Specifications

Model		KMS-U110
Computer Port		10
Push Button (For Selection)		2
Connection Status LED		10 **Green:** Computer Ready **Yellow:** Port Selected & Computer Ready **Red:** Port Selected & No Computer
System Status LED		1
Computer Interface		USB HID Type-B x 10
Console Interface	USB HID Port (for KB, MS, or Touch Screen)	USB Type-A x 4 (Rear)
Keyboard Hotkey Control		Yes
Monitor Layouts (Mouse Roaming)		13 Presets
Power Supply		DC 9-12V
H x W x D (mm)		45 x 176 x 93
Weight (g)		593

Installation

- Before installation, power off all devices that will be connected to the system.
- Ensure that all connected devices are properly grounded.
- Keep cables away from fluorescent lights, air conditioners, and other machines that may generate electrical noise.

PC BIOS Notice

The following BIOS setup changes are necessary for PC users and not for Mac users: In STANDARD CMOS, set HALT ON ERROR to ALL BUT KEYBOARD. In PNP AND PCI SETUP, set PNP OS INSTALLED to YES and set USB IRQ to ENABLED.

Console Connection

1. Plug a USB keyboard and mouse into the USB HID ports (UC) on the console.

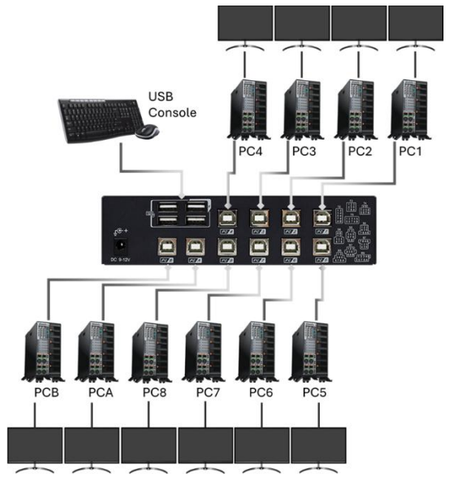
Computer Connection

1. Use USB A-B cables to connect the unit's USB ports (B connector - square) to the USB ports on the corresponding computers (A connector - flat).
2. Apply power to the unit.

Limitations

1. This unit is compatible with Windows and Linux but may require some tweaking when used with other Operating Systems (requires Absolute Mouse Coordinate support from the OS).
2. Roaming mouse functionality for dual monitor computers requires WIN 10 or later. An Absolute Mouse Driver (KM Driver for Multi-Monitor) must be installed.

Connection Diagram



Multiple Screen Layouts
(Mouse Roaming)

Product Descriptions

L1~LB	Connection Status LED	**Green:** Connected Computer is Powered On **Red:** Port Selected but No Computer Connection **Yellow:** Port Selected and Computer Ready
LS	System Status	**Green:** Non-Roaming Mouse Mode **Cyan:** Roaming Mouse Mode
BL / BR	Select Button	Press BL / BR to select Previous / Next PC

U1~UB	Computer Ports	Connect to PCs' USB Ports
P	Power Supply	Apply Proper Power (**DC 9 ~ 12V**) to the Unit
UC	USB HID (Console)	Connect to USB-HID Device (e.g., Keyboard/Mouse)

- Use only good quality connection cables to avoid interference.
- Place cables away from fluorescent lights, air conditioners, and machines that are likely to generate electrical noise.

Operations

Hotkey Commands

A hotkey command is a short keyboard sequence used for selecting a computer, activating computer scan, etc. The KM switch always listens for hotkey keystrokes. A hotkey sequence begins with a Hotkey Leading Code, followed by one or two additional keystrokes. A built-in buzzer emits a high-pitched beep when a correct hotkey command is entered. Otherwise, it emits two low-pitched beeps to indicate an error, and the incorrect key sequence will not be forwarded.

3 Hotkey Leading Code:

1. **Hotkey Leading Code 1*:** "**L-Ctrl**" + "**L-Ctrl**"
2. **Hotkey Leading Code 2 :** "**Scroll Lock**" + "**Scroll Lock**"
3. **Hotkey Leading Code 3 :** "**L-Shift**" (Hold) + "**Num Lock**" + "**Num Lock**" + "**L-Shift**" (Release)

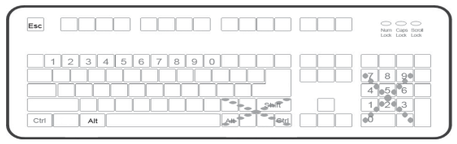
* **Hotkey Leading Code 1** can be changed to **Right-Ctrl** oriented mode by performing the following key sequence: "**Hotkey Leading Code 1**" + "**Alt**" (Hold) + "**R-Ctrl**" (Hold) + "**R-Ctrl**" (Release) then "**Alt**" (Release)

(To switch back to **Left-Ctrl** oriented mode, perform the same sequence but use **Left-Ctrl** instead of **Right-Ctrl**.)

** **Hotkey Leading Code 1** can be toggled On/Off to improve compatibility with other hotkey-related products. To toggle it, simply press: "**Hotkey Leading Code 2 or 3**" + "**L-Ctrl**", depending on the current state of Hotkey leading Code 1.

Note: In most cases, **Hotkey Leading Code 1** is the most convenient option.

NOTE: By default, **Do Not Use** the Keypad on The **Right** of The Keyboard



Features

- Allows up to 10 computers to share 1 set of USB HID peripherals
- Seamless switching among PCs by moving the mouse cursor across screen border and roaming among PCs
- Flexible preset screen layouts suit various workstation designs
- Support keyboard and mouse plug-n-play without drivers
- Multiple Switching Control Methods:
  - Front Panel Push Button Control
  - Mouse Roaming Control
  - Hotkey Control
- Roaming Function supports Windows and Linux; no software required
- Automatically skips unconnected ports for flexible layout applications and supports more layouts
- Mouse Absolute Coordinate Technology enables seamless switch among PCs and adapts to all kinds of Mouse Sensitivity (DPI Resolution)
- Allows usage of different versions of Windows simultaneously
- Grants access to full processing power of 10 PCs simultaneously.

