4K60Hz Quad-View HDMI Mouse Roaming KVM Processor

User Manual

THREE YEAR
Manufacturer Warranty

04-1387B

P/N: CE-KV0J11-S1

⚠ Safety and Notice

The device has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipment, the device should be used with care. Please read and follow the safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

- Follow all instructions and warnings marked on this unit.
- Do not attempt to service this unit yourself, except where explained in this manual.
- Provide proper ventilation and air circulation and do not use near water.
- Keep objects that might damage the device and assure that the placement of this unit is on a stable surface.
- Use only the power adapter and power cords and connection cables designed for this unit.
- Do not use liquid or aerosol cleaners to clean this unit.
- Always unplug the power to the device before cleaning.

ESD CAUTION

Features

- 4x HDMI inputs and 2x HDMI outputs

- Input resolutions support from 640x480 to 4k@60Hz (4:4:4 8bits), interlaced or progressive

- Output resolutions support up to 4K@60Hz 4:4:4 8bits

- Supports full screen & quad-view display

- HDCP 1.4/2.2 compliant

- Supports L/R audio extract

- Supports un-compressed 7.1ch digital HDMI

- Supports Web control, IR remote and front panel control

- Supports mouse roaming at the default Quad view mode

- Supports two USB3.0 ports to share USB devices

- Supports independent HID keyboard & mouse ports

- Supports hotkey control

- Plug and Play without any driver needed

- Firmware upgradable

Package contents

- 4K60Hz Quad-View HDMI Mouse Roaming KVM Processor

- HDMI cable x4

- USB + MIC +Stereo cable x4

- IR remote control

- IR receive cable

- Power adapter DC 12V/3.33A

- User Manual

Layout
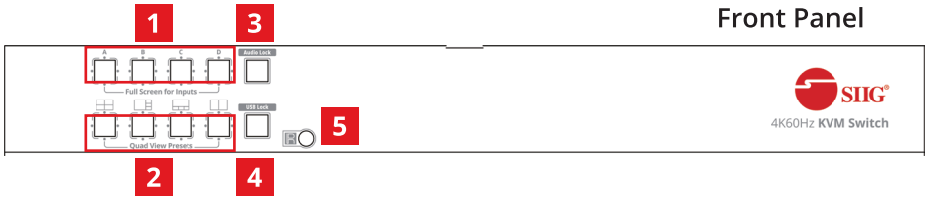
1. Full screen display: source selection

2. Display mode : select display mode

3. Audio Lock: lock the selected PC stereo audio in/out to console

4. USB Lock: lock the selected PC USB to console

5. IR SENSOR: receiving the IR commands from IR remote

Rear Panel
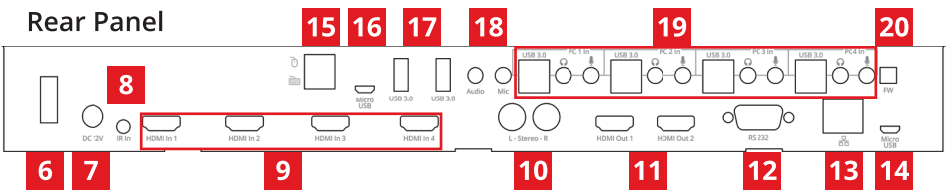
6. Power switch:

7. DC power jack: connect to power adapter DC 12V/3.33A

8. IR Receiver: for plugging in the extension IR receive cable

9. HDMI input: connect to PC HDMI output

10. L/R Stereo Audio output: connect to speaker

11. Console HDMI OUT: connect to display (1&2 have same video output) Output2 support 4K60 down-scaling to 1080p60

12. RS-232 control port: reserved

13. Ethernet: connect to LAN for WEB control

14. Micro USB: for Quad-Viewer F/W update

15. USB HID ports: only for keyboard and mouse use

16. Micro USB: for KVM F/W update

17. Console USB 3.0 hubs: connect to USB devices, 5Gbps, 5V/900mA

18. Console Audio: connect to 3.5mm speaker and microphone

19. KVM USB 3.0 Type-B 1-4: connect the USB cable to PC
    KVM Stereo Audio IN 1-4: connect the 3.5mm cable to PC
    KVM Stereo Audio OUT 1-4: connect the 3.5mm cable to PC
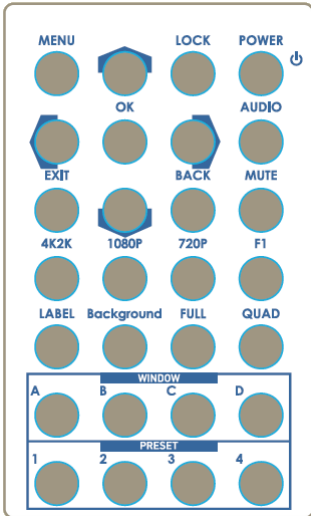
20. 2-Pin Dip Switch: for KVM F/W update

