockwise 1 =7

Wheel Clockwise 4 =8

Box Out =9

Box In =10

Circle In =11

Circle Out =12

Blinds Horizontal =13

Blinds Vertical =14

Checkerboard Across =15

Checkerboard Down =16

**Switch time command package length is 13byte:**

[0xa5+0x5b+0x0B+0x02+**Switchtime(1~8)**+0x00+**outputport(1~4)**+0x00+0x00+0x00+0x00+0x00+**checksum**]

**Switch time 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 Switch time(1~8)

Send package: A5 5B 98 02 00 00 01 00 00 00 00 00 65

Receive package: A5 5B 98 02 04 00 01 00 00 00 00 00 61

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

The blue 04 mean the Switch time index, it should be 1~8.

**Switch time index list:**

 **1[0.5s] =1**

**2[1s] =2**

**3[1.5s] =3**

**4[2s] =4**

**5[2.5s] =5**

**6[3s] =6**

**7[3.5s] =7**

**8[4s] =8**

**INPUT mode command package length is 13byte:**

[0xa5+0x5b+0x0A+0x01+**inputmode(1~3)**+0x00+**inputport(1~4)**+0x00+0x00+0x00+0x00+0x00+**checksum**]

**INPUT mode 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 input 1 mode(1~3)

Send package: A5 5B 90 01 00 00 01 00 00 00 00 00 6E

Receive package: A5 5B 90 01 02 00 01 00 00 00 00 00 6C

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

The blue 02 mean the input mode index, it should be 1~3.

**Input mode index list:**

 HDMI =1

 VGA =2

 AV =3

**Scaler command package length is 13byte:**

[0xa5+0x5b+0x0A+0x0F+0x00+0x00+ **outputport(1~4)**+0x00+0x00+0x00+0x00+0x00+**checksum**]

**Edid set command package length is 13byte:**

[0xa5+0x5b+0x03+0x02+**Edid index(1~3)**+0x00+**input port(1~4)**+0x00+0x00+0x00+0x00+0x00+**checksum**]

[0xa5+0x5b+0x03+0x01+**Edid index(1~3)**+0x00+0x00+0x00+0x00+0x00+0x00+0x00+**checksum**]

Means: set edid mode to all input port

**Edid index list:**

 1080I,Stereo Audio 2.0 = 1

 1080P,Stereo Audio 2.0 = 2

 DVI 1920x1080 = 3

**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.

**Display Mode set command package length is 13byte:**

[0xa5+0x5b+0x13+0x01+**Display Mode index(1~3)**+0x00+0x00+0x00+0x00+0x00+0x00+0x00+**checksum**]

**Display Mode index list:**

 Matrix = 1

 Multi-viewer = 2

Video wall = 3

**Display Mode query command package length 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 13 02 00 00 00 00 00 00 00 00 **checksum**

Receive package: A5 5B 13 02 **Display Mode index(1~3)** 00 00 00 00 00 00 00 **checksum**

**Multi-viewer Mode set command package length is 13byte:**

[0xa5+0x5b+0x14+0x01+**Multi-viewer Mode index(1~4)**+0x00+0x00+0x00+0x00+0x00+0x00+0x00+**checksum**]

**Multi-viewer query command package length 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 14 02 00 00 00 00 00 00 00 00 **checksum**

Receive package: A5 5B 14 02 **Multi-viewer Mode index(1~4)** 00 00 00 00 00 00 00 **checksum**

**Video wall adjust X set command package length is 13byte:**

[0xa5+0x5b+0x15+0x01+ **X index(1~32)**+0x00+0x00+0x00+0x00+0x00+0x00+0x00+**checksum**]

**Video wall adjust Y set command package length is 13byte:**

[0xa5+0x5b+0x15+0x02+ **Y index(1~32)**+0x00+0x00+0x00+0x00+0x00+0x00+0x00+**checksum**]

**Video wall X and Y query command package length 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 15 03 00 00 00 00 00 00 00 00 **checksum**

Receive package: A5 5B 15 03 **X index(1~32)** 00 **Y index(1~32)** 00 00 00 00 00 **checksum**

**Multi-viewer Mode audio and Video wall input channel set command package length is 13byte:**

[0xa5+0x5b+0x16+0x01+**input index(1~4)**+0x00+0x00+0x00+0x00+0x00+0x00+0x00+**checksum**]

**Multi-viewer Mode audio and Video wall input channel query command package length 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 16 02 00 00 00 00 00 00 00 00 **checksum**

Receive package: A5 5B 16 02 **input index(1~4)** 00 00 00 00 00 00 00 **checksum**