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SIIG CE-KV0G11-S1 2-Port 4K HDMI KVM Switch User Manual

Contents

SIIG

SIIG CE-KV0G11-S1 2-Port 4K HDMI KVM Switch User

Features

- Supports Video Scaler &PIP/PBP Video Mixer Up to 4K@30Hz (4:4:4)
- Unique Full-Frame PBP doesn't sacrifice any display area for PBP
- Image stays unstretched in PBP Modes
- Zero-Latency Swap between PIP & Full-Screen Mode
- User Can Adjust PIP Images' Size / Location/ 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 Ways Control Methods for Easy Selection:
  - Front Panel Push Buttons
  - Hotkey Control
  - Roaming Mouse Switch
- Keyboard &Mouse Plug-n-Play, No Software & Drivers Required
- Support Windows / Linux
- Support 3.5mm Audio & HDMI Audio

Package Contents

- 2-Port 4K HDMI KVM Switch with PBP Roaming Mouse &PIP
- Power Adapter 12V/1.5A
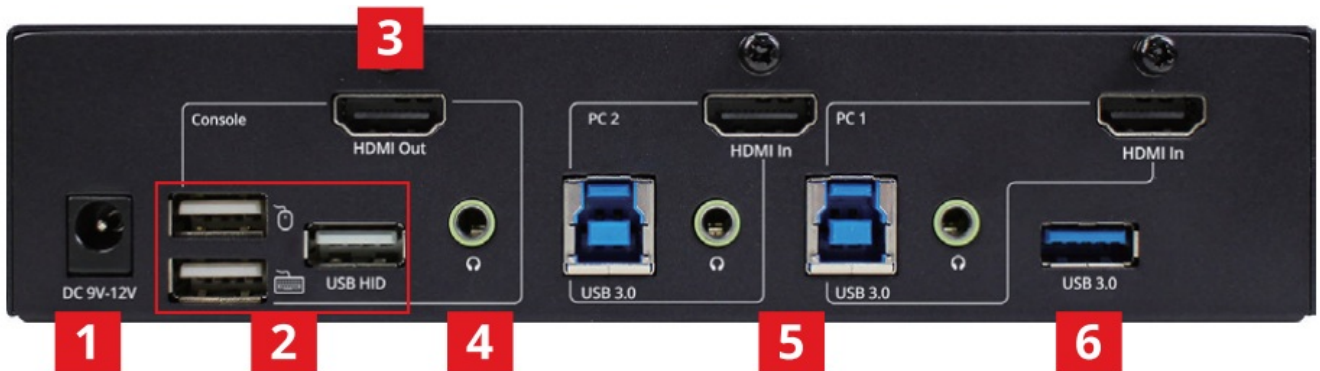- User manual

LAYOUT

FRONT PANEL

1. USB HID Cconsole port (for keyboard & mouse use only)
2. USB 3.0 port at console for USB peripherals SGbps, 5V/900mA,
3. Link: Green, connected PC is power on Select: Red, connected PC is selected

4. Switch Button: Press to select PC

REAR PANEL

1. Power Jack: DC 12V/1.5A (support DC 9V-12V, 1.5A) USB HID Console ports
2. (for keyboard & mouse use only)
3. HDMI output: resolution up to 4K@30Hz
4. Speaker/Earphone port at console connect to Speaker/Earphone
5. PC-x input ports:
   - HDMI input for PC-x
   - USB 3.0 Type-B port for PC-x
   - Speaker/Earphone port for PC-x
6. USB 3.0 port at console for peripherals 5Gbps, 5V/900mA

Hotkey Control

Basic Operation
The operation of the KVM switch is mainly through hotkey controls.

Hotkey Leading Codes (HK_LCode)

A Hotkey command is a short keyboard sequence for selecting a computer, activating computer scan, etc. 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 generates a high-pitch beep for correct hotkey command; otherwise, one low-pitch beep generates for error and the bad key sequence will not be forwarded to the selected computer.

3 Ways HK_LCode

HK_LCode 1L : **"L-Ctrl" + "L-Ctrl"** (Default)

HK_LCode 1R* : **"R-Ctrl" + "R-Ctrl"**
*How to : "HK_LCode" + "L-Alt (Hold)" + "R-Ctrl (Hold)" + "Release "R-Ctrl" then "L-Alt".
(To switch back from R-Ctrl Oriented to L-Ctrl Oriented, swap R-Ctrl with L-Ctrl in above operation.)

HK_LCode 1L can be Turned On/off to facilitate usage with other hotkey related products.
Simply input : "HK_LCode" + "L-Ctrl" or "R-Ctrl" (with respect to HK_LCode 1 situation)"

In most cases, HK_LCode 1 is the most convenient to use.