Position		Description
PIN#1 PIN#2	ON[⬇] ON[⬇]	KVM firmware update mode
	ON[⬇] OFF[⬆]	Reserved
	OFF[⬆] ON[⬇]	Working mode
	OFF[⬆] OFF[⬆]	Reserved

Hotkey

Default setting, all of the following commands begin by pressing the **[Scroll Lock]** or **[Ctrl]** key twice. Please follow the Hotkey command listed below for selected operating functions:

Hot key Definition	
[Ctrl] + [Ctrl] + [NUMBER1~4]	Switch input 1~4 source to output in Full screen mode
[Ctrl] + [Ctrl] + [F1/F2/F3/F4]	Quad view mode 1 -4 select
[Ctrl] + [Ctrl] + [L] + [U]	USB Lock/ USB Unlock
[Ctrl] + [Ctrl] + [L] + [A]	3.5mm Audio Lock/ Audio Unlock
[Ctrl] + [Ctrl] + [A] + [Number 1~4]	Under quad view mode, select PC 1~4 Audio to HDMI output
[Ctrl] + [Ctrl] + [O] + [F] + [F]	Turn off HOTKEY function
[Ctrl] + [Ctrl] + [O] + [N]	Turn on HOTKEY function

IR remote control

Button	Function
MENU	OSD menu
▲	Arrow button (up)
LOCK	Lock/unlock the device
POWER	Power on/off the device
◄	Arrow button (left)
OK	Trigger the setting
►	Arrow button (right)
AUDIO	Select audio sources
EXIT	Exit from the menus
▼	Arrow button (down)
BACK	Back to previous page of OSD menu
MUTE	Turn off the audio
4K2K	Switch output resolution to 4K2K 60Hz
1080P	Switch output resolution to 1080p 60Hz
720P	Switch output resolution to 720p 60Hz
F1	Reserved
LABEL	Window label ON/OFF
Background	Reserved
FULL	Fast switch to full screen mode *Combination button: After pressing the FULL button, please press the A/B/C/D button to switch window
QUAD	Fast switch to quad-view mode
A	Select source A to be the input source
B	Select source B to be the input source
C	Select source C to be the input source
D	Select source D to be the input source
1	User preset 1
2	User preset 2
3	User preset 3 *Need to set the preset layouts in the software
4	User preset 4

Web control

The default IP is 192.168.1.179

User can choose Operator or Admin account to login.

1. The password of Operator: operator
2. The password of Admin: admin
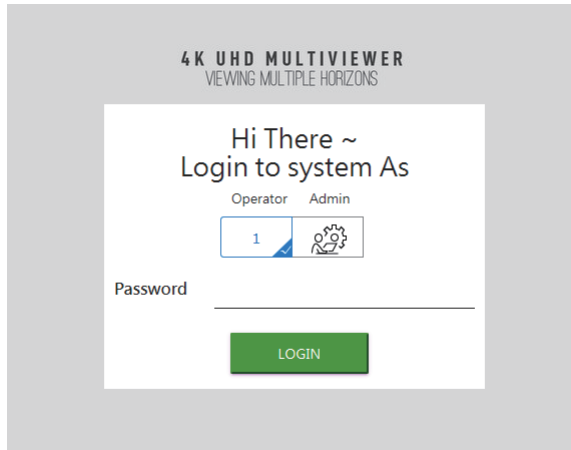
- **Routing:**

  We provide full screen, quad, and 18 preset modes for user to select. Then you can set different channels (1-4) for windows (A-D) and select the sound output source. In addition, you can turn on or turn off the sound and screen of each window arbitrarily.

  *The preset mode does not support the mouse roaming function.
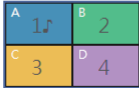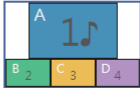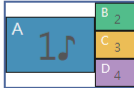
- **I/O Status:**

Output

Feature	Output
RSENSE	low
HPD	low
HDCP	N

Input

Feature	Input 1	Input 2	Input 3	Input 4
Color Depth	n/a	n/a	n/a	n/a
Color Space	n/a	n/a	n/a	n/a
HDCP	N	N	N	N
Active Signal	N	N	N	N
Horizontal Resolution	0	0	0	0
Vertical Resolution	0	0	0	0
Progressive / Interlaced	n/a	n/a	n/a	n/a
Refresh Rate	n/a	n/a	n/a	n/a
Video Mode	n/a	n/a	n/a	n/a

- **Video Setup:**

  Output Resolution: Select the output resolution.

