

MT-Viki MT-108KM-U

MT-Viki 8 Port KVM Synchronizer USB Switch User Manual

Model: MT-108KM-U

1. INTRODUCTION

The MT-Viki MT-108KM-U is an 8-port USB KVM Synchronizer Switch designed to allow a single set of USB keyboard and mouse to control up to eight (8) personal computers (PCs). This device features both standard KVM switching and a unique synchronous control function, enabling simultaneous input to multiple connected computers. It is an ideal solution for environments requiring efficient management of multiple systems, such as server rooms, testing facilities, or multi-tasking workstations.

2. PRODUCT OVERVIEW

2.1 Features

- Controls 8 PCs from a single USB keyboard and mouse.
- Supports synchronous control mode for simultaneous input to multiple PCs.
- Hotkey switching for quick and convenient PC selection.
- Mouse crossing functionality for intuitive switching by moving the mouse cursor across screen borders.
- USB 2.0 compatibility for keyboard and mouse.
- Durable metal housing.

2.2 Components and Layout

Familiarize yourself with the KVM switch's ports and indicators before setup.



Figure 1: Overall connection diagram of the MT-Viki 8 Port KVM Synchronizer. This image illustrates how the KVM switch connects to eight individual personal computers (PCs) via USB cables, and how a single USB keyboard and mouse are connected to the KVM for controlling all linked systems.



Figure 2: Front panel view of the KVM switch. This image highlights the two USB-A console ports for keyboard and mouse, eight numbered PC selection buttons (1-8), corresponding LED indicators for active PC, and additional indicators for synchronous control mode (S1, S2).

- **USB Console Ports (Front):** Two USB-A ports for connecting your keyboard and mouse.
- **PC Ports (Rear):** Eight USB-B ports for connecting to the USB host ports of your PCs.
- **PC Selection Buttons (Front):** Buttons labeled 1-8 to manually switch between connected PCs.
- **PC Status LEDs (Front):** Indicators corresponding to each PC port, illuminating when a PC is selected.
- **Synchronous Mode LEDs (Front):** S1 and S2 indicators for synchronous control modes.
- **LINK RX/TX Ports (Front/Rear):** For cascading or specific control functions (refer to advanced documentation if applicable).

3. SETUP INSTRUCTIONS

Follow these steps to set up your MT-Viki KVM Synchronizer Switch:

1. **Power Off All Devices:** Ensure all PCs and the KVM switch are powered off before making any connections.
2. **Connect Keyboard and Mouse:** Plug your USB keyboard and USB mouse into the designated USB-A console ports on the front panel of the KVM switch.
3. **Connect PCs to KVM:** Use standard USB-A to USB-B cables (not always included, check package contents) to connect each of your 8 PCs to the corresponding PC ports (1-8) on the rear of the KVM switch. Connect the USB-B end to the KVM and the USB-A end to an available USB port on each PC.
4. **Power On KVM:** The KVM switch typically draws power from the connected PCs via the USB cables. If an external power adapter port is present (not explicitly listed for this model), and you experience instability, connect a compatible 5V DC power adapter (not included).
5. **Power On PCs:** Power on all connected PCs. The KVM switch will detect the active PCs, and the corresponding PC status LEDs will illuminate.

Note: For optimal performance, ensure all USB cables are securely connected. If using long cables, ensure they are of high quality to prevent signal degradation.

4. OPERATING INSTRUCTIONS

4.1 Switching Between PCs

You can switch between connected PCs using the following methods:

- **Manual Button Switching:** Press the numbered buttons (1-8) on the front panel of the KVM switch to directly select the desired PC. The corresponding LED will light up.
- **Hotkey Switching:** Use keyboard hotkeys to switch between PCs. Common hotkey sequences include:
 - Press the **Scroll Lock** key twice rapidly (e.g., Scroll Lock, Scroll Lock). Then press the number key (1-8) corresponding to the desired PC.
 - Alternatively, some models use **Ctrl** key twice rapidly (e.g., Ctrl, Ctrl). Then press the number key (1-8).
 - To cycle through PCs sequentially, press **Scroll Lock** twice, then **Up Arrow** or **Down Arrow**.

