

RS232 commands Operation guide for 4K60 4x1 HDMI Multiviewer

RS232 cable with straight-through connection

Communication protocol:

Baud rate: 115200

Data bit: 8

Stop bit: 1

Check bit: None

1. All commands start with GET or SET, end with .(point)
2. Command ignore letter case. For example, 'GET HELP.' is same as 'get help.'
3. Command 'SET WIN1 IN1.' or 'SET WIN 1 IN 1.' or 'Set Win1 In1.' are the same
4. Command parameters show as ' _ '

-----SYSTEM-----

```
GET HELP. //Get command list
GET VERSION. //Get Software verion
SET RESET. //Set to factory reset
SET REBOOT. //Set machine to reboot
GET IN STATUS //Set input1~4 cable status
```

-----RESOLUTION-----

```
SET OUT RES _ _ _ . //Set output resolution
SET OUT RES 1920 1080 60.
GET OUT RES. //Get current output resolution
SET IN_ RES RESET. //Set input y resolution to default
SET IN1 RES RESET.
SET INS RES RESET. //Set all input resolution to default
SET IN_ RES _ _ _ . //Set input y resolution
SET IN1 RES 1920 1080 60.
SET INS RES _ _ _ . //Set all input resolution
SET INS RES 1920 1080 60.
```

-----WINDOWS-----

```
SET WIN_ IN_ . //Set win x to in y
SET WIN1 IN1. -> Set win1 to in1
SET WINS IN_ . //Set win1~4 to input1~y
SET WINS IN1. ->Set win 1~4 to in1
SET WINS IN1 2. ->Set win 1 2 to in 1 2
SET WINS IN1 2 3. ->Set win 1 2 3 to in 1 2 3
SET WINS IN1 2 3 4. ->Set win 1 2 3 4 to in 1 2 3 4
SET WINS IN4 3 2 1. ->Set win 1 2 3 4 to in 4 3 2 1
SET WIN_ CROP ON. //Enable win x current input crop
SET WIN1 CROP ON.
SET WIN_ CROP OFF. //Disable win x current input crop
SET WIN1 CROP OFF.
SET WIN_ CROP _ _ _ _ . //Enable and set win x current input crop(Hstart,Vstart,Hsize,Vsize)
SET WIN1 CROP 0 0 960 540.
SET WIN_ POS SIZE _ _ _ _ . //Set win x coordinate(Hstart,Vstart,Hsize,Vsize)
SET WIN1 POS SIZE 0 0 800 600.
SET WIN_ POS _ _ . //Set win x position(Hstart,Vstart)
```

```

SET WIN1 POS 0 0.
SET WIN_ SIZE _ _ . //Set win x size(Hsize,Vsize)
SET WIN1 SIZE 800 600.
SET _ WIN MODE _ . // Set multi- x win mode N
SET 1WIN MODE1. -> 1WIN MODE1
SET 2WIN MODE1. -> 2WIN MODE1 to N
SET 3WIN MODE1. -> 3WIN MODE1 to N
SET 4WIN MODE1. -> 4WIN MODE1 to N
SET TEMPLATE _ . //Set multi-win template 1 to 8
SET TEMPLATE 1.
SET WIN_ ROT _ . //Set win x rotation y, y can be 0 90 180 270
SET WIN1 ROT 270. ->win1 rot 270
SET WINS ROT _ . // Set win 1~4 rotation, rotation can be 0 90 180 270
SET WINS ROT 270. ->win1~4 rot 270
SET WINS ROT 270 90. ->win1 rot 270, win2 rot 90
SET WINS ROT 270 90 180. ->win1 rot 270, win2 rot 90, win3 rot 180
SET WINS ROT 270 90 0 180. ->win1 rot 270, win2 rot 90, win3 rot 0, win4 rot 180

```

-----MOSAIC-----

```

SET WIN_ MOSAIC _ x _ _ _ . //Enable and set winx mosaic (hUnit,vUnit,hPos,vPos)
SET WIN1 MOSAIC 4x4 2 2.
SET WIN_ MOSAIC ON. //Enable win x mosaic
SET WIN1 MOSAIC ON.SET WIN_ MOSAIC OFF. //Disable win x mosaic
SET WIN1 MOSAIC OFF.

```

-----COLOR-----

```

SET BRIGHTNESS _ . //Set brightness value 0~255, default: 128
SET BRIGHTNESS 200.
SET BRIGHTNESS RGB _ _ _ //Set brightness R/G/B value 0~255, default 200 100 50.
->Set brightness t: 128
SET BRIGHTNESS RGB 200. ->Set brightness R t 100. ->Set brightness
RG to 200
SET BRIGHTNESS RGB 200o 200 100
SET BRIGHTNESS RGBRGB to 200 100 50
SET CONTRAST _ . //Set contrast value 0~100, default: 50
SET CONTRAST 80.

```

-----MODE-----

```

SET LOAD MODE _ . // Load mode 1 ~ 10
SET LOAD MODE1.
SET SAVE MODE _ . // Save mode 1 ~ 10
SET SAVE MODE1.

```

-----AUDIO-----

```

SET AUDIO MUTE ON. //Audio mute
SET AUDIO MUTE OFF. //Audio Unmute
SET AUDIO VOL _ . //Set audio volume value 0 ~ 100, default: 100
SET AUDIO VOL 80.
SET AUDIO VOL+. //Audio volume+1
SET AUDIO VOL-. //Audio volume-1
SET AUDIO WIN _ . //Set Audio to win x
SET AUDIO WIN1.
SET AUDIO IN _ . //Set Audio to in y
SET AUDIO IN1.

```

-----**HDCP**-----

SET HDCP ON.	//Enable HDCP Tx
SET HDCP OFF.	//Disable HDCP Tx
SET HDCP AUTO.	// Enable and set HDCP Tx to 2.2 or 1.4
SET HDCP 14.	// Enable and force set HDCP Tx to 1.4
SET HDCP 22.	// Enable and force set HDCP Tx to 2.2