AOOCOO KVM-HDMI-3C2M-4K60

AOOCOO Dual Monitor KVM Switch User Manual

Model: KVM-HDMI-3C2M-4K60

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and troubleshooting of your AOOCOO Dual Monitor KVM Switch. This device allows you to control up to three computers using a single set of keyboard and mouse, and display their output on two monitors. It supports high resolutions up to 4K@60Hz or 2K@144Hz.
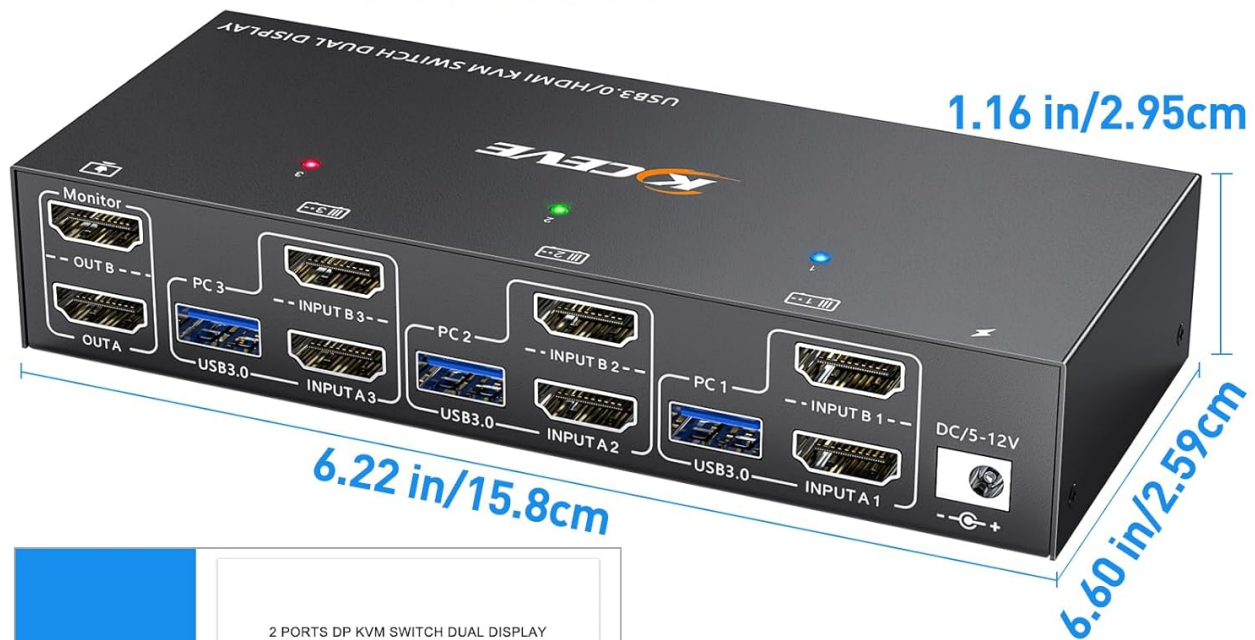
Image 1.1: AOOCOO Dual Monitor KVM Switch with its accessories.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1x AOOCOO Dual Monitor USB 3.0 HDMI KVM Switch
- 2x HDMI 2.0 Cables (1.5m / 4.92ft)
- 3x USB 3.0 Cables (1.5m / 4.92ft)
- 1x Wired Remote Controller (1.5m / 4.92ft)
- 1x User Manual
- 1x 12V Power Adapter (1.5m / 4.92ft)

PACKING LIST

1.16 in/2.95cm

6.22 in/15.8cm

6.60 in/2.59cm

1x User manual	2 PORTS DP KVM SWITCH DUAL DISPLAY USER MANUAL Model:KVM202DPA	**2x HDMI2.0 Cable (1.5m/4.92ft)**
1x DC12V Power Adapter (1.5m/4.92ft)		**3x USB3.0 Cable (1.5m/4.92ft)**
1x Wired Remote (1.52m/4.98ft)		

Image 2.1: Package contents and device dimensions.

3. PRODUCT FEATURES

- **Dual Monitor Support:** Control 3 computers with 2 monitors, keyboard, and mouse.

- **High Resolution:** Supports resolutions up to 4K@60Hz and 2K@144Hz. Backward compatible with lower resolutions.

- **USB 3.0 Hub:** Features 4 USB 3.0 ports for connecting peripherals like keyboards, mice, printers, and scanners, offering data transfer speeds up to 5Gbps.

- **EDID Emulator:** Simulates monitor EDID to maintain display settings and window order when switching between computers.

