Black Box KV0008A-R2

Black Box Freedom II 8-Port KVM Switch User Manual

Model: KV0008A-R2

1. INTRODUCTION AND OVERVIEW

The Black Box Freedom II 8-Port KVM Switch (Model KV0008A-R2) is designed to provide seamless control over multiple computer systems using a single keyboard, mouse, and monitor. This device utilizes advanced glide-and-switch technology, allowing users to effortlessly transition between up to eight connected computers by simply moving the mouse cursor across screen boundaries. This manual provides essential information for setting up, operating, and maintaining your KVM switch to ensure optimal performance.

2. KEY FEATURES

- **8-Port KVM Functionality:** Control up to eight computer systems from a single workstation.
- **Glide-and-Switch Technology:** Seamlessly switch between computers by moving your mouse cursor from one screen to another.
- **USB Connectivity:** Supports USB keyboard and mouse connections.
- **Compact Design:** Efficient use of desk space.

3. SETUP INSTRUCTIONS

Follow these steps to properly set up your Black Box Freedom II KVM Switch:

1. **Power Off All Devices:** Ensure all computers and monitors are powered off before beginning the installation.
2. **Connect Peripherals to KVM Console Ports:**
   - Connect your USB keyboard and mouse to the designated USB console ports on the KVM switch.
   - Connect your monitor(s) to the video output port(s) on the KVM switch.
   - Connect your speakers and microphone (if applicable) to the audio console ports.
3. **Connect Computers to KVM Ports:** For each computer you wish to connect:
   - Connect a USB-B to USB-A cable from the KVM's computer port (e.g., "Computer 1") to an available USB-A port on your computer.
   - Connect a video cable (e.g., HDMI, DisplayPort, DVI, VGA, depending on your model's ports) from the KVM's computer port to the corresponding video output on your computer.

- Connect audio cables (if applicable) from the KVM's computer port to your computer's audio output.

Note: USB-B to USB-A cables and video cables are typically not included with the KVM switch and must be purchased separately.

4. **Connect Power Adapter:** Plug the provided power adapter into the KVM switch's power input and then into a wall outlet.

5. **Power On Devices:** First, power on the KVM switch, then your monitors, and finally each connected computer.

Figure 3.1: Front view of the Black Box Freedom II 8-Port KVM Switch, showing the power button, computer selection buttons, and status indicators.

Figure 3.2: Rear view of the Black Box Freedom II 8-Port KVM Switch, illustrating the console ports (USB, audio, video) and the eight computer connection ports (USB, audio, video, and optional network/options port).

4. OPERATING INSTRUCTIONS

The Freedom II KVM Switch offers intuitive methods for switching between connected computers:

4.1. Glide-and-Switch (Mouse Switching)

The primary method for switching is by moving your mouse cursor. Once the KVM software is installed on your connected computers, simply move your mouse cursor to the edge of one monitor and continue moving it in the same direction. The cursor will seamlessly appear on the adjacent monitor, and control will automatically switch to that computer.

4.2. Front Panel Buttons

Use the "Computer" buttons on the front panel of the KVM switch to manually select the desired computer. Pressing the button corresponding to a computer port will switch control to that system.

4.3. Hotkey Switching

The KVM switch supports hotkey commands for quick switching. Refer to the detailed software manual (available from Black Box support) for a complete list of hotkey combinations and customization options.

5. MAINTENANCE

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

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the KVM switch. Avoid using liquid cleaners or abrasive materials.
- **Ventilation:** Ensure the KVM switch is placed in a well-ventilated area to prevent overheating. Do not block any ventilation openings.
- **Cable Management:** Keep cables organized and free from kinks or excessive tension to prevent damage to connectors and ports.
- **Firmware Updates:** Periodically check the Black Box website for any available firmware updates for your model.

6. TROUBLESHOOTING

If you encounter issues with your KVM switch, try the following troubleshooting steps:

- **No Display on Monitor:**
    - Verify all video cables are securely connected between the KVM, monitors, and computers.
    - Ensure the KVM switch and all connected computers are powered on.
    - Try connecting the monitor directly to the computer to rule out monitor or computer issues.

- **Keyboard/Mouse Not Responding:**
    - Check that the USB keyboard and mouse are firmly plugged into the KVM's console ports.
    - Ensure the USB-B to USB-A cables are correctly connected from the KVM to each computer.
    - Try a different USB port on the KVM or computer.
    - Reboot the KVM switch and the affected computer.

- **Switching Issues:**
    - Confirm that the KVM software is installed and running on all connected computers for glide-and-switch functionality.
    - Ensure no other KVM software or hotkey utilities are conflicting.
    - Try switching using the front panel buttons to isolate the issue.

- **Power Issues:**
    - Verify the power adapter is securely connected to the KVM and a working power outlet.
    - Check if the power LED on the KVM switch is illuminated.

7. SPECIFICATIONS

Feature	Detail
Brand	Black Box
Model	KV0008A-R2
Circuit Type	8-way
Number of Positions	8
Control Method	Touch, Glide-and-Switch
Switch Type	Solid-state
Operation Mode	ON-OFF
Operating Voltage	12 Volts (DC)
Current Rating	4.7 Nanoamps
Computer Connection Ports	USB-B (for data), Video (type varies by model)
Console USB Ports	USB 2.0, USB 3.0 (Switched)
Material	Copper (internal components)
Mounting Type	Rack Mount
Item Dimensions (L x W x H)	23.5 x 5.25 x 14.25 inches (59.69 x 13.34 x 36.20 cm)
Item Weight	1.8 Kilograms (approx. 4 lbs)

Feature	Detail
Country of Origin	China
International Protection Rating	IP54

8. WARRANTY AND SUPPORT

The Black Box Freedom II 8-Port KVM Switch comes with a **Limited Warranty**. For detailed warranty terms and conditions, please refer to the documentation included with your product or visit the official Black Box website.

For technical support, troubleshooting assistance, or to inquire about additional accessories and software, please contact Black Box customer service or visit their support portal. Contact information can typically be found on the Black Box website or in your product packaging.