

**1.RS-232 Command:**

Baudrate : 9600  
Data width: 8bit  
Parity: none  
Stop: 1bit

**Port switch command package length is 18byte:**

[0x50+0x56+0x54+0x02+0x03+**inputport(1~5)**+0x00+0x01+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+**checksum**]

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

Checksum=(0x50+0x56+0x54+0x02+0x03+**inputport(1~5)**+0x00+0x01+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00)

**inputport(1~5): HDMI 1, HDMI 2, HDMI 3, HDMI 4, VGA**

For example: Set output form input 2 command:

50 56 54 02 03 02 00 01 00 00 00 00 00 00 00 00 00 02

**Port switch query package length is 18byte:**

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

For example: Query output

Send package: 50 56 54 02 01 01 00 00 00 00 00 00 00 00 00 00 00 FE

Receive package: 50 56 54 02 01 01 00 **02** 00 00 00 00 00 00 00 00 00 00

The blue **02** mean the input port number, it should be 1~5.

**Input auto configure package length is 18byte:**

[0x50+0x56+0x54+0x24+0x01+**InputAutoON/OFF**+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+**checksum**]

All you need to change is just “**InputAutoON/OFF**”, ”checksum”

For example: Set Input Auto OFF command:

50 56 54 24 01 F0 00 00 00 00 00 00 00 00 00 00 00 0F

**Input auto query package length is 18byte:**

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

For example: Query input auto

Send package: 50 56 54 24 02 00 00 00 00 00 00 00 00 00 00 00 00 20

Receive package: 50 56 54 24 02 **F0** 00 00 00 00 00 00 00 00 00 00 00 10

The blue **F0** mean input auto OFF, if 0F mean input auto ON;

**Aspect ratio configure package length is 18byte:**

[0x50+0x56+0x54+0x24+0x11+**AspectRatioIndex**+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00]

0+0x00+checksum]

All you need to change is just “AspectRatioIndex”, „checksum”

For example: Set Aspect Ratio 4:3 command:

50 56 54 24 11 01 00 00 00 00 00 00 00 00 00 00 30

**Aspect ratio query package length is 18byte:**

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

For example: Query Aspect ratio

Send package: 50 56 54 24 12 00 00 00 00 00 00 00 00 00 00 00 30

Receive package: 50 56 54 24 12 01 00 00 00 00 00 00 00 00 00 00 31

The blue 01 mean Aspect ratio 4:3, if 02 mean Aspect ratio 16:9;

**Enable Beep configure package length is 18byte:**

[0x50+0x56+0x54+0x06+0x01+EnableBeepON/OFF+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+checksum]

All you need to change is just “EnableBeepON/OFF”, „checksum”

For example: Set Enable Beep OFF command:

50 56 54 06 01 F0 00 00 00 00 00 00 00 00 00 00 F1

**Enable Beep query package length is 18byte:**

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

For example: Query Enable Beep

Send package: 50 56 54 01 0B 00 00 00 00 00 00 00 00 00 00 00 06

Receive package: 50 56 54 01 0B 00 00 FF 00 00 00 00 00 00 00 00 05

The blue FF mean Enable Beep OFF, if 00 mean Enable Beep ON;

**Resolution configure package length is 18byte:**

[0x50+0x56+0x54+0x0A+0x06+resolution(1~13)+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+checksum]

All you need to change is just “iresolution”, checksum”

Checksum=0x100 – (0xa5+0x5b+0x02+0x03+resolution(1~13)+0x00+0x00+0x00+0x00+0x00+0x00+0x00)

**resolution(1~13)**

3840x2160@60,

3840x2160@30,

1920x1080@60,

1920x1080@50,

1280x720@60,  
1280x720@50,  
1920x1200@60,  
1680x1050@60,  
1400x1050@60,  
1360x768@60,  
1280x800@60,  
1024x768@60,  
AUTO

For example: Set output resolution 1920x1080@60 command:  
50 56 54 0A 06 03 00 03 00 00 00 00 00 00 00 10

**Resolution query package length is 18byte:**

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

For example: Query **Resolution**

Send package: 50 56 54 90 06 00 00 00 00 00 00 00 00 00 00 90

Receive package: 50 56 54 90 06 03 00 00 00 00 00 00 00 00 00 93

The blue 03 mean the resolution is 1920x1080@60, it should be 1~13.

**PQ regulate package length is 18byte:**

[0x50+0x56+0x54+0x08+**TYPE(1~4)**+**DATA**+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+**checksum**]

All you need to change is just "TYPE", "DATA", "checksum"

Checksum=0x100

(0x50+0x56+0x54+0x08+**TYPE(1~4)**+**DATA**+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00)

**TYPE ( 1~4 )** :Contrast, Brightness, Color, Sharpness

Contrast and Brightness **DATA from 0 to 100**; Color **DATA from 0 to 60**;Sharpness **DATA from 0 to 20**

For example: Set Contrast 72 command:

50 56 54 08 01 48 00 48 00 00 00 00 00 00 00 93

**PQ 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 Contrast

Send package: 50 56 54 09 01 00 00 00 00 00 00 00 00 00 04

Receive package: 50 56 54 09 01 48 00 00 00 00 00 00 00 00 4C

The red 01 mean **query** the Contrast , it should be 1~4(Contrast, Brightness, Color, Sharpness)

The blue 48 mean the Contrast is 72 , it should be 0~100.

**Reset sys configure package length is 18byte:**