- **Multiple Switching Methods:** Switch between computers using the front panel button or the included wired remote controller.

- **Display Modes:** Supports both Extended Display Mode and Copy Display Mode.

- **Plug and Play:** Driver-free installation, compatible with various operating systems including Windows, macOS, Linux, and Chrome OS.

- **Power Switch:** Dedicated power button for convenient power management.

Image 3.1: Plug and Play compatibility across multiple operating systems.

4. SETUP INSTRUCTIONS

Follow these steps to connect your KVM switch:

1. **Power Off Devices:** Ensure all computers and monitors are powered off before making connections.

2. **Connect Monitors to KVM:** Connect your two monitors to the KVM switch's "OUT A" and "OUT B" HDMI ports.

3. **Connect Computers to KVM (Video):** For each computer (PC1, PC2, PC3), connect its two HDMI outputs to the corresponding "INPUT A" and "INPUT B" ports on the KVM switch. **Note:** Each computer requires two HDMI connections to the KVM for dual monitor functionality. If your computer has only one HDMI port, you may need an adapter (e.g., USB-C to HDMI, DisplayPort to HDMI) to provide the second HDMI output.

4. **Connect Computers to KVM (USB):** For each computer (PC1, PC2, PC3), connect one end of a USB 3.0 cable to a USB 3.0 port on your computer and the other end to the corresponding "USB3.0 INPUT" port on the KVM switch. These connections enable keyboard, mouse, and other USB device sharing.

5. **Connect Keyboard/Mouse/USB Devices:** Connect your keyboard, mouse, and any other USB 3.0 peripherals (e.g., printer, USB drive) to the 4 USB 3.0 ports on the front panel of the KVM switch.

6. **Connect Wired Remote:** Plug the wired remote controller into the dedicated port on the KVM switch.

7. **Connect Power Adapter:** Connect the 12V power adapter to the KVM switch's DC/5-12V port and then plug it into a power outlet.

8. **Power On:** Power on the KVM switch, then your monitors, and finally your computers.
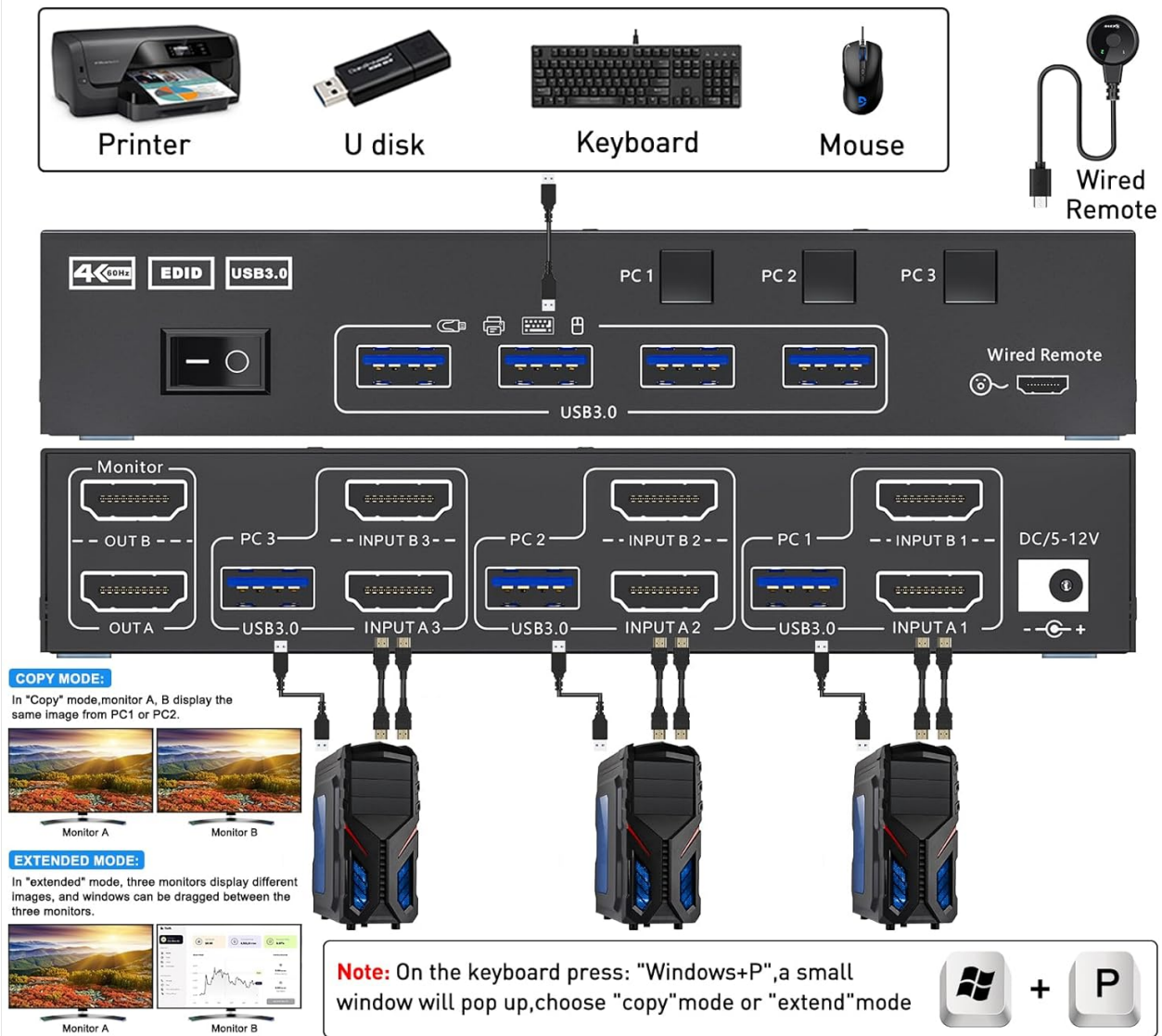

