

Digitus DS-12870

Digitus DS-12870 2-Port HDMI KVM Switch User Manual

Model: DS-12870 | Brand: Digitus

1. INTRODUCTION

The DIGITUS DS-12870 2-Port KVM Switch allows you to control two 4K-enabled personal computers (PCs) using a single USB keyboard, mouse, and HDMI monitor. This device simplifies your workspace by eliminating the need for multiple peripherals, enabling seamless switching between connected computers with the press of a button or a hotkey command. It also integrates audio switching for microphone and speaker connections and provides an additional front USB port for sharing peripherals like USB drives or external hard drives between the two PCs. The robust metal housing ensures durability, and status LEDs provide clear indication of the active computer.

2. SAFETY INFORMATION

- Read all instructions carefully before operating the device.
- Do not expose the device to moisture, extreme temperatures, or direct sunlight.
- Ensure proper ventilation around the KVM switch to prevent overheating.
- Use only the recommended power supply (optional 9V/DC) if not powered via USB.
- Do not attempt to disassemble or repair the device yourself. Refer all servicing to qualified personnel.
- Keep the device away from strong electromagnetic fields.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x KVM switch, 2 port, single display, 4K, HDMI
- 2 x KVM cables (HDMI, USB, Audio)
- 1 x Quick Installation Guide (QIG)
- 1 x Driver CD (for specific functionalities if required)



Image: Contents of the Digitus DS-12870 KVM Switch package, showing the switch, two KVM cables, and a driver CD.

4. PRODUCT OVERVIEW

Familiarize yourself with the components and ports of your Digitus DS-12870 KVM Switch.

4.1 Front Panel



Image: Front panel of the KVM switch, highlighting the USB 2.0 port, power indicator, and PC selection buttons.

- **Power Indicator (LED):** Illuminates when the device is powered on.
- **USB 2.0 Port (Type-A):** For connecting shared USB peripherals such as USB drives, printers, or webcams.
- **PC Selection Buttons (1 & 2):** Press to manually switch between connected computers.
- **Status LEDs (1 & 2):** Indicate which PC is currently active.
- **RST (Reset) Button:** Used for resetting the device if needed.

4.2 Rear Panel

DS-12870 // KVM Switch, 2-Port, Single Display, 4K, HDMI

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Anschlüsse & LEDs Connections & LEDs

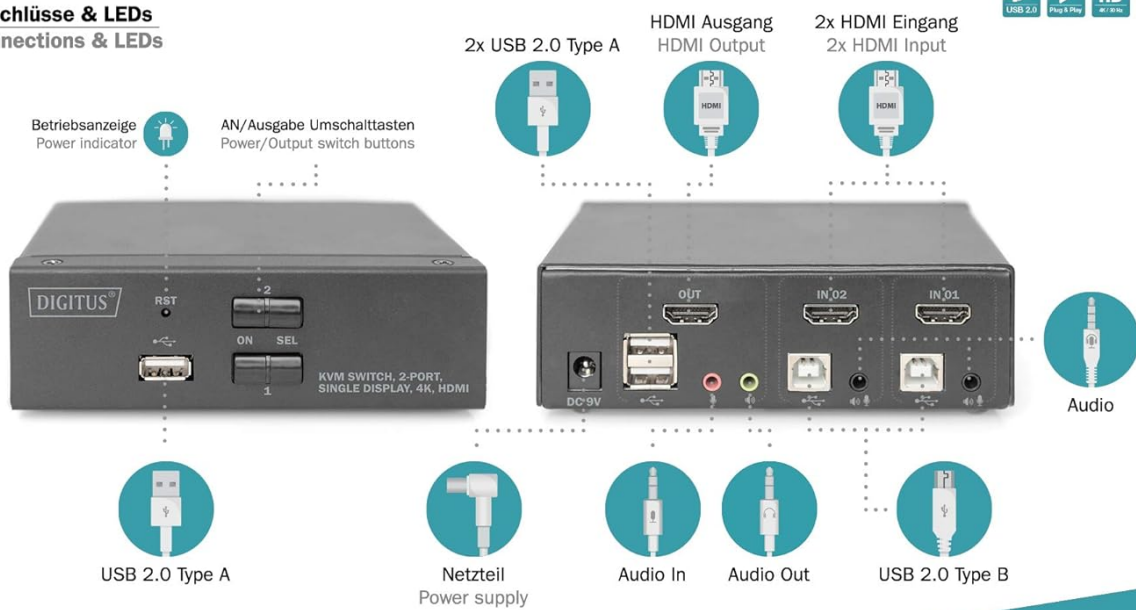


Image: Rear panel of the KVM switch, detailing the HDMI input/output, USB Type-B ports, audio jacks, and DC 9V power input.

- **DC 9V Power Input:** Optional power input for external power adapter (not included, but can be used for stable power).
- **USB 2.0 Ports (Type-A, OUT):** For connecting your shared USB keyboard and mouse.
- **HDMI Output (OUT):** Connects to your monitor.
- **Audio Out (Green):** Connects to your speakers or headphones.
- **Audio In (Pink):** Connects to your microphone.
- **HDMI Inputs (IN 01, IN 02):** Connects to the HDMI output of your PCs.
- **USB 2.0 Ports (Type-B, IN 01, IN 02):** Connects to the USB ports of your PCs for KVM functionality.

