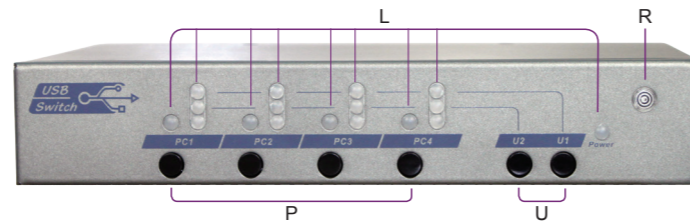


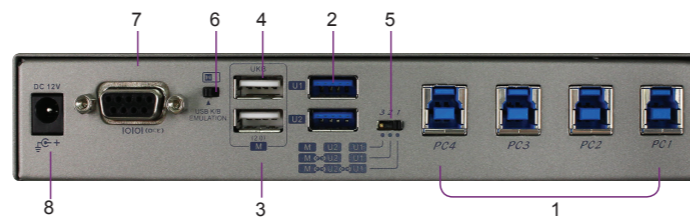
Specifications

Model		USW-K234	USW-K334
USB Connector	PC Port	USB-B 2.0 x 4	USB-B 3.0 x 4
	USB Peripheral	USB-A 2.0 x 3	USB-A 3.0 x 3
	USB Keyboard/Mouse	USB-A 2.0 x 1	USB-A 3.0 x 1
Front Panel Button	Port Designation	x 4	
	USB Peripheral Selection	x 2	
Front Panel LED	Power/System Status	Triple-color LED x 1	
	PC Port Status	Single-color LED x 4	
	Master Port Status	Dual-color LED x 4	
	USB Peripheral Status	U1: Dual-color LED x 4 U2: Dual-color LED x 4	
Slide Switch	USB K/B Emulation x 1 USB Peripherals Port Rule Selection x 1		
Serial Connector (for serial control)	DB-9 Female x 1, DCE, connect to PC		
IR Remote Control Support	Yes		
Power Supply	DC 9~12V		
Enclosure	Metal		
Dimensions H x W x D (mm)	34 x 190 x 118		

Product Description



P	PC Select Button	Press the button for port selection
U	USB Button	Press the button for 3 sec. and it switches U1/U2 to the currently selected Master/PC port.
L	LED Indicator	see <i>LED Indicator</i> section
R	Remote Control Receiver	Receive IR remote control command



1	PC Port	Connect to a PC (Host)
2	USB Peripheral Port	Connect to a USB peripheral device
3	Master Port*	Connect to a USB peripheral device
4	Master Port*	Connect to a USB peripheral device
5	USB Keyboard Port	Connect to a USB keyboard
6	USB Grouping Switch	Slide the switch to have U1 and/or U2 follow Master/PC Port.
7	USB K/B Emulation Switch	Enable/disable USB keyboard emulation function
8	Serial Port (DCE)	Connect to a computer (DTE) (command in)
9	Power Supply	Apply power to the unit

*The Master Port always goes with PC host selection.

Features

- Allow 4 host computers to share and switch 4 peripheral USB devices
- Front panel LED indicates connection and action status; makes identification easy and user-friendly
- Multiple methods to control the unit via:
 - Front panel push buttons
 - Serial control
 - Hotkey control
 - IR remote control (optional)
- Port rule selection for flexible application; divide USB peripherals into 2 or 3 groups by switch sliding
- Enable/disable USB keyboard emulation
- Compatible with all USB data rate standards
- Support USB 3.0 / USB 2.0 / USB 1.1 host controllers (depends on model)
- SuperSpeed USB 3.0 data transfer rate up to 5Gb/s (USB 3.0 model)
- Plug-n-Play system without any drivers or software installation
- Fully support Windows, Mac and Linux system, USB read host/device
- Suitable for most of the popular USB devices (USB webcams, USB printers, USB scanner, etc.)

Package Contents

- USB Switch x 1
 - Power Adapter Set x 1
 - User's Manual (CD) x 1
 - Foot Pad Set x 1
- Optional:**
- IR Remote Controller

Quick Start Guide

USB Switch with Hotkey, Serial & IR Control



USW-K234 (USB 2.0)
USW-K334 (USB 3.0)

Also available:

USW-234: USB 2.0 Switch with Serial & IR Control

Nueteq Technology Inc.
11F, No.112, Sec.1, Zhong Xiao E. Road
Taipei, Taiwan

The final specification is the actual product based.
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.

PQ5-UHB034Z-201



Installation

- Prior to installation, ensure to power off all devices that will be connected to this system.
- Ensure that all devices you will connect are properly grounded.
- Place cables away from fluorescent lights, air conditioners, and machines that are likely to generate electrical noise.

- Use one USB cable for connection between a host PC to PC1~PC4 port on the rear of the switch.
- Plug USB peripherals into U1, U2 or M ports.
- If USB K/B Emulation function is needed, connect USB keyboard to UKB port and slide the switch to "USB K/B Emulation" side.
- Apply power to the unit.