Image 4.1: KVM Switch connection diagram.

5. OPERATING INSTRUCTIONS

5.1 Switching Between Computers

You can switch between connected computers using two methods:

- **Front Panel Button:** Press the "PC1", "PC2", or "PC3" button on the front panel of the KVM switch to select the desired computer.

- **Wired Remote Controller:** Use the wired remote to cycle through the connected computers.

The LED indicators on the KVM switch will illuminate to show which computer is currently active.
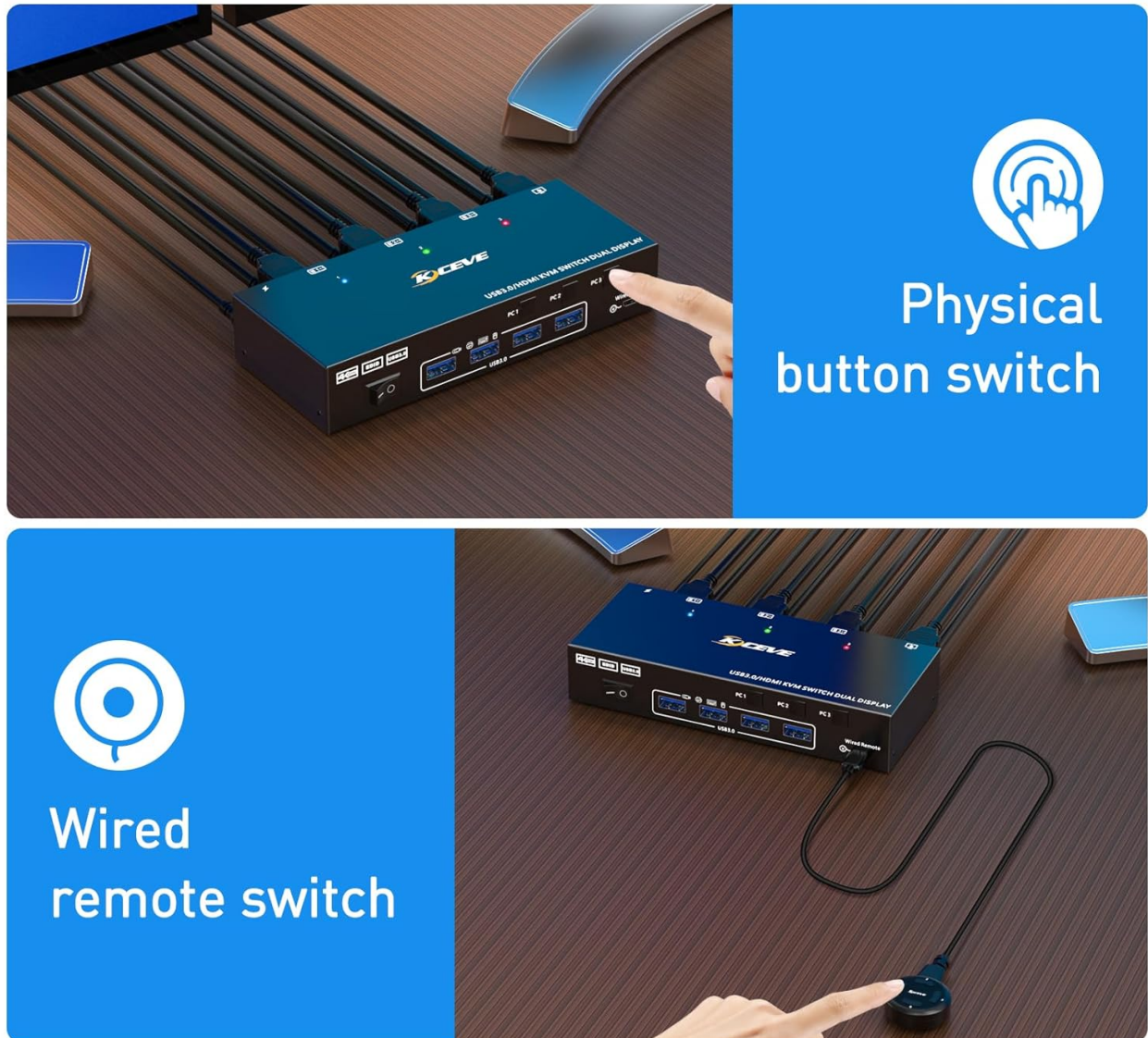