Note: Specific hotkeys may vary. Refer to the manufacturer's official documentation or experiment with common KVM hotkey combinations if the exact sequence is not provided.

- **Mouse Crossing (Virtual Screen Switching):** This feature allows you to switch PCs by moving your mouse cursor to the edge of one screen and continuing to move it, causing it to appear on the adjacent PC's screen. This requires software installation on each PC and proper configuration of virtual screen layouts.

4.2 Synchronous Control Mode

The synchronous control mode allows you to send keyboard and mouse input to multiple selected PCs simultaneously. This is useful for tasks like installing software on multiple machines, performing simultaneous updates, or running parallel tests.

- **Activating Synchronous Mode:** Typically, this mode is activated via a specific hotkey sequence. For example, pressing **Scroll Lock** twice, then **S** (for Synchronize). The S1 or S2 LED on the front panel

may illuminate.

- **Selecting PCs for Synchronous Control:** Once in synchronous mode, you might be able to select which PCs receive simultaneous input. This could involve pressing the corresponding PC number buttons or another hotkey sequence.
- **Exiting Synchronous Mode:** To exit, repeat the activation hotkey sequence or press a designated exit hotkey (e.g., Scroll Lock twice, then N for Normal).

Caution: Ensure you understand the implications of synchronous control before using it, as actions performed will affect all selected PCs simultaneously.

5. MAINTENANCE

Proper maintenance ensures the longevity and reliable operation of your KVM switch.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the KVM switch. Avoid using liquid cleaners, aerosols, or solvents, as these can damage the device.
- **Environment:** Place the KVM switch in a cool, dry, and well-ventilated area. Avoid direct sunlight, excessive heat, humidity, or dusty environments.
- **Cable Management:** Ensure cables are neatly organized and not excessively bent or strained. This prevents damage to the cables and ports.
- **Firmware Updates:** Periodically check the MT-Viki official website for any available firmware updates for your model. Follow the provided instructions carefully for any update procedures.

6. TROUBLESHOOTING

If you encounter issues with your KVM switch, refer to the following common problems and solutions:

- **Keyboard/Mouse Not Responding:**
 - Check all USB cable connections between the keyboard/mouse, KVM, and PCs. Ensure they are secure.
 - Try connecting the keyboard/mouse directly to a PC to verify they are functional.
 - Restart the KVM switch by disconnecting and reconnecting all PC USB cables, then restart the PCs.
 - Ensure the correct PC is selected on the KVM (check the active PC LED).
- **Switching Not Working:**
 - Verify that the hotkey sequence is being pressed correctly and rapidly.
 - Ensure the KVM is receiving sufficient power (all PCs are on).
 - Try using the manual selection buttons on the front panel.
- **Synchronous Mode Issues:**
 - Confirm that synchronous mode is correctly activated (check S1/S2 LEDs).
 - Ensure all desired PCs are properly connected and recognized by the KVM.
 - Some operating systems or applications may interfere with synchronous input.
- **Intermittent Connectivity:**

- Replace USB cables with higher quality or shorter ones if issues persist.
- Ensure no strong electromagnetic interference sources are near the KVM or cables.

Important: If troubleshooting steps do not resolve the issue, contact MT-Viki customer support or your vendor for further assistance.

7. SPECIFICATIONS

Feature	Specification
Model Number	MT-108KM-U
Type	USB Adapter / KVM Switch
Computer Connections	8 Ports
Interface Type	USB
Housing Material	Metal
Color	Black
Certification	CE
Item Weight	50 Grams (approximate)

8. WARRANTY AND SUPPORT

The MT-Viki MT-108KM-U KVM Synchronizer Switch comes with a standard manufacturer's warranty. Please refer to the warranty card included with your product or visit the official MT-Viki website for detailed warranty terms and conditions.

For technical support, troubleshooting assistance, or inquiries about product functionality, please contact MT-Viki customer service through their official website or the contact information provided in your product packaging. When contacting support, please have your product model number (MT-108KM-U) and purchase details readily available.