

CablesToGo™
Service Through Every Connection

TruLink™
2-Port USB Micro KVM with Audio
User's Manual

Introduction

Thank you for purchasing the TruLink™ 2-Port Micro USB KVM with Audio switch (hereafter, Micro KVM). The Micro KVM will clear valuable desktop space, eliminate redundant input devices, and save you time.

Installation and operation is simple. Everything you need to control two PCs from one USB keyboard, USB mouse, VGA monitor, and speaker set is included. Once connected, switch from PC to PC with the “hotkey” function and you are in complete control of both of your computers.

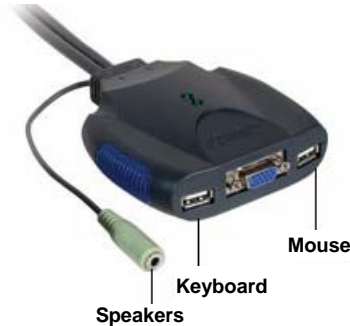
Features

- Easy to install – no software required – connecting cables to the computers is all it takes
- Easy to operate – PC selection via hotkey – auto scan function to monitor computer operation
- Compact design saves space; all necessary cables are built-in so there is nothing more to buy and no cables to lose
- Built-in 3.5mm speaker jack supports audio for multimedia applications
- Supports 4 and 5 button mice and scrolling wheel on most mice (a mouse driver installed with the operating system is required for the 4th and 5th button functions)
- Hot pluggable - add or remove connected PCs for maintenance without powering down
- LED display for easy status monitoring
- Caps Lock, Num Lock, and Scroll Lock states are saved and restored when switching
- Keyboard and mouse emulation for error free PC booting
- Superior video quality – up to 2048 x 1536; DDC2B
- Supports Windows 98SE or higher, Mac OS 8.6 or higher, Sun Solaris 8 or higher, and Linux RedHat 7.1 or higher

Package Contents

- 2-Port Micro USB KVM Switch
- User Manual

Product Details



Micro KVM Hardware Installation

1. Make sure all peripherals and computers are turned off
2. Plug your monitor cable into the female VGA connector on the Micro KVM
3. Connect your Keyboard to the USB port labeled “Keyboard” on the Micro KVM
4. Connect your Mouse to the USB port labeled “Mouse” on the Micro KVM
5. Turn on the attached computers

Note: Please make sure you plug your keyboard and mouse into the designated port so that the full function of your keyboard and mouse are supported.

To use the Micro KVM with a PC port extension cable:

1. To extend the existing 6 ft. KVM cable a longer distance, you may add a female-to-male KVM cable. The maximum extension distance is approximately 20 feet. To ensure signal quality, only use a high-quality cable, such as Cables To Go KVM Desktop Cables.
2. Connect the attached USB keyboard, HD15 VGA, and USB mouse cables of the Micro KVM to the appropriate ports on each computer.
3. Connect the master keyboard, VGA monitor, mouse, and speakers (optional) to console ports of the Micro KVM.
4. Power on the computers.

Indicator Lights

When you have PC1 selected, the bottom LED will be lit; when PC2 is selected, both LED's are lit.

Hotkey Functions

The default hot key sequence to switch ports is [Scroll Lock], [Scroll Lock]. This is known as “Skip Mode”. For other Hot key commands, or to change to an alternate hot key, see the chart below.

No	Hotkey	Function
1	[Num lock] + [-] , then push [A] or [a]	Invoke Auto Scan Mode
	Alternate Method [Ctrl] + [F12] , then [A] or [a]	
	Push [Space] or [Esc]	Cancel Auto Scan Mode
2	[Scroll lock] Twice Alternate Method [Ctrl] Twice	Next port [skip mode]
3	[Num lock] + [-] , then push [T] or [t] Alternate Method [Ctrl] + [F12] , then [T] or [t]	Change the Skip Mode keys [Scroll lock] twice or [Ctrl] twice
4	[Num lock] + [-] , then push [H] or [h] Alternate Method [Ctrl] + [F12] , then [H] or [h]	Change the Hotkey activate keys [Num lock] + [-] or [Ctrl] + [F12]
5	[Num lock] + [-] , then push [R] or [r] Enter Alternate Method [Ctrl] + [F12] , then [R] or [r] Enter	Reset back to default [Num Lock] [-] ; [Scroll Lock] [Scroll Lock] ;Keyboard Platform Auto; and Keyboard Language English
6	[Num lock] + [-] , then push [F1] Alternate Method [Ctrl] + [F12] , then [F1]	Sets the PC Compatible keyboard operating platform
7	[Num lock] + [-] , then push [F2] Alternate Method [Ctrl] + [F12] , then [F2]	Sets the Mac Compatible keyboard operating platform
8	[Num lock] + [-] , then push [F3] Alternate Method [Ctrl] + [F12] , then [F3]	Sets the Sun Compatible keyboard operating platform
9	[Num lock] + [-] , then push [F4] Alternate Method [Ctrl] + [F12] , then [F4]	Prints out the current hotkey, keyboard operating platform, and language code settings.
10	[Num lock] + [-] , then push [F5] Alternate Method [Ctrl] + [F12] , then [F5]	Performs a USB reset.
11	[Num lock] + [-] , then push [F6] [nn] Enter Alternate Method [Ctrl] + [F12] , then [F6] [nn] Enter	Sets the keyboard language layout. Where 33 =US English, 08=French, and 15=Japanese
12	[Num lock] + [-] , then push [F10] Alternate Method [Ctrl] + [F12] , then [F10]	Sets the Auto keyboard operating platform

With the exception of switching the active computer (skip mode), all hotkey operations begin by invoking hotkey mode (HKM).