  Select Window: Select the window you want to set.

  Picture Settings: Set the picture details for the selected window, including "Brightness", "Contrast", "Saturation", and "Hue".

  In addition, you can determine if the window's label/border is turned on or off.

Output Resolution

720 x 480 60Hz	720 x 576 50Hz	1280 x 720 50Hz	1280 x 720 59Hz
1280 x 720 60Hz	1920 x 1080 30Hz	1920 x 1080 50Hz	1920 x 1080 59Hz
1920 x 1080 60Hz	3840 x 2160 30Hz	3840 x 2160 50Hz	3840 x 2160 59Hz
3840 x 2160 60Hz			

Select Window

Window	A	B	C	D

Picture Settings

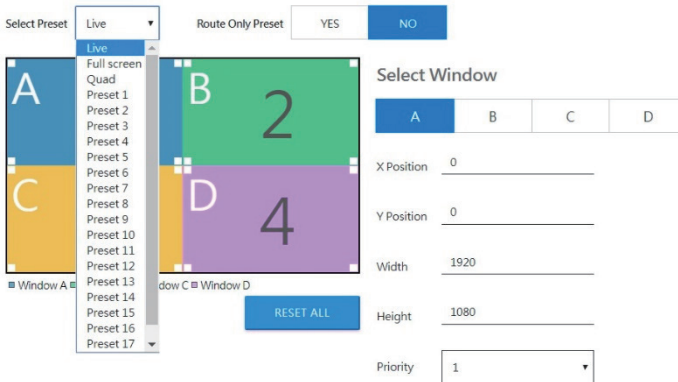| Brightness	50
Contrast	50
Saturation	50
Hue	50

Source Label YES   Window Label YES

Border YES   Border Tally YES

- **Windows Setup:**

   First, choose a preset mode to set, and then you can set individually for each window, including "X Position", "Y Position", "Width", "Height", etc. You can also directly select the area to move the position and change the size. If you choose live mode, you can see the changes from the screen immediately after setting. Besides, you can also set different channels (1-4) for windows (A-D) and select the sound output source here.

- **HPD Control:**

  You can re-plug input and output by clicking "PULSE" button.

  Inputs

  Input 1   PULSE

  Input 2   PULSE

  Input 3   PULSE

  Input 4   PULSE

             PULSE ALL

  Output

  Output   PULSE

- **HDCP:**

  You can set HDCP mode for each input, including "Reject", "Accept 1.4 only", and "Accept 1.4 & 2.2", and you can also set the output mode, including "Follow Input", "Always Encrypt 1.4", and "Always Encrypt 2.2."

  HDCP Pass Through

  Inputs

Input 1	Reject	Accept 1.4 only	Accept 1.4 & 2.2
Input 2	Reject	Accept 1.4 only	Accept 1.4 & 2.2
Input 3	Reject	Accept 1.4 only	Accept 1.4 & 2.2
Input 4	Reject	Accept 1.4 only	Accept 1.4 & 2.2

  Outputs

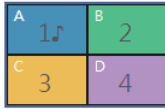 | | | | |
  |---|---|---|---|
  | HDMI | Follow Input | Always Encrypt 1.4 | Always Encrypt 2.2 |

- **Background:**

  Reserved

- **Names:**
  You can set names for 18 preset modes. You can also set names for inputs and windows to be shown with the video. After you finish naming, remember to click "SAVE" button to save the settings.
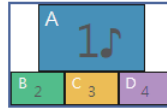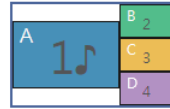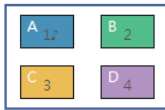

Preset Names

Full screen	Quad	Preset 1	Preset 2
Preset 3	Preset 4	Preset 5	Preset 6
Preset 7	Preset 8	Preset 9	Preset 10
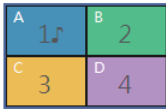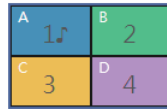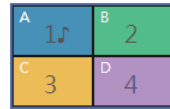
Input Names

Input 1	Input 1
Input 2	Input 2
Input 3	Input 3
Input 4	Input 4

Window Names

Window A	Window A
Window B	Window B
Window C	Window C
Window D	Window D

- **EDID mode:**

  You can select EDID mode of input 1-4, and check the name of each EDID and whether to lock it.

- **EDID Copy:**

  You can select EDID from output and inputs to copy, and select the destination. Then click "Copy" button to complete the copy.

- **EDID Info:**

  You can choose different input EDID through the drop-down list to check the feature and audio formats.