Package Contents

- 1 x KM Switch
- 1 x Power Adapter
- 1 x User Manual
- 1 x Foot Pad Set

Limited Warranty

IN NO EVENT SHALL THE DIRECT VENDOR'S LIABILITY FOR DIRECT OR INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS, LOSS OF BUSINESS, OR FINANCIAL LOSS CAUSED BY THE USE OF THE PRODUCT EXCEED THE PRICE PAID FOR THE PRODUCT.

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Hotkey Operations

Basic Operations

Function	Hotkey	Description
Mouse Roaming Off	"**Hotkey Leading Code**" + "**Alt**" (Hold) + "**Q**" + "**0**"	Disable Mouse Roaming (Beep Once)
Mouse Roaming On (Previous Setting)	"**Hotkey Leading Code**" + "**Alt**" (Hold) + "**Q**" + "**9**"	Refer to Screen Layout Operation
Return to Last Selected Port	"**Hotkey Leading Code**" + "**0**"	Beep once and Return to Previous Selected Port
Port Switch	"**Hotkey Leading Code**" + "**1**" ~ "**B**"	Switch to Port 1 ~ B
Locate Mouse Cursor	"**Hotkey Leading Code**" + "**Caps Lock**"	Move mouse cursor to center of First Active Computer Port (only when Roaming On)
Manual Scan	"**Hotkey Leading Code**" + "**Shift**" (Hold) + "↓" or "↑"	User can press "↓" or "↑" to select Next or Previous Active Computer Port

Mouse Operations

Set Mouse DPI* by ↑↓ Keys	"**Hotkey Leading Code**" + "**Alt**" (Hold) + "↑"	Beep Once = **-100** DPI (**Speed Up**)
	"↑" can be pressed again (consecutively) while holding down "**Alt**"	Lowest at 100 DPI, Beep Twice to indicate Error while pressing ↑ at 100 DPI
	"**Hotkey Leading Code**" + "**Alt**" (Hold) + "↓"	Beep once = **+100** DPI (**Speed Down**)
	"↓" can be pressed again (consecutively) while holding down "**Alt**"	Highest at 4800 DPI, Beep Twice to indicate Error while pressing "↓" at 4800 DPI (Lowest Speed)
Mouse DPI Fast Configuration	"**Hotkey Leading Code**" + "**Alt**" (Hold) + "**S**"	Beep Once = ABS Speed = **Low (2400 DPI)**
		Beep Twice = ABS Speed = **Mid (800 DPI)**
		Beep 3 Times = ABS Speed = **High (200 DPI)**
Mouse DPI Configuration	"**Hotkey Leading Code**" + "**Alt**" (Hold) + ("**xx**")	Beep Once If Succeeded **xx = 01~48**
		01: 100 DPI; **02:** 200 DPI; **20:** 2000 DPI; **24:** 2400 DPI; **48:** 4800 DPI (Lowest Speed)
Borderless Circulation (On / Off)**	"**Hotkey Leading Code**" + "**Alt**" (Hold) + "**R**"	Borderless Circulation **On** (Beep **Once**)
		Borderless Circulation **Off** (Default, Beep **Twice**)

* Higher the DPI, slower the Mouse moves
** For example: Enable/Disable switching between PC 1 and PC 4 when mouse cursor moves beyond screen edge as shown below:

Mouse Roaming support for Dual Monitor PC requires WIN 10 and above, and Absolute Mouse Driver for Multi-Monitor to be installed.

User Manual

10-Port KM (USB) Switch

With Mouse Roaming Function

KMS-U110

Product Family Information

Model	Ports	USB	Audio	USB Broadcast
KMS-U110	10	HID	N/A	N/A
KMS-U204	4	USB 2.0	Analog SPK Out	
KMS-U304	4	USB 3.2 Gen 1	Analog SPK Out	
KMS-U314	4	USB 3.2 Gen 1	Analog SPK Out USB Audio Analog In/Out	

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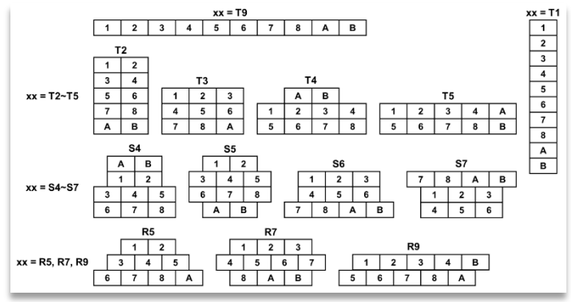
- The final specification is based on the actual product.
- Features and functions may be added or changed after the manual was written. Please visit our website to download the latest version of manual for reference.

RXN-KMS-R02.1

Screen Layout Operation (Mouse Roaming)

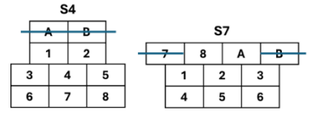
Function	Hotkey	Description
Display Alignment Configuration (**Set Mouse Roaming On**)	"**Hotkey Leading Code**" + "**Alt**" (Hold) + "**Q**" + "**xx**" (**xx** refers to below layouts)	Set Screen Layout (Beep Once)



Skip Computer

Users can skip unwanted ports to create the desired layout by simply not connecting the corresponding USB ports.

For example, users can skip ports A and B in Layout S5.



User can also form these layouts with S4 & S7 by ***Not Connecting*** Port A/B or Port 7/B respectively.