



2-Port 4K HDMI KVM Switch with PBP Roaming Mouse & PIP



P/N: CE-KV0G11-S1
User's Manual
Ver. 04-1383C



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1. KVM Switch

1.1. Features

- Supports Video Scaler & PIP (Picture-in-Picture) / PBP (Picture-by-Picture) video mixer up to 4K@30Hz (4:4:4).
 - * Suitable for general displays with no Top-Bottom or Left-Right PBP function.
- Unique full-frame function doesn't sacrifice any display area in PBP mode.
- Image stays unstretched in PBP mode.
- Zero-latency swap between PIP & Full-screen mode.
- Adjustable PIP images' Size / Position / Transparency
- 8 sets of user's presets for fast configuration.
- HDCP 1.4 compliant
- 4K scaler function ensure Pixel-to-Pixel Matching for most displays.
- 3-way control methods for easy selection:
 - * Front Panel Push Buttons
 - * Hotkey Control
 - * Roaming Mouse Switch
- Keyboard & Mouse Plug-n-Play, no software & driver Required.
- Support Windows / Linux
- Support 3.5mm audio & HDMI audio connection.

1.2. Package Contents

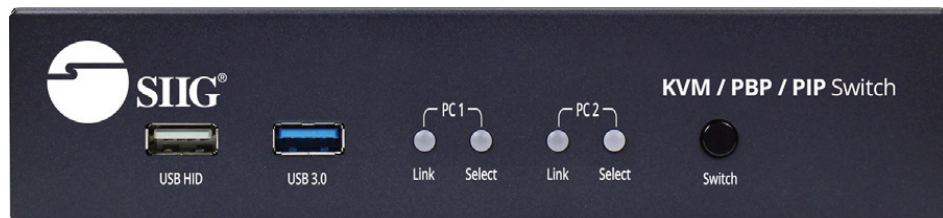
Check the following items in the package.

	Item	Q'ty
☐	2-Port 4K HDMI KVM Switch with PBP Roaming Mouse & PIP	1
☐	12V/1.5A Power Adapter	1
☐	User's Manual	1

1.3. Specifications

Video Resolution (Max.)	3840 x 2160 @30Hz (4:4:4)	
Computer Ports	USB Ports	2x USB 3.2 Gen 1 -B
	Video Input Ports	2x HDMI
	3.5mm Audio Inputs	2x Speaker Ports
Console Port	USB Ports	1x USB 3.2 Gen 1 - A (Rear) 1x USB 3.2 Gen 1 - A (Front)
		3x USB HID - A (Rear) 1x USB HID - A (Front)
	Video Output Port	1x HDMI
	3.5mm Audio Output	1x Speaker
Output Modes	Mode 1	Top - Bottom PBP
	Mode 2 - Landscape	Left - Right PBP
	Mode 2 - Portrait	Top - Bottom PBP
	Mode 0	Full Screen
	Mode 7	PIP
Hotkey Control	Yes	
Roaming Mouse Switch	Yes (PBP mode only)	
Push Button Control	1x Push Button (Front)	
System LED Indicators	2x Computer On-Line 2x Computer Selected	
Hot Plug-n-Play	Yes	
MAX. Cable Length	3m (10ft) for USB	
Auto Scan	3/8/15/30 Secs.	
Dimensions	40 x 176 x 110 mm (H x W x D)	
Power Supply	DC 12V	
Regulation & Safety	• FCC • CE • Reach • RoHS • WEEE • CA65 Warning • TAA Compliant	

1.4. Front Panel



USB HID	USB HID Console Port	Connect to keyboard or mouse only.
USB 3.0	USB 3.2 Gen 1 Console Port	Connect to USB 3.2 Gen 1 device. 5Gbps, 5V/900mA.
Link	Port Status Indicator	Green: This PC is connected (Power On).
Select		Red: PC1 or PC2 is selected.
Switch	Port Selection Button	Press to select between PC1 or PC2.

1.5. Rear Panel



Power Jack	DC In	Power adapter input (DC 9V~12V, 1.5A).
Consol	USB HID	Connect to keyboard & mouse only.
	HDMI Out	Connect to display (Resolution up to 4K@30Hz).
	Audio	Connect to speaker or earphone.
PC2, PC1	HDMI In	Connect to PC1, PC2 video port.
	USB 3.0 (Type-B)	Connect to PC1, PC2 USB 3.2 Gen 1 port.
	Audio	Connect to PC1, PC2 Speaker/Earphone port.
USB 3.0	USB 3.2 Gen 1 Console Port (Type-A)	Connect to USB 3.2 Gen 1 device. 5Gbps, 5V/900mA.