13

- **EDID Upload/Download:**
  You can click "BROWSE" button to open EDID from file, and select
  the destination. Then press "UPLOAD" button to upload EDID.
  You can also download EDID to your computer.

- **Network setting:**

- **System:**

Unsolicited Feedback	Enable / **Disable**
OSD Timeout	Disable / 5 Sec / 10 Sec / **30 Sec** / 60 Sec
Firmware Version	v1.36
Download Current Configuration to PC	DOWNLOAD

Restore/Upload Configuration File

BROWSE...   RESTORE

Warning: All current settings will be lost

| Factory Reset | RESET |
| Reboot | REBOOT |

- **Power:**

  Lock / Unlock: Click button to lock or unlock the device.
  Power Off / Unit powered on: The device is powered on. Click
  "Power Off" button to turn off the power
  Power On / In standby mode: The device is in standby mode. Click
 "Power On" button to turn on the power.

OSD Control

|			
1.	**Main**	Presets	Full Screen, Quad, Preset 1-18
		Routing	Input 1-4, Off
		Audio	Input 1-4, Mute
		Switch Mode	Seamless, Fade In/Out, Dissolve, Wipe
		Wipe Mode	Left to Right, Right to Left, Up to Down, Down to Up
		Transition Time	0.0-10.0
		HDR	Enable, Disable
2.	**Setup**	Output Resolution	480p, 576p, 720p 50Hz, 720p 59.94, 720p 60Hz, 1080p 30Hz, 1080p 50Hz, 1080p 59.94Hz, 1080p 60Hz, 2160p 30Hz, 2160p 50Hz, 2160p 59.94Hz, 2160p 60Hz
		Window Setup	Picture (Brightness, Contrast, Saturation, Hue), Layout (X Position, Y Position, Width, Height, Priority), Label (On, Off)
		HPD Control	Input 1-4, Pulse ALL, Output
		HDCP	Follow Input, Always On 1.4, Always On 2.2
		Background	Reserved
		Audio Mode	Follow Full-Screen, Fixed
		Save Preset	Preset 1-18
3.	**EDID**	Input1-4	External, Custom, Internal 1080p30, Internal 1080p60, Internal 4K30, Internal 4K60
4.	**Network**	IP Settings	Mode, IP Address, Subnet, Gateway, HTTP Port
		TCP/Telnet Settings	TCP Access, Telnet Port, Login Message, and Telnet Login
5.	**System**	Unsolicited Feedback	Enable, Disable
		OSD Timeout	Off, 5 seconds, 10 seconds, 30 seconds, 60 seconds
		Firmware Version	Firmware Version information
		Factory Reset	No, Yes
		Reboot	No, Yes

Firmware update

Firmware update is proceeded through Micro-USB

• **KVM F/W update**

1. Connect the Micro-USB to USB cable between PC and device

2. Set dip switch [PIN#1,PIN#2] to ON[⬇], OFF [⬆]and then power on device

3. Open firmware update software and then select COM Port
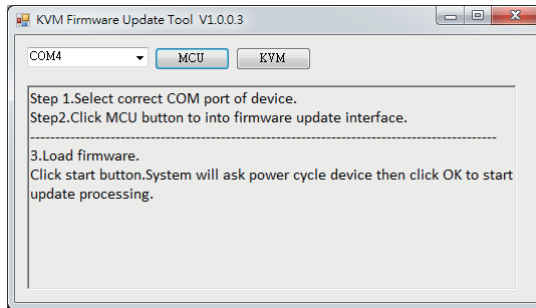
4. Click "KVM" button to open "KVM Firmware Update" windows. Check all items and click each "…" button to select the file which you want to write into the device.
   Click the "Burn" button to start the firmware update
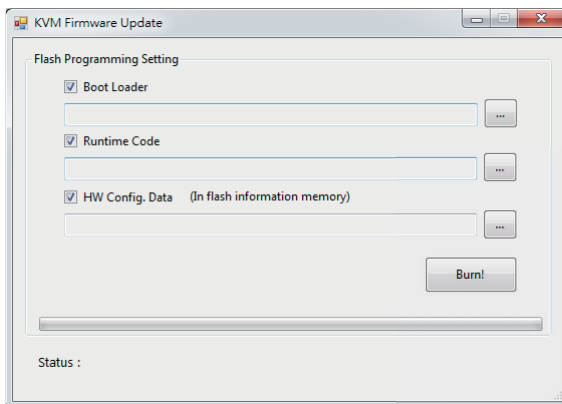
5. After updating, please set the dip switch [PIN#1,PIN#2] to OFF[⬆] ,ON[⬇] and power cycle the device

17

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Thank You
for your purchase!

Support
Support For more info or tech support **http://www.siig.com/support**