Connection Pattern

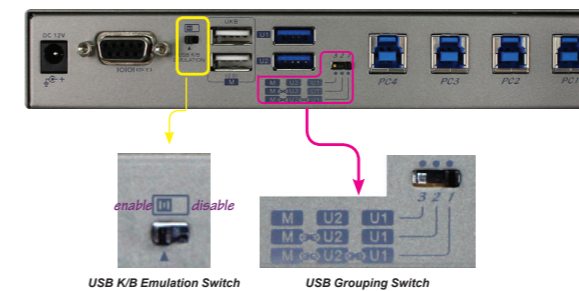


LED Indicator



LED	Status
P	Power LED
	Unlocked Status (ID matched) Emits green and goes off once: USB Grouping Switch position 1
	Emits green and goes off twice: USB Grouping Switch position 2
	Emits green and goes off 3 times: USB Grouping Switch position 3
	Unlocked Status (ID unmatched) Emits green and lights red once: USB Grouping Switch position 1
	Emits green and lights red twice: USB Grouping Switch position 2
	Emits green and lights red 3 times: USB Grouping Switch position 3
	Lock Status (Lock Panel Control & IR Remote Control) Emits red and goes off once: USB Grouping Switch position 1
	Emits red and goes off twice: USB Grouping Switch position 2
Emits red and goes off 3 times: USB Grouping Switch position 3	
A~D	PC1~PC4 LED Blue: PC Host input Off: No PC host input
UA~UD	Master/PC Port LED Disable K/B Emulation Status Green: either one of USB peripherals plugged Red: both USB peripherals unplugged Enable K/B Emulation Status Green: lower USB peripheral plugged Red: lower USB peripheral unplugged
	U1A~U1D
U2A~U2D	U2 Port LED Red: USB peripheral unplugged into U1/U2

Slide Switch Setting



1. USB Port Rule Selection

There are three modes available which can divide USB peripherals into 2 or 3 groups.

- Mode 1: M + U2 + U1**
U2 & U1 follow Master/PC port switching: when pressing button PC1 ~ PC4, U1 & U2 follow the selected one.
- Mode 2: M + U2 U1**
U2 follows Master/PC port switching: when pressing button PC1 ~ PC4, only U2 follows the selected one.
But before switching to this mode, U1 stays in the last resided Master/PC port no matter which Master/PC port is selected at present. That is, U1 doesn't follow port selection.
- Mode 3: M U2 U1**
U2 & U1 don't follow Master/PC port switching: when pressing button PC1 ~ PC4, U2 & U1 don't follow it.
Before switching to this mode, U2 & U1 stay in the last resided Master/PC port no matter which Master/PC port is selected at present.

2. USB K/B Emulation

This function is for upper USB jack "UKB". When the switch is slid to the left "USB K/B EMULATION" the plugged USB port functions as a USB keyboard/mouse, which supports HID protocol. In this mode, the LED (UA~UD) shows the lower USB jack status. Slide to the right if you'd like to disable this function.

LEFT (USB K/B EMULATION): enable USB Emulation. It only functions on upper USB jack.

RIGHT: disable emulation function

Push Button Control

1. Master/PC Host Selection

Press buttons PC1~PC4 for Master/PC host selection. The LED (A~D) illuminates blue when there's a host input, and turns off when there's no host input.

Tip: Press PCx
eg. Press PC2: Select Master/PC2

2. USB Port Selection

Appoint USB U1 or U2 port to a Master/PC host. For example, appoint U1 to PC3, press and hold U1 and then press PC3. For LED (U2A~U2D / U1A~U1D), the resided Master/PC port illuminates green (USB plugged) or red (USB unplugged).

Tip: Press and hold Ux + press PCx
eg. Press and hold U1 + press PC2: Appoint U1 to Master/PC2

3. Master Port Adhering

Rather than sliding the switch to have U1 or U2 follow Master/PC port selection at once, users may press U1 or U2 for 3 sec. to switch U1 or U2 to where Master/PC port is currently situating.

Tip: Press and hold U1 for 3 sec. (U1 adheres to Master/PC port)
Tip: Press and hold U2 for 3 sec. (U2 adheres to Master/PC port)

Hotkey Control

Before starting, enable the USB K/B Emulation function.

NOTE: Do not use the keypad on the right side of the keyboard

1. Master/PC Host Selection

To select a Master/PC port, press [Ctrl] twice and a number key 1~4 corresponding to the Master/PC port.

left [Ctrl] → left [Ctrl] → 1 (select Master/PC1)
left [Ctrl] → left [Ctrl] → 2 (select Master/PC2)
left [Ctrl] → left [Ctrl] → 3 (select Master/PC3)
left [Ctrl] → left [Ctrl] → 4 (select Master/PC4)

2. Master Port Adhering

left [Ctrl] → left [Ctrl] → F3 (U2 & U1 adhere to Master/PC Port)
left [Ctrl] → left [Ctrl] → F2 (U2 adheres to Master/PC Port)
left [Ctrl] → left [Ctrl] → F1 (U1 adheres to Master/PC Port)

For more information, please refer to User's Manual (CD).