2. Basic Operation

2.1. Hotkey Control

The operation of KVM switch is mainly controlled by hotkey sequence. A hotkey command is a short keyboard sequence for selecting among PCs, activating PC scan, etc.

The KVM Switch interprets keystrokes for hotkeys all the time. A hotkey sequence starts with **HK_LCode** followed by **one or two more keystrokes**.

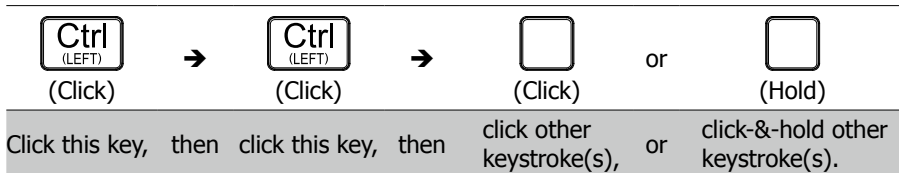
A built-in buzzer will generate one high-pitch beep for correct hotkey command or one low-pitch beep for error, so that a wrong key sequence will not be forwarded to the selected PC.

As shown below, use the keys on keyboard to input hotkey sequence, especially the **1~0** number keys and **Left-side Ctrl** key. Note that the keys on the Left-side and Right-side are different commands for the hotkey.

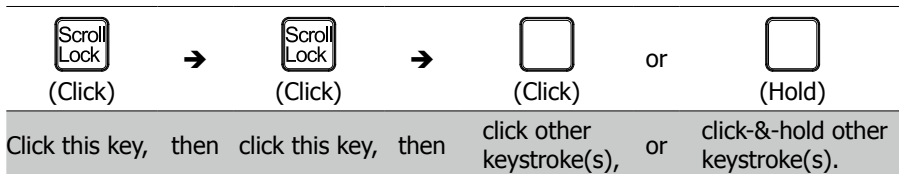


A hotkey command is created by clicking the following keystrokes combination:

Left-side Ctrl key (Default):



or **Scroll Lock** key:



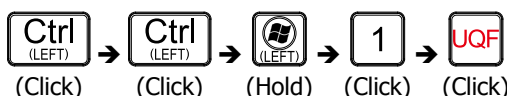
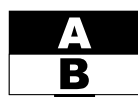
3. Display Screen Layout Control

Use hotkey command to control screen layout modes.

- Switching between modes or resolutions might take 10~12 seconds depending on display's response time.
- Switching between screen layout modes might require image fine-tuning. User can save fine-tuned setting to user's presets.

3.1. Top-Bottom PBP Layout (Mode 1)

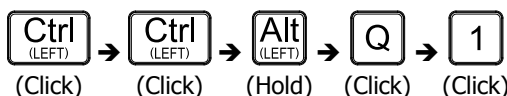
Mode 1 features Vertical PBP mode, The KVM Switch sends proper EDID to both video sources. Mouse Roaming is configured as Top-Bottom & no boundary.



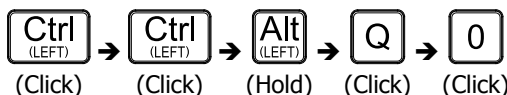
U: 3840x2160@30Hz
Q: 2560x1440@60Hz
F: 1920x1080@60Hz



Mouse roaming
on

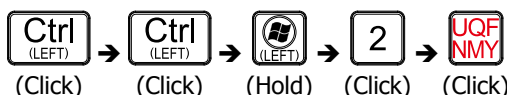


Mouse roaming
off



3.2. Left-Right PBP Layout (Mode 2 Landscape)

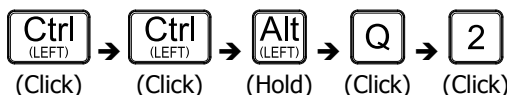
Mode 2 Landscape features Left-Right PBP mode, The KVM switch sends proper EDID to both video sources. Mouse Roaming is configured as Left-Right & no boundary.