Image 5.1: Two methods for switching between computers.

Image 5.2: LED indicators for active computer selection.

5.2 Display Modes (Extended/Copy)

The KVM switch supports both Extended Display Mode and Copy Display Mode. After connecting, you can

configure your display settings on your computer:

- **Windows:** Press **Windows Key + P** to open the Project menu. From there, select "Duplicate" for Copy Mode or "Extend" for Extended Mode.
- **macOS:** Go to System Settings > Displays to configure your display arrangement.

Image 5.3: Illustration of Copy Mode and Extend Mode.

5.3 EDID Emulator Function

The built-in EDID emulator simulates the monitor's EDID (Extended Display Identification Data). This feature helps to:

- **Maintain Window Order:** When switching between computers, the windows on the inactive computer will retain their arrangement and position, preventing disruption.
- **Automatic Resolution Detection:** The KVM automatically identifies and applies the optimal resolution for the connected monitors.
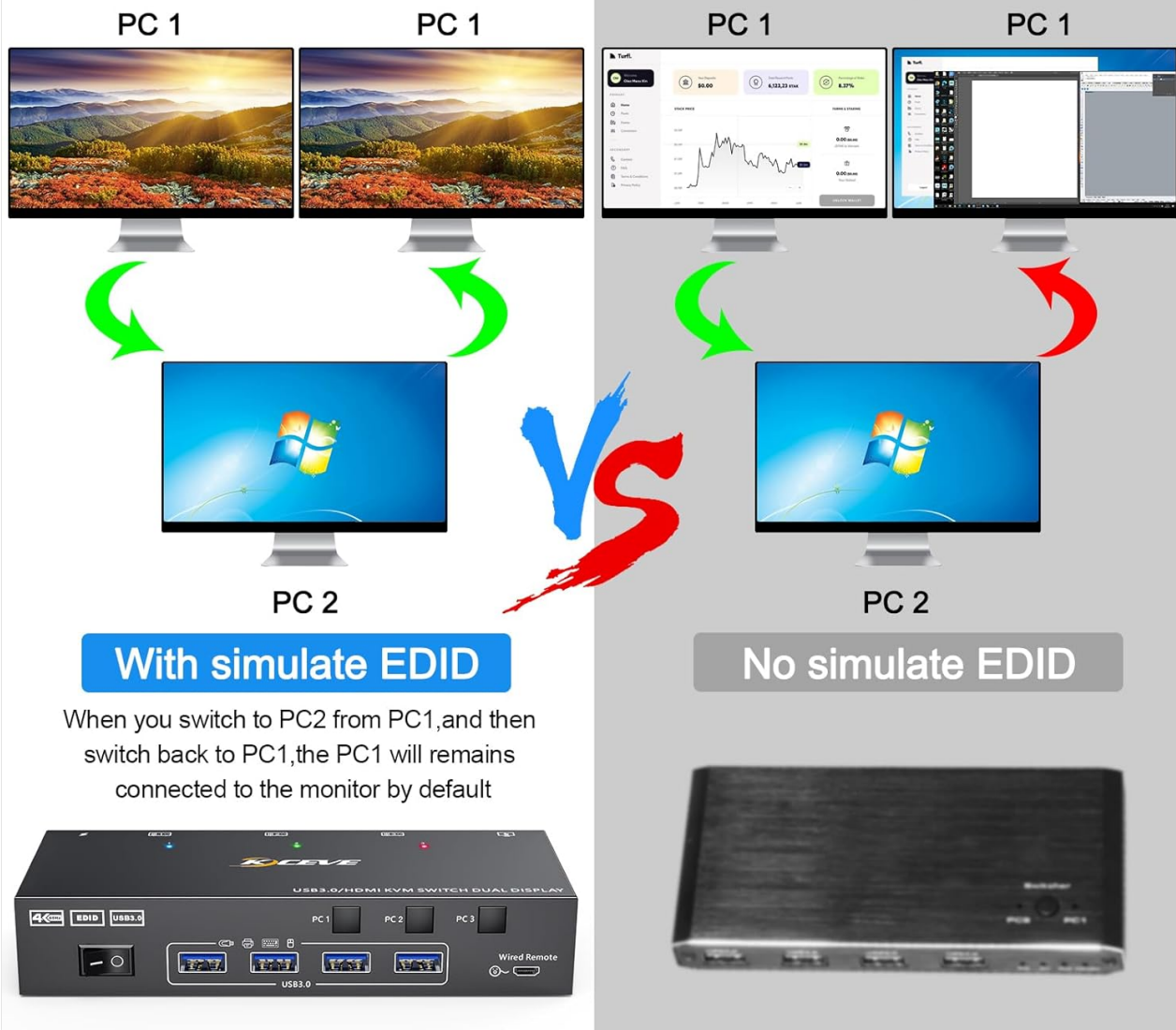
Image 5.4: EDID Emulator functionality comparison.

