

Specifications

| | | |
|---------------------------------|---|--|
| Model | KMS-U110 | |
| Computer Port | 10 | |
| Push Button (For Selection) | 2 | |
| Connection Status LED | 10 (Dual Colour) Green: Computer Ready Red: Computer Selected | |
| System Status LED | 1 (Dual Colour) | |
| Computer Interface | USB HID Type-B x 10 | |
| Console Interface | 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

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

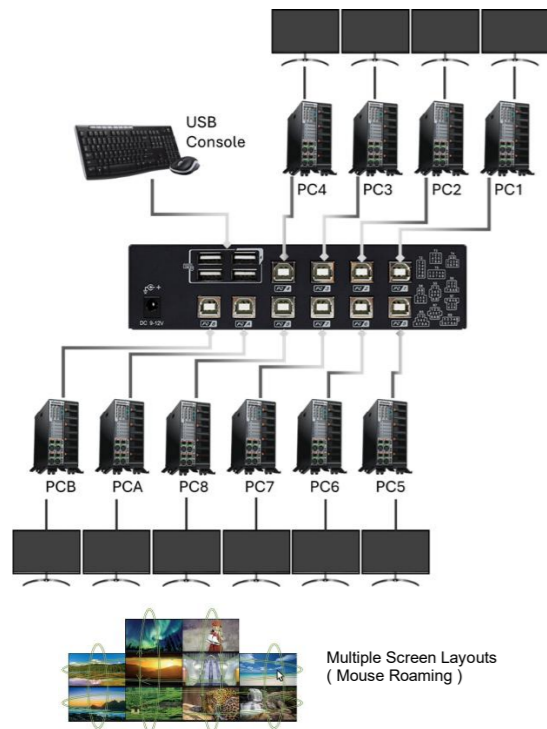
Computer Connection

- 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).
- Apply power to the unit.

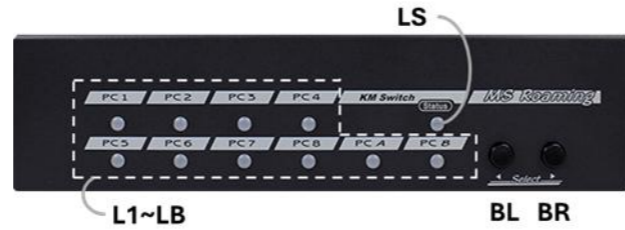
Limitations

- 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).
- Roaming mouse functionality for dual monitor computers requires WIN 10 or later. An Absolute Mouse Driver (KM Driver for Multi-Monitor) must be installed.

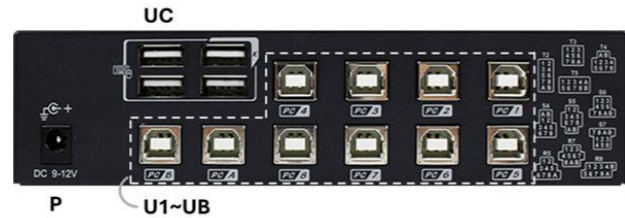
Connection Diagram



Product Descriptions



| | | |
|---------|-----------------------|---|
| L1~LB | Connection Status LED | Green: Connected Computer is Powered On Red: Connected Computer is Selected Yellow: Computer Ready & Selected |
| 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:

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

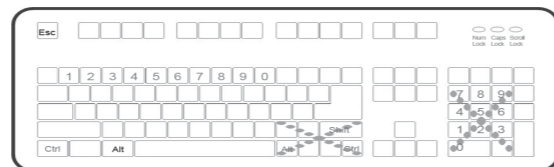
* Hotkey Leading Code 1 can be changed to Right-Ctrl oriented mode by performing the following key sequence: "Hotkey Leading Code 1" + "Alt" (Hold) + "R-Ctrl" (Hold) + "R-Ctrl" (Release) then "Alt" (Release)

(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

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Hotkey Operations

Basic Operations

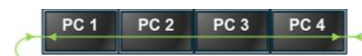
| Function | Hotkey | Description |
|------------------------------|--|--|
| Mouse Roaming Off | "Hotkey Leading Code" + "Alt" (Hold) + "Q" + "0" | Disable Mouse Roaming (Beep Once) |
| Mouse Roaming On | "Hotkey Leading Code" + "Alt" (Hold) + "Q" + "9" | Refer to Screen Layout Operation |
| Return to 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 "*" 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) + "+" "+ can be pressed again (consecutively) while holding down "Alt" "Hotkey Leading Code" + "Alt" (Hold) + "+" "+ can be pressed again (consecutively) while holding down "Alt" | Beep Once = -100 DPI (Speed Up) Lowest at 100 DPI, Beep Twice to indicate Error while pressing ↑ at 100 DPI Beep once = +100 DPI (Speed Down) 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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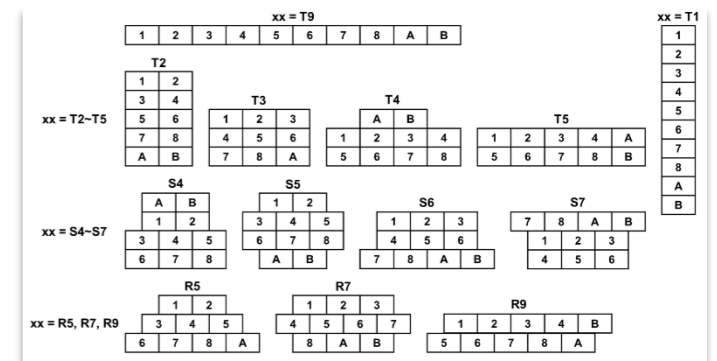
■ The final specification is based on the actual product.
■ Features and functions may be added or changed after the manual was written. Please visit our website to download the latest version of manual for reference.



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) |



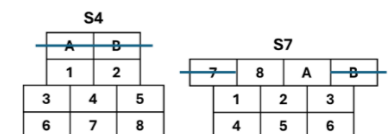
Skip Computer



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.

Skippable



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