

VPFET VPFET-MODEL-NUMBER

VPFET 4K144Hz HDMI KVM Switch

MODEL: VPFET-MODEL-NUMBER - USER MANUAL

1. INTRODUCTION

This VPFET 4K144Hz HDMI KVM Switch is designed to allow two computers to share a single set of keyboard, mouse, and three monitors. It supports high resolutions up to 8K@60Hz and 4K@120Hz, providing a seamless and efficient workspace for users with multiple systems and display requirements. The integrated USB 3.0 ports enable fast data transfer and sharing of additional USB peripherals.

3-Channel Monitor KVM Switch

More Efficient Way of Working



Image: User operating a triple monitor setup with the KVM switch.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x VPFET 4K144Hz HDMI KVM Switch Unit
- 1 x External Desktop Controller
- 2 x USB 3.0 A-A Cables
- 1 x DC12V Power Adapter
- 1 x User Manual (Physical Copy)

Package List

HDMI KVM Switch



USB3.0 A-A Cable



Desktop Control



DC12V Adapter



User manual

Image: Contents of the VPJET KVM Switch package.

3. PRODUCT OVERVIEW

Familiarize yourself with the ports and controls on the KVM switch.



Image: Front and Rear Panel Layout of the KVM Switch.

3.1 Front Panel

- **USB 3.0 Ports (1-4):** Connect your keyboard, mouse, USB flash drives, printers, or other USB peripherals.
- **PC1/PC2 Indicator:** LED lights indicate which computer is currently active.
- **SW (Switch) Button:** Press to switch between PC1 and PC2.
- **Control Port:** Connect the external desktop controller for remote switching.

3.2 Rear Panel

- **ON/OFF Switch:** Power switch for the KVM unit.
- **DC 12V:** Power input port. Connect the provided DC12V power adapter.
- **PC1 IN (HDMI A, B, C & USB3.0):** Connect HDMI outputs and a USB 3.0 A-A cable from Computer 1.
- **PC2 IN (HDMI A, B, C & USB3.0):** Connect HDMI outputs and a USB 3.0 A-A cable from Computer 2.
- **OUT A, B, C:** Connect your three monitors to these HDMI output ports.

4. SETUP INSTRUCTIONS

Follow these steps to connect your KVM switch:



Image: KVM Switch Connection Diagram.

1. **Connect Monitors:** Connect your three monitors to the KVM's HDMI OUT A, OUT B, and OUT C ports.
2. **Connect Computer 1:**
 - Connect three HDMI cables from Computer 1's HDMI outputs to the KVM's PC1 IN (HDMI A, B, C) ports.
 - Connect one USB 3.0 A-A cable from Computer 1's USB port to the KVM's PC1 IN (USB3.0) port.
3. **Connect Computer 2:**
 - Connect three HDMI cables from Computer 2's HDMI outputs to the KVM's PC2 IN (HDMI A, B, C) ports.
 - Connect one USB 3.0 A-A cable from Computer 2's USB port to the KVM's PC2 IN (USB3.0) port.
4. **Connect Peripherals:** Connect your keyboard, mouse, and any other USB peripherals (e.g., printer, USB drive) to the USB 3.0 ports on the KVM's front panel.
5. **Connect External Controller (Optional):** Plug the external desktop controller into the 'Control' port on the KVM's front panel.
6. **Connect Power:** Plug the DC12V power adapter into the KVM's DC 12V port, then plug the adapter into a power outlet.
7. **Power On:** Turn on the KVM switch using the ON/OFF switch on the rear panel. Power on both connected computers.

Important Note:

- For triple monitor functionality, each connected computer's graphics card must have three HDMI outputs.
- Ensure all HDMI and USB cables are securely connected.
- The KVM supports both duplication (mirror) and extension display modes, depending on your computer's

display settings.