HK_LCode 2 : **"L-Shift (Hold)" + "Num Lock"**
+ "Num Lock" + Release "L-Shift"

HK_LCode 3 : **"Scroll Lock" + "Scroll Lock"**

Screen Layout Control
Use Hotkey to Control Screen Layout Modes (Switch between modes or resolutions might take 10-12 seconds)

Screen Layout**	Support Resolution (Display Native Resolution) Respective Command (HK_LCode + "L-Win" Hold + ...)					
	3840x2160 @30Hz	2560x1440 @60Hz	1920x1080 @60Hz	3440x1440 @50Hz	2560x1080 @60Hz	3840x1080 @60Hz
Mode 1 (PBP - T/B)	1U	1Q	1F	--	--	--
Mode 2 -Landscape (PBP - L/R)	2U	2Q	2F	2N	2M	2Y
Mode 2 -Portrait (PBP - T/B)	2U	2Q	2F	2N	2M	2Y
Mode 0 (Full Screen)	0U / 0R* / 0H*	0Q / 0G*	0F	0N / 0O*	0M	--
Mode 7 (PIP Mode)	7U / 7R* / 7H*	7Q / 7G*	7F	7N / 7O*	7M	--

These modes are up-scaled outputs as follows:

- OR/7R: Input = 2560×1440@60hz & Up-Scaled to 3840×2160@30Hz Output
- OH / 7H: Input = 1920×1080@60Hz & Up-Scaled to 3840×2160@30Hz Output
- 0G/7G: Input = 1920×1080@60Hz & Up-Scaled to 2560×1440@60Hz Output
- 00/70: Input = 2560×1080@60Hz & Up-Scaled to 3440×1440@30Hz Output

This 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 150M away & Requires Long-Reach Function of HDBaseT Extension (1080p)

In Such Cases, The Scaled Output Can Improve Image Clarity on Modern Hi-Resolution Displays. Switching between screen layout modes might require image fine-tuning (User can save fine-tunned setting to user's presets

PBP MODES (MODE 1&2)

Mode 1 (Top – Bottom PBP)

- HK_LCode+"L-Win"(Hold)+"1″+"U"rQ"rF" (See Screen Layout Control)
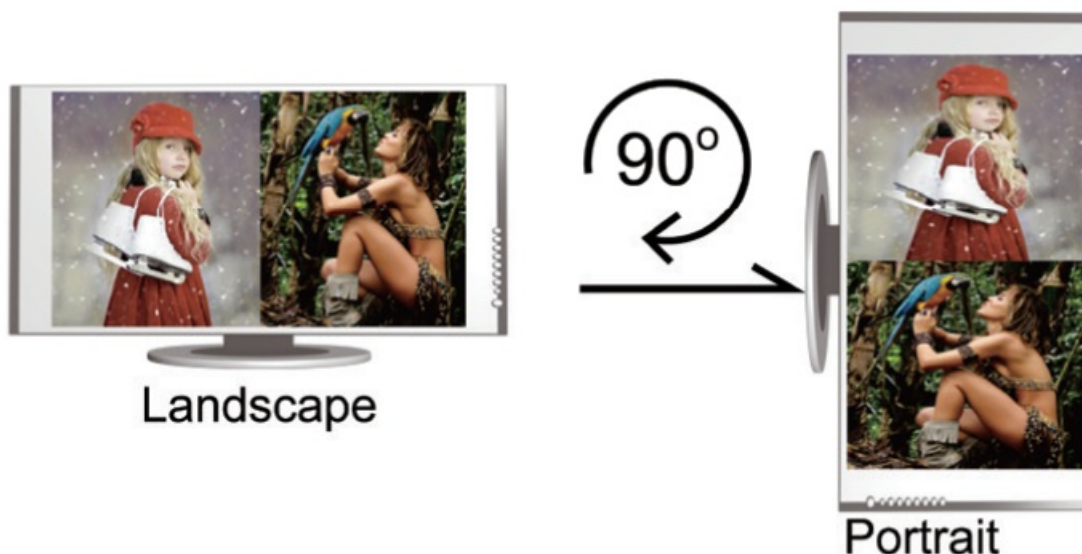- HK_LCode+"L-Alt"(Hold)+"Q"+"1″ (To Configure Roaming Mouse Top-Bottom Mode, If nececcery)

Mode 1 Fcaturcs Vcrtical PBP Modo, Thc KVM Switch Scnds Proper EDID to Both Video Source. The Display Must Support Top-Bottom PBP Function. Roaming Mouse is Configured as Top-Bottom & No Boundry.

