**1.RS-232 Command:**

Baudrate：115200

Data width：8bit

Parity: none

Stop: 1bit

**Notice！**

**Command package length is 13byte:**

**Command**[1]+**Command**[2]+**Command**[3]+**Command**[4]+**Command**[5]+**Command**[6]+ **Command**[7]+**Command**[8]+**Command**[9]+**Command**[10]+**Command**[11]+**Command**[12]

+**Checksum = 0x00**

**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”

For example:

Set output A form input1 command:

A5 5B 02 03 01 00 01 00 00 00 00 00 F9

Set output A form input 2 command:

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

Set output A form input 3 command:

A5 5B 02 03 03 00 01 00 00 00 00 00 F7

Set output A form input 4 command:

A5 5B 02 03 04 00 01 00 00 00 00 00 F6

**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.

Query output B input port (1~4)

Send package: A5 5B 02 01 02 00 00 00 00 00 00 00 FB

Receive package: A5 5B 02 01 02 00 02 00 00 00 00 00 F9

Query output C input port (1~4)

Send package: A5 5B 02 01 03 00 00 00 00 00 00 00 FA

Receive package: A5 5B 02 01 03 00 03 00 00 00 00 00 F7

Query output D input port (1~4)

Send package: A5 5B 02 01 04 00 00 00 00 00 00 00 F9

Receive package: A5 5B 02 01 04 00 04 00 00 00 00 00 F5

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

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

For example:

Set Fast switching to output A command:

A5 5B 0B 01 01 00 01 00 00 00 00 00 F2

Set Fade in/Fade out to output B command:

A5 5B 0B 01 02 00 02 00 00 00 00 00 F0

Set Split Vertical Out to output C command:

A5 5B 0B 01 03 00 03 00 00 00 00 00 EE

Set Split Horizontal Out to output D command:

A5 5B 0B 01 04 00 04 00 00 00 00 00 EC

**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.

Query output B Switch mode(1~16)

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

Receive package: A5 5B 98 01 02 00 02 00 00 00 00 00 63

Query output C Switch mode(1~16)

Send package: A5 5B 98 01 00 00 03 00 00 00 00 00 64

Receive package: A5 5B 98 01 03 00 03 00 00 00 00 00 61

Query output D Switch mode(1~16)

Send package: A5 5B 98 01 00 00 04 00 00 00 00 00 63

Receive package: A5 5B 98 01 04 00 04 00 00 00 00 00 5F

**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**]

For example:

Set 0.5s to output A command:

A5 5B 0B 02 01 00 01 00 00 00 00 00 F1

Set 1s to output B command:

A5 5B 0B 02 02 00 02 00 00 00 00 00 EF

Set 1.5s to output C command:

A5 5B 0B 02 03 00 03 00 00 00 00 00 ED

Set 2s to output D command:

A5 5B 0B 02 04 00 04 00 00 00 00 00 EB

**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.

For example:

Query output B Switch time(1~8)

Send package: A5 5B 98 02 00 00 02 00 00 00 00 00 64

Receive package: A5 5B 98 02 02 00 02 00 00 00 00 00 62

For example:

Query output C Switch time(1~8)

Send package: A5 5B 98 02 00 00 03 00 00 00 00 00 63

Receive package: A5 5B 98 02 03 00 03 00 00 00 00 00 60

For example:

Query output D Switch time(1~8)

Send package: A5 5B 98 02 00 00 04 00 00 00 00 00 62

Receive package: A5 5B 98 02 04 00 04 00 00 00 00 00 5E

**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**]

For example:

Set HDMI to input 1 command:

A5 5B 0A 01 01 00 01 00 00 00 00 00 F3

Set VGA to input 2 command:

A5 5B 0A 01 02 00 02 00 00 00 00 00 F1

Set AV to input 3 command:

A5 5B 0A 01 03 00 03 00 00 00 00 00 EF

**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.

Query input 2 mode(1~3)

Send package: A5 5B 90 01 00 00 02 00 00 00 00 00 6D

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

Query input 3 mode(1~3)

Send package: A5 5B 90 01 00 00 03 00 00 00 00 00 6C

Receive package: A5 5B 90 01 03 00 03 00 00 00 00 00 69

Query input 4 mode(1~3)

Send package: A5 5B 90 01 00 00 04 00 00 00 00 00 6B

Receive package: A5 5B 90 01 01 00 04 00 00 00 00 00 6A

**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**]

For example:

Input 1:

A5 5B 0A 0F 00 00 01 00 00 00 00 00 E6

Input 2:

A5 5B 0A 0F 00 00 02 00 00 00 00 00 E5

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

[0xa5+0x5b+0x0A+0x0E+0x00+0x00+ **outputport(1~4)**+0x00+0x00+0x00+0x00+0x00+**checksum**]

For example:

Input 1:

A5 5B 0A 0E 00 00 01 00 00 00 00 00 E7

Input 2:

A5 5B 0A 0E 00 00 02 00 00 00 00 00 E6

**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**]

For example:

Set EDID mode 1080I,Stereo Audio 2.0 to Input 1:

A5 5B 03 02 01 F0 01 00 00 00 00 00 09

Set EDID mode 1080P,Stereo Audio 2.0 to Input 2:

A5 5B 03 02 02 F0 02 00 00 00 00 00 07

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

Means: set edid mode to all input port

For example:

Set EDID mode 1080I,Stereo Audio 2.0 to all inputs:

A5 5B 03 01 01 F0 00 00 00 00 00 00 0B

**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**]

For example:

Set Beep off:

A5 5B 06 01 F0 00 00 00 00 00 00 00 09

Set Beep on:

A5 5B 06 01 0F 00 00 00 00 00 00 00 EA

**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.

**Show Border command package length is 13byte:**

[0xa5+0x5b+0x0C+0x01+**Border(0x0f:Show; 0xf0:Hidden)**+0x00+0x00+0x00+0x00+0x00+0x00+0x00+**checksum**]

For example:

Show Border:

A5 5B 0C 01 0F 00 00 00 00 00 00 00 E4

Hidden Border:

A5 5B 0C 01 F0 00 00 00 00 00 00 00 03

**Border 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 0C 03 00 00 00 00 00 00 00 00 F1

Receive package: A5 5B 0C 03 F0 00 00 00 00 00 00 00 01

The blue F0 mean Hidden Border, if 0F mean Show Border.

**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**]

For example:

Matrix:

A5 5B 13 01 01 00 01 00 00 00 00 00 EA

Multi-viewer:

A5 5B 13 01 02 00 02 00 00 00 00 00 E8

Video wall

A5 5B 13 01 03 00 03 00 00 00 00 00 E6

**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 EB

Receive package: A5 5B 13 02 02 00 00 00 00 00 00 00 E9

The blue 02 mean Multi-viewer, if 01 mean Matrix, if 03 mean Video wall.

**Disply Mode index list:**

 Matrix = 1

 Multi-viewer = 2

Video wall = 3

**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**]

For example:

Mode 1:

A5 5B 14 01 01 00 01 00 00 00 00 00 E9

**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 EA

Receive package: A5 5B 14 02 01 00 00 00 00 00 00 00 E9

The blue 01 mean **Multi-viewer Mode index(1~4).**

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

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

For example:

Audio 1:

A5 5B 16 01 01 00 01 00 00 00 00 00 E7

**Multi-viewer Mode audio 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 E8

Receive package: A5 5B 16 02 03 00 00 00 00 00 00 00 E5

The blue 03 mean **Audio index(1~4).**

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

[0xa5+0x5b+0x14+0x03+**Main index(1~4)**+0x00+ **Mode index(1~4)**+0x00+0x00+0x00+0x00+0x00+**checksum**]

For example:

Set Main 1 to Mode 2:

A5 5B 14 03 01 00 02 00 00 00 00 00 E6

Set Main 4 to Mode 3:

A5 5B 14 03 04 00 03 00 00 00 00 00 E2

**Multi-viewer Mode Main 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:

Query Mode3’s main:

Send package: A5 5B 14 04 00 00 03 00 00 00 00 00 E5

Receive package: A5 5B 14 04 04 00 03 00 00 00 00 00 E1

The red 04 mean **Main index(1~4)**,two of blue 03 mean **Mode index(1~4).**

**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**]

For example:

A5 5B 15 01 01 00 00 00 00 00 00 00 E9

The red 01 mean the X number, it should be 1~32.

**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**]

For example:

A5 5B 15 02 02 00 00 00 00 00 00 00 E7

The red 02 mean the Y number, it should be 1~32.

**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 E8

Receive package: A5 5B 15 03 02 00 01 00 00 00 00 00 E5

The blue 02 mean **X index(1~32)**,the red 01 mean **Y index(1~32).**

**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**]

For example:

**input channel** 1:

A5 5B 16 01 01 00 01 00 00 00 00 00 E7

**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 E8

Receive package: A5 5B 16 02 03 00 00 00 00 00 00 00 E5

The blue 03 mean **input channel index(1~4).**