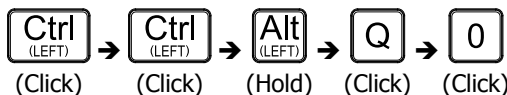
U: 3840x2160@30Hz
Q: 2560x1440@60Hz
F: 1920x1080@60Hz
N: 3440x1440@50Hz
M: 2560x1080@60Hz
Y: 3840x1080@60Hz



Mouse roaming
on

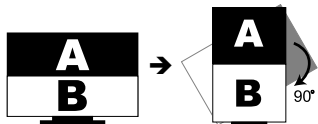


Mouse roaming
off



3.3. Vertical PBP Layout (Mode 2 Portrait)

Mode 2 Portrait features Top-Bottom PBP mode, The KVM switch sends proper EDID to both video sources. Mouse Roaming is configured as Top-Bottom & no boundry.



1. Turn the display 90°
2. Configure 2 PCs to display 90° views

 Mouse roaming on	 (Click)	→	 (Click)	→	 (Hold)	→	 (Click)	→	 (Click)	U: 3840x2160@30Hz Q: 2560x1440@60Hz F: 1920x1080@60Hz N: 3440x1440@50Hz M: 2560x1080@60Hz Y: 3840x1080@60Hz
	 (Click)	→	 (Click)	→	 (Hold)	→	 (Click)	→	 (Click)	
	 (Click)	→	 (Click)	→	 (Hold)	→	 (Click)	→	 (Click)	
Mouse roaming off										

3.4. Full Screen Layout (Mode 0)

Mode 0 features Full Screen mode. The KVM switch works like traditional KVM Switch. User can copy EDID from main output in this mode.

	 (Click)	→	 (Click)	→	 (Hold)	→	 (Click)	→	 or  (Click)
--	---	---	---	---	--	---	---	---	---

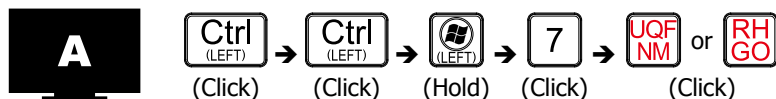
U: 3840x2160@30Hz
Q: 2560x1440@60Hz
F: 1920x1080@60Hz
N: 3440x1440@50Hz
M: 2560x1080@60Hz

[Up-scaling]		R: 2560x1440@60Hz input ↗ 3840x2160@30Hz output
		H: 1920x1080@60Hz input ↗ 3840x2160@30Hz output
		G: 1920x1080@60Hz input ↗ 2560x1440@60Hz output
		O: 2560x1080@60Hz input ↗ 3440x1440@30Hz output

- Mouse Roaming will be disabled in this mode.

3.5. PIP Layout (Mode 7)

Mode 7 features PIP mode. The selected PC's contents are showed on display as PIP image.



U: 3840x2160@30Hz
 Q: 2560x1440@60Hz
 F: 1920x1080@60Hz
 N: 3440x1440@50Hz
 M: 2560x1080@60Hz

[Up-scaling]

 R: 2560x1440@60Hz input ↗ 3840x2160@30Hz output
 H: 1920x1080@60Hz input ↗ 3840x2160@30Hz output
 G: 1920x1080@60Hz input ↗ 2560x1440@60Hz output
 O: 2560x1080@60Hz input ↗ 3440x1440@30Hz output

- Mouse Roaming will be disabled in this mode.

3.6. Up-scaling Output for Mode 0, Mode 7

The video Up-scaling function is specially useful for source compatibility or KVM extender compatibility. For example:

1. Source is capable of only 1080p output.
2. Source is placed 150-meter away and requires long-reach function of HDBaseT Extension (1080p). In such cases, the scaled output can improve image clarity on modern hi-resolution displays.

3.7. PIP Swap Control

Swap between PIP mode and Full Screen mode.



3.8. PIP Position Control

Set PIP screen to Top-Right position.



Set PIP screen to Top-Left position.



Set PIP screen to Bottom-Left position.

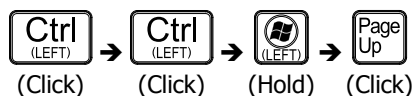


Set PIP screen to Bottom-Right position.

