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SATMW AM-KVM201CC

SATMW AM-KVM201CC 2-Port HDMI KVM Switch User Manual

Model: AM-KVM201CC

1. Introduction

The SATMW AM-KVM201CC is a 2-port HDMI KVM switch designed to allow two computers to share a single HDMI display, USB keyboard, and USB mouse. This device supports high-definition video sources up to 4Kx2K@30Hz and features adaptive EDID/HDCP decryption for stable signal transmission. It is suitable for various environments including offices, computer rooms, and monitoring stations, providing an efficient solution for managing multiple systems with minimal peripheral equipment.

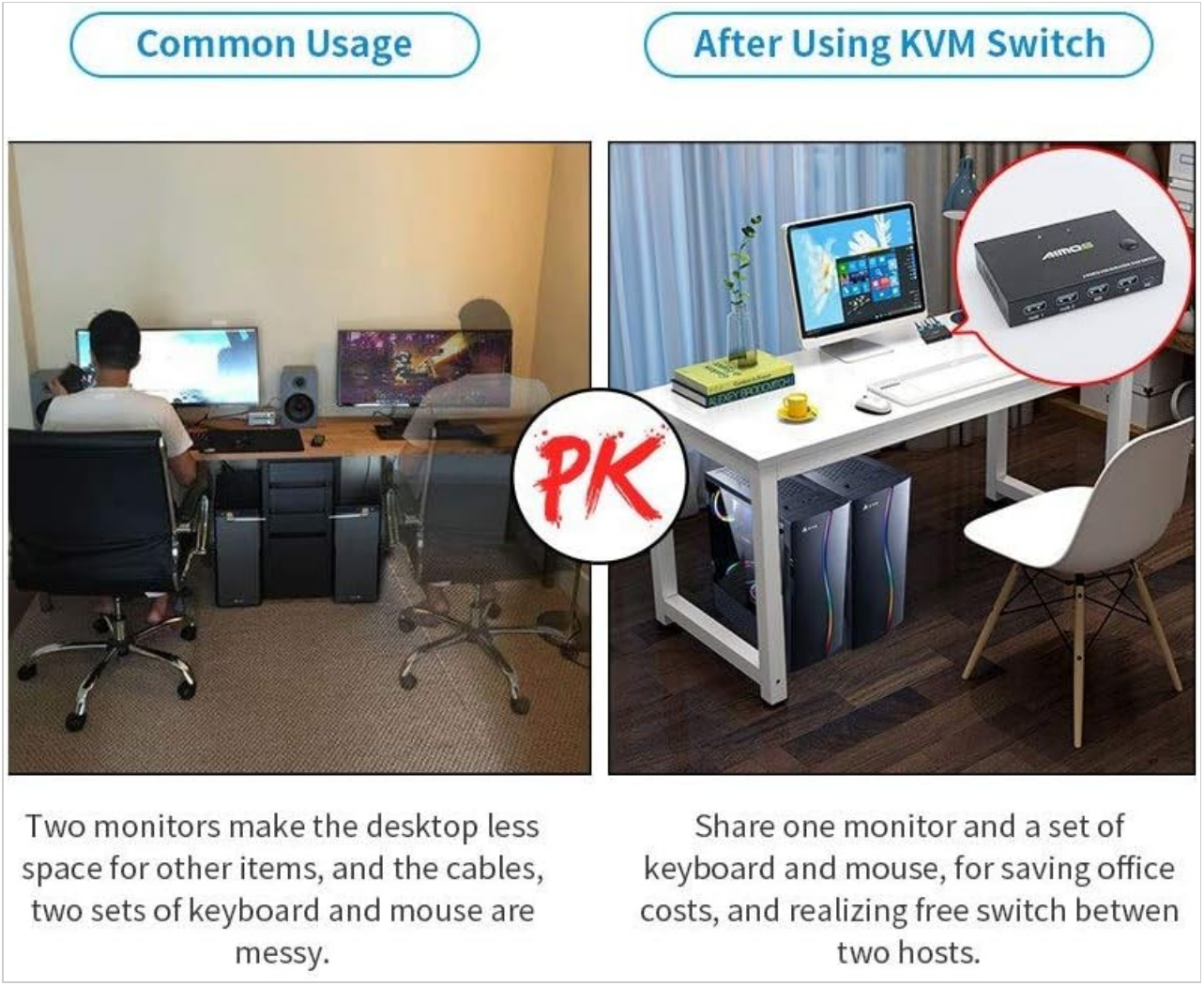


Image 1.1: This image illustrates the benefit of using the KVM switch. On the left, a desk with two computers, two monitors, and multiple keyboards and mice appears cluttered. On the right, the same two computers are managed with a single monitor, keyboard, and mouse via the KVM switch, resulting in a tidier workspace.

2. Safety Information

- Ensure the device is placed on a stable, flat surface to prevent accidental falls.
- Do not expose the KVM switch to water, moisture, or extreme temperatures.
- Avoid blocking ventilation openings to prevent overheating.
- Use only the provided USB cables for connection to ensure proper functionality and prevent damage.
- Do not attempt to open or repair the device yourself. Refer all servicing to qualified personnel.
- Disconnect all cables before cleaning the device. Use a soft, dry cloth for cleaning.

3. Package Contents

Please check the package contents upon opening to ensure all items are present:

- 1 x AM-KVM201CC KVM Switch
- 1 x USB Cable (for PC connection)
- 1 x User Manual (this document)

4. Product Overview

The AM-KVM201CC KVM switch features a compact metal design with clearly labeled ports for easy connection. It includes two HDMI inputs for computers, one HDMI output for a display, and multiple USB ports for peripherals.