5. OPERATING INSTRUCTIONS

5.1 Switching Between Computers

You can switch between the two connected computers using one of two methods:

- **Front Panel Button:** Press the 'SW' button on the front panel of the KVM switch to toggle between PC1 and PC2.
- **External Desktop Controller:** Press the button on the external desktop controller to switch between PC1 and PC2. This allows for convenient switching if the KVM unit is out of reach.



Image: Front panel switch button.



Image: External desktop controller.

5.2 LED Indicators

The LED indicators on the front panel will illuminate to show which computer (PC1 or PC2) is currently selected and active. A green light indicates the active PC.



Image: LED indicators for active PC.

5.3 USB 3.0 Ports

The four USB 3.0 ports on the front panel support data transfer rates up to 5Gbps, which is 10 times faster than USB 2.0. These ports are backward compatible with USB 2.0 and USB 1.1 devices, allowing you to share various peripherals between your two computers.

USB3.0 Transfer Files in Seconds

5 Gbps

10X Faster than USB 2.0

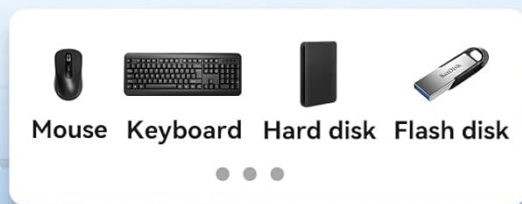


Image: USB 3.0 data transfer speed comparison.

5.4 Display Modes

The KVM switch supports both extended and mirrored display modes for your triple monitor setup. You can configure these settings within your computer's operating system display preferences.

- **Extended Displays:** Each monitor displays a different part of your desktop, expanding your workspace.
- **Mirror Displays:** All three monitors display the same content.



Image: Extended and Mirror Display Modes.

6. MAINTENANCE

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

- Keep the device in a cool, dry place, away from direct sunlight and excessive heat.
- Clean the exterior with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- Ensure proper ventilation around the unit to prevent overheating.
- Avoid placing heavy objects on top of the KVM switch.

7. TROUBLESHOOTING

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

- **No Display or Incorrect Resolution:**
 - Ensure all HDMI cables are securely connected between the computers, KVM, and monitors.

- Verify that your computer's graphics card supports three HDMI outputs.
 - Check that your monitors and HDMI cables are compatible with the desired resolution (e.g., 8K for 8K@60Hz, 4K for 4K@120Hz).
 - Try restarting the KVM switch and both computers.
- **Keyboard/Mouse or USB Peripherals Not Working:**
 - Ensure the USB 3.0 A-A cables are correctly connected from both computers to the KVM's PC IN USB3.0 ports.
 - Verify that the KVM switch is powered on.
 - Try connecting the USB peripheral directly to the computer to confirm it functions independently.
 - Some high-power USB devices may require an external power source.
- **Switching Issues:**
 - Ensure the 'SW' button or external controller button is pressed firmly.
 - Check the connection of the external desktop controller to the KVM's 'Control' port.
 - Confirm the LED indicator changes to the desired PC.
- **Output A Shows Incorrect Colors:**
 - Try swapping the HDMI cable connected to Output A with another HDMI cable.
 - If possible, try connecting the monitor to a different output port (e.g., Output B or C) to isolate the issue.
 - Ensure your monitor settings are correctly configured.

8. SPECIFICATIONS

Model Number	VPFET-MODEL-NUMBER
Video Resolution	Up to 8K@60Hz, 4K@120Hz
USB Ports	4 x USB 3.0 (5Gbps data transfer)
Operating Mode	Manual (Button-push)
Operating Voltage	DC 12V
Dimensions (L x W x H)	15 x 6.5 x 4.8 cm
Weight	620 grams
Material	Metal (Copper, Bronze contact material)
Color	Black

9. WARRANTY AND SUPPORT

This VPFET KVM Switch comes with a **12-month warranty** from the date of purchase.

If you encounter any problems or have questions regarding the product, please do not hesitate to contact our customer support team. We are committed to assisting you until your issue is resolved.

Please refer to the contact information provided with your purchase or on the official VPFET website for support.