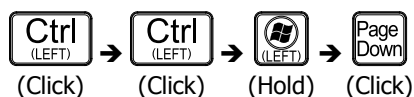


3.9. Main Screen Size Control

[Enlarge]

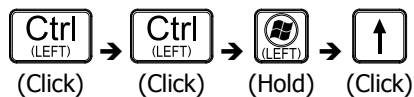


[Shrink]

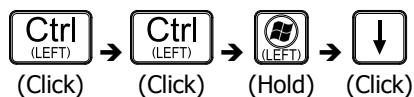
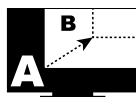


3.10. PIP Size Control

[Enlarge]

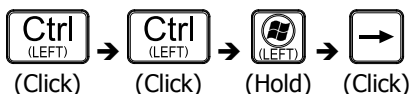


[Shrink]

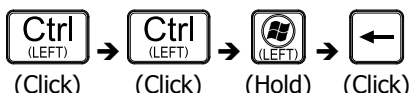


3.11. PIP Transparency Control

[Increase]



[Decrease]



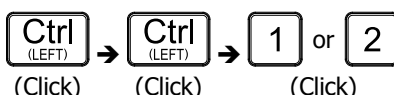
4. Other Control

4.1. Port Selection

Select

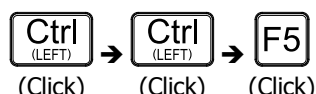
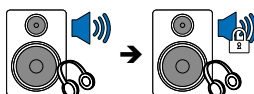


or

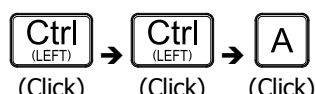


4.2. Audio Switch

Audio follow port switching on/off

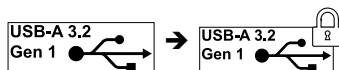


Force audio follow current port

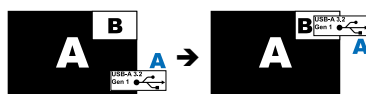


4.3. USB 3.2 Gen 1

USB 3.2 Gen 1 follow port switching on/off



Force USB 3.2 Gen 1 follow current port



- Switching the USB 3.2 storage device might take 15 seconds depending on PC system response time.

4.4. Change L-Ctrl to R-Ctrl

Change  to 
 (Click) (Click)

 →  →  →  → 
 (Click) (Click) (Hold) (Click) (Release)

4.5. Change from R-Ctrl to L-Ctrl

Change from  to 
 (Click) (Click)

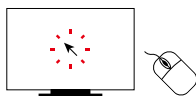
 →  →  →  → 
 (Click) (Click) (Hold) (Click) (Release)

4.6. Return to Factory Default Setting

  →  →  →  →  → 
 (Click) (Click) (Hold) (Click) (Click) (Click)

4.7. Find Mouse Cursor

Move the cursor to the center of the consol screen.



 →  → 
 (Click) (Click) (Click)

4.8. Swap the Video Position

 →   →  → 
 (Click) (Click) (Click)

4.9. Swap the Video Control

 →   →  → 
 (Click) (Click) (Click)

4.10. Previous/Next Switch Control

 →   →  →  →  or 
 (Click) (Click) (Hold) (Click)

5. Mouse Roaming

Use hotkey command to control mouse roaming ONLY in PBP screen layout mode.

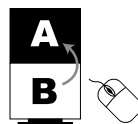
Mouse works in the screen where it positioned. No further command required.