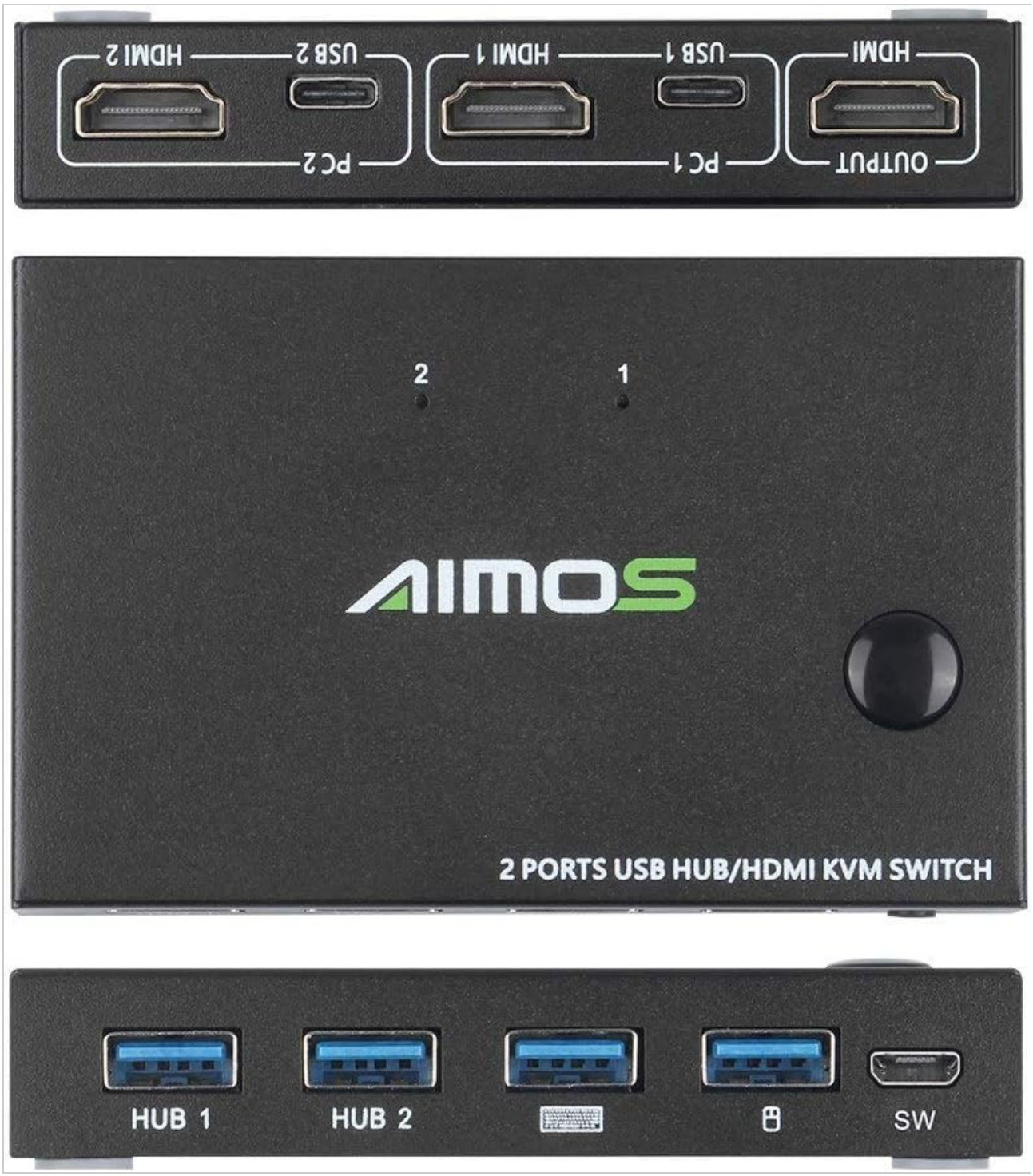


Image 4.1: This image displays the front and rear panels of the KVM switch. The front panel includes two USB HUB ports and a switch button. The rear panel features the HDMI output, two PC input sections (each with HDMI and USB-B ports), and two USB-A output ports for keyboard and mouse.

Port Descriptions:

- **HDMI Output:** Connects to your monitor or display.
- **PC1/PC2 HDMI Input:** Connects to the HDMI output of your computers.
- **PC1/PC2 USB-B Input:** Connects to a USB port on your computers for keyboard, mouse, and USB hub functionality.
- **USB-A Output (Keyboard/Mouse):** Dedicated ports for connecting your USB keyboard and mouse.
- **USB HUB 1/2:** Additional USB 2.0 ports for connecting other USB devices like U-disks or printers.

- **SW Button:** Press to switch between PC1 and PC2.



Image 4.2: This image shows a top-down view of the KVM switch, highlighting its compact form factor and the switch button on the right side.

5. Specifications

Feature	Specification
Type	KVM Switch
Model	AM-KVM201CC
Material	Metal
Standards	HDMI 1.4, HDCP 1.4
Max. Pixel Clock	340MHz
Max. Data Rate	10Gbps
