



# Mightier 4 Port USB 2.0 Keyboard, Mouse & Peripheral Switch

The Mightier USB KM4 Switch (FRDM MKMS-3500) is a professional grade control switch delivering USB Real Emulation for use with modern or custom USB peripherals and audio

The MKMS-3500 is a breakthrough in USB switching, delivering USB 2.0, bi-directional audio and Real Emulation technology. The MKMS-3500 is video independent (so can be used alongside DVI, VGA, Display Port etc). The MKMS-3500 allows you to work across all 4 computers and screens as though they were a single interface. Mightier's Real Emulation technology enables USB HID devices to be continuously emulated to each computer. This unique technology enables instantaneous and reliable hotkey switching whilst also supporting the extra keys and features of enhanced keyboards and mice. Furthermore, the MKMS-3500 includes two independently switchable USB 2.0 Hi Speed channels and an audio channel, giving the user the flexibility to attach selected peripherals to different computers.



## FEATURES

### Real Emulation USB2.0 technology

The MKMS-3500 is the first USB switch to feature Mightier's advanced Real USB Emulation technology. Emulated USB provides an instantaneous and reliable switching action and makes keyboard hotkey and mouse switching possible. However, previous implementations have used only generic emulations and consequently have only been able to support the most basic keyboard and mouse features. Mightier's revolutionary Real Emulation technology overcomes this frustrating limitation by emulating the true character of the connected devices to all the computers simultaneously. This means that you can now use the extra function keys, wheels, buttons and controls that are commonly found on modern keyboards and mice. With the MKMS-3500, a whole new group of users can take advantage of the flexibility KVM switches have to offer. The USB KM4 users often need to use specialized interface devices such as graphics tablets, 3D explorers, joysticks, and so on. The MKMS-3500 makes all this possible using Mightier's Real Emulation technology.

### Independent simultaneous device selection

Flexibility is key to the MKMS-3500. The switch enables you to use the keyboard and mouse on one computer whilst your USB peripherals are connected to other computers and your speakers are playing audio from yet another. You can of course still switch all the connected devices to any one of the connected computers.

### Channel selection options

The MKMS-3500 can be switched using selectable keyboard hotkeys, 3 button mice or the front panel controls. Optionally, you can also use the 4 Button Toggle remote to make your selection. These switching options allow you to rapidly reassign connected devices to any of the connected computers.

### Broad USB 2.0 Hi Speed device support

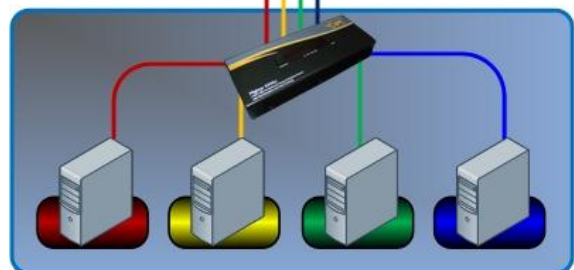
A vast range of USB devices can be connected to the MKMS-3500. From non standard human interface devices to printers and scanners. This gives great flexibility. For example, you could be scanning a set of documents onto one computer whilst working on another and printing from yet another, all at the same time. The USB 2.0 switching action has been carefully engineered to ensure maximum computer reliability when connecting and disconnecting USB devices.

### Unity Software switching

Using Mightier's Unity software, you can switch channels automatically simply by moving your mouse cursor across the edge of the screen. This means you can seamlessly run you pointer across all 4 connected computers, switching either all ports or just keyboard & mouse as you go.

### Options port for control and upgrade

An 'Options' port enables the MKMS-3500 to be remotely switched using simple ASCII codes. The port enables a Four Button Toggle switch unit to be used with the MKMS-3500. The same port can also be used to upgrade the firmware to guarantee that your hardware investment continues to deliver real value well into the future.





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## TECHNICAL SPECIFICATIONS

<b>Hardware compatibility:</b>	All computers with USB interfaces
<b>Software compatibility:</b>	Operates with all known software and operating systems including Windows (all), DOS, Linux, Unix, BSD, all Sun OS, all Mac OS, NetWare etc.
<b>Computer connections at switch:</b>	USB 2.0 type B, 3.5mm stereo jack
<b>Local KVM console connection:</b>	Keyboard/Mouse: 2 x USB type A Switched USB: 2 x USB2.0 type A Audio: 3.5mm stereo jack Other Connections: Options (flash upgrade, sync with an other MKMS-3500 and RS232 triggered power switches): Modular 10P10C
<b>Physical design:</b>	Metal case 230mm (w), 85mm (d), 40mm (h)
<b>Power:</b>	2.5mm DC jack (power adapter included), 100-240VAC 50/60Hz input to power adapter, 5VDC 2.5A output from power adapter
<b>Operating temperature:</b>	0°C to 40°C / 32°F to 104°F
<b>Approvals:</b>	CE, FCC, RoHS



**Mightier UK**  
Airport House, Purley Way,  
Croydon, Surrey. CR0 0XZ.  
England  
Tel: +44 (0)20 8288 3528  
sales\_uk@mightier.com

**Mightier US**  
325 W 38<sup>th</sup> Street  
New York, NY 10018  
USA  
Tel: +1 212 868 5661  
sales\_us@mightier.com

**Mightier HK**  
Unit A, 5/F, Wui Tat Center  
55 Connaught Road West  
Sheung Wan, Hong Kong  
Tel: +852 (9040) 4941  
sales\_hk@mightier.com



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