6. MAINTENANCE

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

- Keep the device in a cool, dry place, away from direct sunlight and excessive heat.
- Avoid exposing the device to moisture or liquids.
- Clean the exterior with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure proper ventilation around the device to prevent overheating.
- When not in use for extended periods, consider powering off the KVM switch using its dedicated power button to save energy.

7. TROUBLESHOOTING

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

- **No Display on Monitors:**

    - Ensure all HDMI cables are securely connected between computers, KVM, and monitors.
    - Verify that the KVM switch is powered on and the correct computer input is selected.
    - Check if your monitors are powered on and set to the correct HDMI input source.
    - Confirm that your computers and monitors support the desired resolution (e.g., 4K). Use HDMI 2.0 cables for 4K resolution.
    - Try restarting the KVM switch, monitors, and computers.

- **Keyboard/Mouse or USB Devices Not Recognized:**

    - Ensure the USB 3.0 cables from each computer are correctly connected to the corresponding "USB3.0 INPUT" ports on the KVM switch.
    - Verify that your keyboard, mouse, or other USB devices are plugged into the USB 3.0 ports on the front of the KVM switch.
    - Try connecting the USB device directly to the computer to confirm it functions independently.
    - Some high-power USB devices may require direct connection or an external power source.

- **Resolution or Refresh Rate Issues:**

    - Ensure all HDMI cables are HDMI 2.0 compliant for 4K@60Hz or 2K@144Hz. Shorter cables are generally better for higher resolutions.
    - Check your computer's display settings to ensure the correct resolution and refresh rate are selected.
    - Verify that your graphics card and monitors support the desired resolution and refresh rate.

- **MAC M1/M2 Specific Issues:**

    - MAC M1/M2 chips natively support only one external screen for multi-screen output. Additional adapters or specific configurations may be required for dual external displays, which may not be supported by this KVM.

- **MST Multi-Screen Docking Station Compatibility:**

    - If using an MST multi-screen docking station, ensure your computer's CPU is 11th generation or newer for proper functionality.

8. SPECIFICATIONS

Feature	Detail
Model	KVM-HDMI-3C2M-4K60
Inputs	3 x HDMI (PC Video), 3 x USB 3.0 (PC USB)
Outputs	2 x HDMI (Monitor), 4 x USB 3.0 (Peripherals)
Video Resolution	Up to 4K@60Hz, 2K@144Hz, 1440P@60Hz, 1080P@60Hz
USB Data Transfer	USB 3.0 (up to 5Gbps)
Switching Methods	Front Panel Button, Wired Remote Controller

Power Supply	DC 12V Power Adapter (Included)
Operating System Compatibility	Windows, macOS, Linux, Chrome OS
Dimensions (L x W x H)	Approximately 6.22 x 6.60 x 1.16 inches (15.8 x 16.76 x 2.95 cm)
Weight	Approximately 2.05 Pounds (0.93 kg)
Material	Metal

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or contact AOOCOO customer service directly. Details for contacting support are typically found on the product packaging or the manufacturer's official website.