Resolution Support	Up to 4Kx2K@30Hz, 3D, 1920*1080@60Hz, 3840*2160@30Hz
HDMI Connector	HDMI-A Interface
HDMI Cable Range	<5M (for 1920*1080@60Hz)
USB Interface Protocols	USB 2.0
PC Input Interface	USB-B
USB Output Interface	USB-A
Power Supply	USB Power

Feature	Specification
Power Dissipation	MAX. 2W
Operating Temperature	-5℃ to +70℃
Operating Humidity	5% to 90% (non-condensing)
Item Size	101 x 65 x 20mm (3.98 x 2.56 x 0.79 inches)
Item Weight	150g (5.29oz)



Image 5.1: This image provides the physical dimensions of the KVM switch, showing its length, width, and height in millimeters.

6. Setup Instructions

Follow these steps to connect your AM-KVM201CC KVM switch:

1. **Connect Display:** Connect your HDMI monitor to the 'OUTPUT HDMI' port on the KVM switch.
2. **Connect Keyboard and Mouse:** Connect your USB keyboard and USB mouse to the dedicated 'USB-A' ports on the KVM switch.
3. **Connect Computers (PC1):**
    - Connect an HDMI cable from your first computer's HDMI output to the 'PC1 HDMI' input on the KVM switch.
    - Connect the provided USB-B cable from a USB port on your first computer to the 'PC1 USB-B' input on the KVM switch. This provides power and USB data for keyboard, mouse, and hub.