Top-Bottom PBP



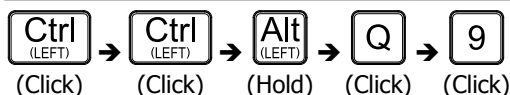
Left-Right PBP



Vertical PBP

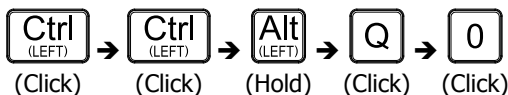
5.1. Turn On Mouse Roaming

Turn on mouse roaming



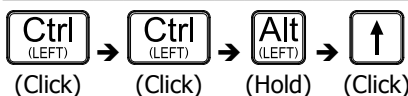
5.2. Turn Off Mouse Roaming

Turn off mouse roaming



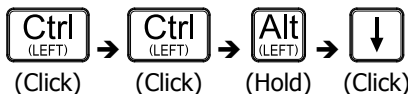
5.3. Setting Lower DPI

Increase mouse moving speed



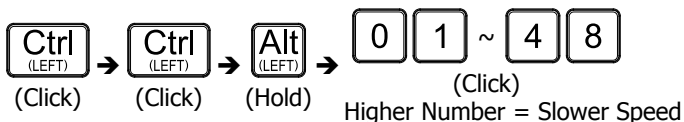
5.4. Setting Higher DPI

Decrease mouse moving speed



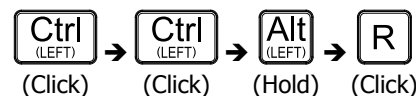
5.5. Setting Mouse Roaming Speed

Set mouse moving speed



5.6. Borderless Circulation

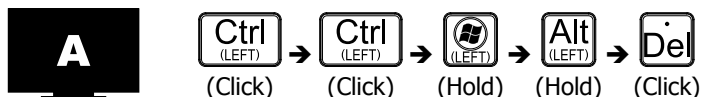
Enable/Disable Borderless Circulation



6. Image Fine-tuning

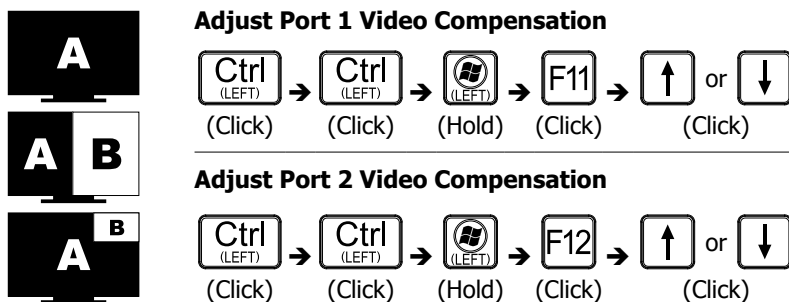
6.1. Image Re-Synchronize

If the image engine doesn't work properly, image re-synchronization should be proceed to resume normal operation.



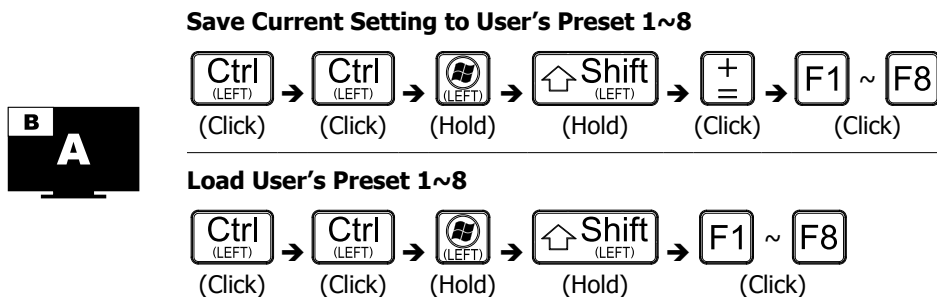
6.2. Video Compensation Adjustment

In different resolution & layouts (Full Screen/PBP/PIP), there might be slight differences in compensation requirement which might result in image flicker. Adjusting video compensation can greatly improve image quality under such circumstances.



6.3. User's Presets

User can restore up to 8 presets.





2 Year Warranty

SIIG, Inc. offers a 2-year manufacturer warranty with this product. This warranty covers the original purchaser and guarantees the product to be free of any defects in materials or workmanship for two (2) years from the date of purchase of the product.

SIIG, Inc. will, at our discretion, repair or replace (with an identical product or product having similar features and functionality) the product if defective in materials or workmanship.

You do not have to complete any registration with SIIG, Inc. to obtain warranty service. However, you must provide SIIG, Inc. proof of purchase as the original purchaser in order to be eligible for this warranty.

The customer is responsible for the shipping cost to SIIG, Inc., but SIIG Inc. will pay the return postage.

SIIG, Inc. shall not be liable for any incidental or consequential damages caused by the breach of any express, implied or statutory warranty or condition.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. The above limitations may be inapplicable if in conflict with the laws of a particular jurisdiction.

About SIIG

Since 1985, SIIG Inc. has led the way in creating IT and AV connectivity solutions you can trust. Built on core values of professional integrity with customer satisfaction as the focus point, our company is committed to providing top-notch service, support, and product solutions that elevate your AV and IT user experience. As our 30+ year legacy continues, our team will diligently contribute insights and add unique value to various industry markets on how people can better connect with technology.

To send us a message, go to <https://www.siig.com/contact-us>

For Technical Support and RMA, go to <https://www.siig.com/support> to submit your request.

Headquarters

SIIG, Inc.
31038 Huntwood Ave, Hayward, CA 94544, USA
Phone: (510) 657-8688
Business Hours: M-F 8:00AM-5:00PM PT

Sales Support

Tel: (510) 657-8688 & press 1
Email: sales@siig.com

SIIG Support

Tel: (510) 657-8688 & press 3
Email: support@siig.com
Our LIVE phone support hours are listed below in PST Monday-Friday:

- 10am - 12noon
- 2pm - 4pm

RMA Support

Tel: (510) 657-8688 & press 2
Email: rma@siig.com