Mode 2 Landscape (Left-Right PBP)

- "L-Ctrl"+"L-Ctrl"+"L-Win"(Hold)+"2″+"U"rarF"/| "N"/"M""Y" (See Screen Layout Control)
- HK_LCode+"L-Alt"(Hold)+"Q"+"2″ (To Configure Roaming Mouse Left-Right Mode, If nececery)

Mode 2-Landscape Features Left-Right PBP Mode, The KVM Switch Sends Proper EDID to Both Video Source. The Display Must Support Left-Right PBP Function. Roaming Mouse is Configured as Left- Right & No Boundry.

Mode 2 Portrait (Top-Bottom PBP)

- Turn The Display 90°

- Configure 2 Computers to Display 90° Views
- HK_LCode+"L-Win"(Hold)+"2″+"U"/"Q'/"F"r"N""M°"Y" (See Screen Layout Control)
- HK_LCode+"L-Alt"(Hold)+"Q'+"1″ (To Configure Roaming Mouse Top-Bottom Mode, If nececcery)

Mode 2 Portrait Features Top-Bottom PBP Mode, The KVM Switch Sends Proper EDID to Both Video Source. The Display Must Support Top-Bottom PBP Function. Roaming Mouse is Configured as Top- Bottom& No Boundry.

Full Screen & PIP Modes (Mode 0 & 7)

Mode 0 (Full Screen)
(a) HK_LCode+"L-Win"(Hold)+"0″+"U"rQ""F""N"" M""R"/"H"/"G"O" (See Screen Layout Control)

Mode 0 Features Full Screen Mode. The Unit Works Like Traditional KVM Switch. User Can Copy EDID from Main Output in This Mode. Click Port Selection Button to Switch Computer. Roaming Mouse Disabled in This Mode.
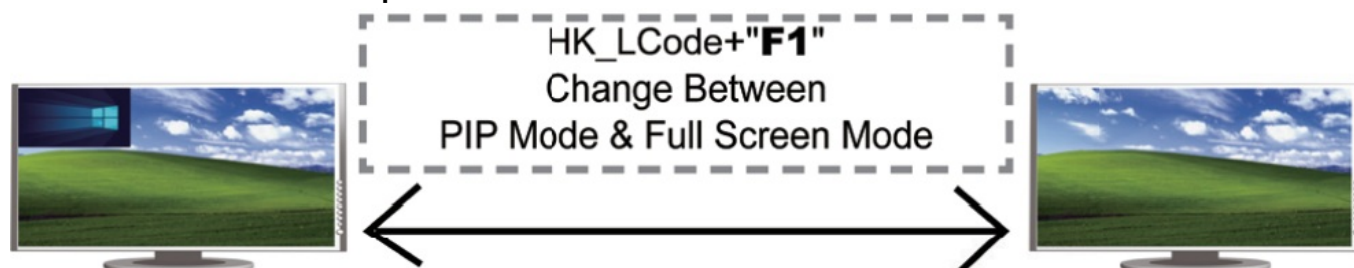
Mode 7 (PIP)
(a) HK_LCode+"L-Win"(Hold)+"7″+"U"/"Q'"F""N"" M"R""H"rG'/"O" (See Screen Layout Control)

Mode 7 Features PIP Mode. Selected Computer's Content Are Showed on Display as PIP Image. Click Port Selection Button to Switch Computer. Roaming Mouse Disabled in This Mcde

PIP<->Full Screen Mode Swap

PIP Location Control

Set PIP Screen to Top-Left

HK_LCode+"**L-Win**"(Hold)+"**F2**"

Set PIP Screen to Top-Right

HK_LCode+"**L-Win**"(Hold)+"**F1**"

Set PIP Screen to Bottom-Left

HK_LCode+"**L-Win**"(Hold)+"**F3**"

Set PIP Screen to Bottom-Right

HK_LCode+"**L-Win**"(Hold)+"**F4**"

Full Screen & PIP Modes (Mode 0 8& 7)

PIP Size Control

Enlarge Main Screen
HK_LCode+"**L-Win**"(Hold)+"**Page Up**"

Shrink Main Screen
HK_LCode+"**L-Win**"(Hold)+"**Page Down**"

Enlarge PIP Screen
HK_LCode+"**L-Win**"+(Hold)+"↑"

Shrink PIP Screen
HK_LCode+"**L-Win**"(Hold)+"↓"

PIP Transparency Control

Increase PIP Screen Transparency
HK_LCode+"**L-Win**"(Hold)+"→"   (More Transparent)

Decrease PIP Screen Transparency
HK_LCode+"**L-Win**"(Hold)+"←"   (Less Transparent)

Advanced Operation Image Fine-Tuning

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

Image Resyncronize
HK_LCode+"L-Win"(Hold)+"L-Alt"(Hold)+"Del" –

Video Compensation Adjustment
In different resolution & layouts, there might be slight difference in compensation requirement which might result in image fliker. Adjust video compensation can greatly improve image quality under such circumstances.