4. **Connect Computers (PC2):**
    - Connect an HDMI cable from your second computer's HDMI output to the 'PC2 HDMI' input on the KVM switch.
    - Connect another USB-B cable from a USB port on your second computer to the 'PC2 USB-B' input on the KVM switch.
5. **Connect Additional USB Devices (Optional):** If you have other USB devices (e.g., USB drive, printer), connect them to the 'HUB 1' or 'HUB 2' USB-A ports on the KVM switch.
6. **Power On:** Ensure both computers are powered on. The KVM switch draws power from the USB connections.



Image 6.1: This diagram illustrates the 'Plug & Play' nature of the KVM switch, showing various input devices (Smart Player, Desktop Computer, Laptop) and output devices (HD TV, Monitor, Projector) that can be connected. It also provides a clear visual of the KVM switch's ports and their functions for connection.

7. Operating Instructions

The AM-KVM201CC KVM switch is designed for simple operation.

Switching Between Computers:

To switch control between PC1 and PC2, simply press the 'SW' button located on the front panel of the KVM switch. Each press will toggle between the connected computers.



Image 7.1: This image shows the KVM switch in an active setup, sharing a single monitor, keyboard, and mouse between a laptop and a desktop computer, illustrating its primary function of switching control between two hosts.

Plug and Play Functionality:

The KVM switch supports plug and play, meaning no additional drivers are required for most operating systems. Simply connect the devices as described in the setup section, and the system should automatically detect and configure the connections.

8. Maintenance

To ensure the longevity and optimal performance of your KVM switch, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the exterior of the device. Do not use liquid cleaners, aerosols, or solvents.
- **Ventilation:** Ensure the heat-dissipation holes on the sides of the unit are not obstructed to allow for proper airflow and prevent overheating.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Management:** Keep cables organized and free from kinks or excessive bending to prevent damage to the cables and ports.

9. Troubleshooting

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

- **No Display on Monitor:**
  - Ensure all HDMI cables are securely connected to both the KVM switch and your computers/monitor.
  - Verify that the monitor is powered on and set to the correct HDMI input.
  - Try connecting the monitor directly to a computer to confirm the monitor and cable are functional.
  - Restart the computers.
- **Keyboard or Mouse Not Responding:**
  - Ensure the USB-B cables are securely connected from the KVM switch to both computers.
  - Verify that the keyboard and mouse are connected to the correct USB-A ports on the KVM switch.
  - Try connecting the keyboard and mouse directly to a computer to confirm they are functional.
  - Switch to the other computer port on the KVM switch and then back.
- **Flickering or Poor Image Quality:**
  - Ensure you are using high-quality HDMI cables, especially for 4K resolutions.
  - Check the length of your HDMI cables; for 1080p, cables should be less than 5 meters. Longer cables may require active extenders.
  - Verify that your computer's display settings (resolution and refresh rate) are compatible with the KVM switch and monitor.
- **USB Devices Not Detected (e.g., U-disk, Printer):**
  - Ensure the USB-B cables are connected from the KVM switch to both computers, as these provide power and data for the USB hub.
  - Try connecting the USB device to a different USB HUB port on the KVM switch.
  - Connect the USB device directly to a computer to confirm its functionality.

10. Applications

The AM-KVM201CC KVM switch is versatile and can be used in various settings to streamline computer management:

- **Office Environments:** Manage multiple workstations or test benches with a single set of peripherals.
- **Home Use:** Switch between a personal computer and a work computer without rearranging cables.
- **Multimedia Teaching:** Facilitate presentations and demonstrations by easily switching between different source computers.
- **Video Conferencing:** Seamlessly switch between different systems during meetings.