To invoke HKM, do the following:

1. Press and hold down the **Num Lock** key
2. Press and release the **minus** key
3. Release the **Num Lock** key

Note: The minus key must be released within one half second, otherwise hotkey invocation is cancelled. The alternative method to invoking HKM is to press the **Control** key then the **F12** key.

When HKM is active, the Caps Lock, and Scroll Lock LEDs flash in succession to indicate that HKM is in effect. They stop flashing and revert to normal status when you exit HKM.

When HKM is active, ordinary keyboard and mouse functions are suspended- only hotkey compliant keystrokes and mouse clicks (described below), can be input.

At the conclusion of some hotkey operations, you automatically exit hotkey mode. With some operations, you must exit manually. To exit HKM manually, press the **Esc** key, or the **Spacebar**.

Sun Keyboard

The USB 101/104 key keyboard can emulate the functions of the Sun keyboard when the Control key [Ctrl] is used in conjunction with other keys. The corresponding functions are shown in the table below.

Note: When using [Ctrl] combinations, press and release the Ctrl key, then press and release the activation key.

PS/2 Keyboard	Sun Keyboard
[Ctrl] [T]	Stop
[Ctrl] [F2]	Again
[Ctrl] [F3]	Props
[Ctrl] [F4]	Undo
[Ctrl] [F5]	Front
[Ctrl] [F6]	Copy
[Ctrl] [F7]	Open
[Ctrl] [F8]	Paste
[Ctrl] [F9]	Find
[Ctrl] [F10]	Cut
[Ctrl] [1]	☐ ➡
[Ctrl] [2]	➡ ➡
[Ctrl] [3]	➡ ➡
[Ctrl] [4]	☾
[Ctrl] [H]	Help

Mac Keyboard

The keyboard emulation mappings from the Mac keyboard to the PS/2 keyboards (101 key and 104 key), are listed in the table below.

Note: When using key combinations, press and release the first key (Ctrl or Alt), then press and release the activation key.

PS/2	Mac Keyboard
[Shift]	Shift
[Ctrl]	Ctrl
[Win]	⌘
[Ctrl] [1]	⬅
[Ctrl] [2]	➡
[Ctrl] [3]	⬅➡
[Ctrl] [4]	⬆
[Alt]	L Alt/Option
[Prt_Sc]	F13
[Scroll Lock]	F14
[Desktop Menu]	=
[Enter]	Return
[Delete]	Delete
[Ins]	Help
[Ctrl] [📄]	F15

Technical Specifications

Function			TruLink™ 2-Port Micro KVM with Audio
Computer Connections			2
Computer Port Selection			Hotkeys
Connectors	Console	Keyboard	1 x USB A Female
		Video	1 x HDB-15 Female (Blue)
		Mouse	1 x USB A Female
		Audio	1 x Stereo Earphone Jack Female (Green)
	Computer	Keyboard/Mouse	2 x USB A Male
		Video	2 x HDB-15 Male (Blue)
		Audio	2 x Stereo Earphone Plugs Male (Green)
LEDs	On Line/Selected	2 (Green)	
Keyboard / Mouse Emulation		USB	
VGA Resolution		2048 x 1536; DDC2B	
Scan Interval		5 seconds(default)	
Operation Temperature		0~50℃	
Storage Temperature		-20℃ ~60℃	
Humidity		0~80% RH, Non-condensing	
Housing		Plastic	
Weight		16 oz	
Dimensions		80 x 60 x 26 mm	

System Requirements

Console side	One VGA Monitor One USB Keyboard One USB Mouse One 3.5mm Speaker set (optional)
Computer side	No extra cables needed – simply connect the switches' cables to the PC

Troubleshooting

Symptom	Possible Cause	Action
Keyboard and/or Mouse Not Responding	Loose cables.	Check cable connections to make sure they are completely seated in their sockets.
	Keyboard/Mouse needs to be reset.	Unplug the keyboard/mouse from the Console Keyboard Port, then plug it back in.
	Switch needs to be reset	Turn off the computers. Unplug the KVM cables. Wait five seconds; then plug the cables back in and turn the computers on.
	Switch is in Auto Scan Mode.	Press the [Spacebar] to exit Auto Scan Mode.
	Selected port connects to a powered Off computer.	Resend the Hotkey command selecting a port that has a powered On computer attached.
Video Problems	Hotkey sequence input incorrectly.	Resend the Hotkey command - press and release each key in the sequence individually.
	Resolution and/or Bandwidth set too high.	Select a lower resolution and/or bandwidth.

Computers boot, but keyboard fails to control:

- Make sure the keyboard works when directly plugged into the computer.
- Try a different keyboard, but use only 101, 102 or 104-key keyboard.
- Keyboards with special keys that require drivers (internet hot keys, etc) will not work through the KVM.

Computers boot, but mouse is not detected:

- Make sure the mouse works when directly plugged into the computer.
- Make sure a combination mouse is set to a USB mode.
- Try a different mouse.
- Mice with special keys that require drivers (such as side buttons) may not work through the KVM.

Notebook computer will not function when attached to Micro KVM:

- Before powering on notebook computer, we recommend you first connect the computer to keyboard and mouse directly (not to the KVM) to test compatibility. If notebook PC functions properly, then connect to the Micro KVM.