- **Adjust Port 1 Video Compensation**
    - l HK_LCode+"L-Win"(Hold)+"F11″+"1″/"|*
- **Adjust Port 2 Video Compensation**
    - HK_LCode+"L-Win"(Hold)+"F12″+"1″/"|"

User's Presets

User can restore up to 8 presets.

- **Save Current Setting to User's Preset (1-8)**
    - i HK_ LCode+"L-Win"(Hold)+"L-Shift"(Hold)+"=+"Fí-"F8"
- **I Load User's Preset (1-8)**
    - l HK_LCode+"L-Win"(Hold)+"L-Shift(Hold)+"F1″"F8″

Hotkey Control Basic

Key Sequence	I	Function
HK LCode + "1" ~ "2"	Computer **Port Selection** 1-2
HK LCode + "FS"	Audio Follow Port Switching Off/ On
HK LCode + "A"	Force Audio Follow to Current Port
HK LCode + "F7"	USB 3.2 Gen 1 Follow Port Switching On / OFF
HK LCode + "U"	Force USB 3.2 Gen 1 Follow to Current Port
HK_LCode + "L-Alt"(Hold) +"R-Ctrl" + Release"L-Alt"	Change HK_LCode "L-Ctrl" to "R-Ctrl"
HK_LCode + "L-Alt"(Hold) +"L-Ctrl" + Release"L-Alt"	Change HK_LCode "R-Ctrl" Back to "L-Ctrl"
HK_LCode + "L-Alt"(Hold) + "F"+"A"+"C"	Return to Factory Default
HK_LCode + "CapsLock"	Find Mouse Cursor (Mouse Cursor Moves to Center ofThe Desktop)
HK_LCode + "Tab"	Swap Port 1 & Port 2 Video Position
HK_LCode + "9"	Swap Port 1 & Port 2 Control
HK_LCode +**"L-Shilt"(Hold)**+ "1"/ 'T'	Switch Control to Previous / Next Enabled Computer

Hotkey Control Mouse Roaming

Hotkey Control – PIP/PBP Video Mixing

Key Sequence	Function
PBP FUNCTION	
HK_LCode + "L-Win"(Hold)+"l"+"U" / "Q" / "F"	Mode 1 (Top-Bottom PBP Mode) See **Screen Layout Control**
HK_LCode + "L-Win"(Hold)+"2"+"U" **/** "Q" **/** "F" / "N" /"M"/"Y"	Mode 2 (Left-Right PBP Mode) See **Screen Layout Control**
Full Screen & PIP FUNCTION	
HK_LCode + "L-Win"(Hold)+"O"+"U" **/**"Q"/"F"**/**"N" /"M"/"R"/"H"/"G"/"O"	Mode O (Full Screen Mode) See **Screen Layout Control**
HK_LCode + "L-Win"(Hold)+"7"+"U" **/** "Q" **/** "F" / "N" / "M" / "R" / "H" / "G" / "O"	Mode 7 (PIP Mode) See **Screen Layout Control**
HK_LCode + "L-Win"(Hold)+"Fl"~"F4"	Configure PIP Screen Position : F1 = Top-Right, F2 = Top-Left, F3 = Bottom Left, F4 = Bottom-Right
HK_LCode + "L-Win"(Hold)+"Page Up" / "Page Down"	Configure Main Screen Size : Page UP = Enlarge, Page Down = Shrink
HK_LCode+"L-Win"(Hold)+"j / f'	Configure PIP Screen Size : i = Enlarge, *L* = Shrink
HK_LCode+"L-Win"(Hold)+"+- / –>"	Configure PIP Screen Transparency : +- = Less Transparent, –, = More Tranparent
HK_LCode+"Fl"	Change between Full Screen Mode & PIP Mode
Image Fine-Tuning	
HK LCode+"L-Win"(Hold)+"L-Alt"(Hold)+"Del"	Re-Syncronize Video Engine
HK LCode+"L-Win"(Hold)+"Fl l "+"j" / T'	Adjust Port 1 Video Compensation
HK LCode+"L-Win"(Hold)+"F12"+"j" / "f'	Adjust Port 2 Video Compensation
User's Presets	
HK LCode+"L-Win"(Hold)+"L-Shift"(Hold)+"="+"Fl "~"F8"	Save Current Settings to Use(s Preset 1-8
HK LCode+"L-Win"(Hold)+"L-Shift"(Hold)+"Fl"~"F8"	Load User's Preset 1~8

Documents / Resources

SIIG CE-KV0G11-S1 2-Port 4K HDMI KVM Switch [pdf] User Manual

CE-KV0G11-S1, 2-Port 4K HDMI KVM Switch, HDMI KVM Switch, KVM Switch, CE-KV0G11-S1, Switch