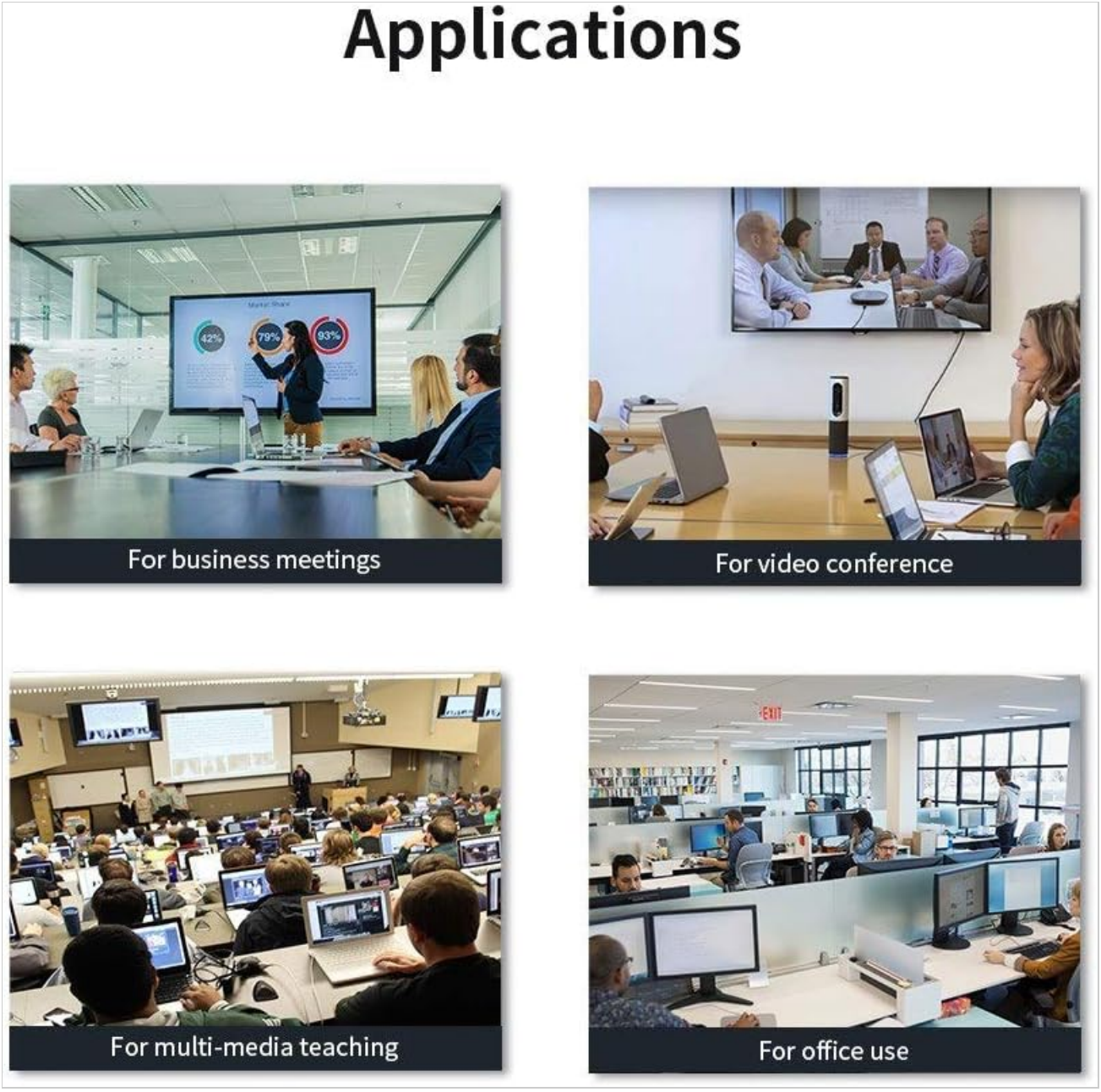


Image 10.1: This image illustrates various application scenarios for the KVM switch, including its use in business meetings, video conferences, multi-media teaching environments, and general office settings, demonstrating its utility in professional and educational contexts.

11. Warranty and Support

This product comes with a standard manufacturer's warranty. For specific warranty details, please refer to the documentation provided at the time of purchase or contact your retailer. For technical support or further assistance, please reach out to the SATMW customer service team through the contact information provided on their official website or your purchase platform.

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