5. SETUP

Follow these steps to set up your Digitus DS-12870 KVM Switch:

Anschlüsse Connections

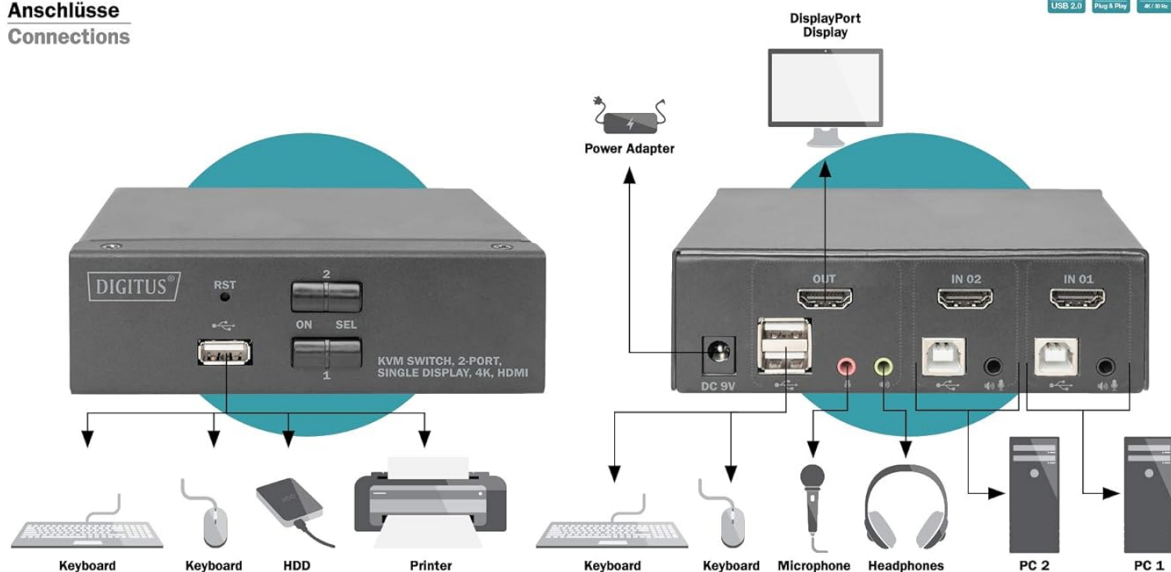


Image: A comprehensive connection diagram illustrating how to connect two PCs, a monitor, keyboard, mouse, microphone, and headphones to the KVM switch.

1. **Power Off Devices:** Ensure all computers and the monitor are powered off before making any connections.
2. **Connect Monitor:** Connect your HDMI monitor to the HDMI Output (OUT) port on the rear panel of the KVM switch.
3. **Connect Keyboard and Mouse:** Connect your USB keyboard and mouse to the dedicated USB 2.0 Type-A ports (OUT) on the rear panel of the KVM switch.
4. **Connect Audio Devices:** If desired, connect your speakers/headphones to the Audio Out (green) port and your microphone to the Audio In (pink) port on the rear panel.
5. **Connect PCs:** For each computer (PC 1 and PC 2):
 - Connect an HDMI cable from the PC's HDMI output to an HDMI Input (IN 01 or IN 02) on the KVM switch.
 - Connect the USB Type-B end of the KVM cable to the corresponding USB 2.0 Type-B port (IN 01 or IN 02) on the KVM switch, and the USB Type-A end to a USB port on your PC.
 - Connect the audio cables (if using) from your PC's audio output/input to the corresponding audio jacks on the KVM cable, then to the KVM switch.
6. **Optional Power:** If stable power is required or USB power from PCs is insufficient, connect an optional 9V/DC power adapter (not included) to the DC 9V port.
7. **Power On:** Power on the KVM switch (if using external power), then power on your monitor, and finally power on your connected PCs. The KVM switch will automatically select the first active PC.

6. OPERATING INSTRUCTIONS

6.1 Switching Between Computers

You can switch between the connected computers using two methods:

- **Front Panel Buttons:** Press the corresponding PC selection button (1 or 2) on the front panel of the KVM switch to switch to the desired computer. The active PC's LED will illuminate.

- **Hotkey Commands:** Use keyboard hotkeys for quick switching. The default hotkey sequence is typically **Scroll Lock + Scroll Lock + 1** (for PC 1) or **Scroll Lock + Scroll Lock + 2** (for PC 2). Refer to the Quick Installation Guide for any alternative or advanced hotkey commands.

6.2 USB Peripheral Sharing

The USB 2.0 port on the front panel allows you to connect and share additional USB peripherals (e.g., USB flash drives, external hard drives, webcams) between the two connected PCs. The connected peripheral will automatically be assigned to the currently active PC.

7. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	DS-12870
Product Dimensions	7.28 x 8.86 x 3.66 inches
Weight	1.03 Pounds
Supported Resolution	Up to 3840 x 2160 pixels @ 30Hz (4K Ultra HD)
Audio Support	Dolby True HD, DTS HD Master Audio
USB Standard	USB 2.0
Subsampling	YUV 4:4:4
Housing Material	Metal
Operation Mode	ON-OFF
Connector Type	HDMI, USB 2.0, USB-A, USB-B, 3.5mm Audio Jacks
Power Supply	USB powered (optional 9V/DC external power)

8. TROUBLESHOOTING

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

Problem	Possible Cause / Solution
No display on monitor	• Ensure all HDMI cables are securely connected to both the KVM switch and the PCs/monitor. • Verify the monitor is powered on and set to the correct input source. • Try switching to the other PC input to confirm the KVM switch is functioning. • Check if the resolution and refresh rate of your PCs are supported by the KVM switch (max 4K@30Hz). • If using an optional power adapter, ensure it is connected and providing power.

Problem	Possible Cause / Solution
Keyboard/Mouse not responding	• Ensure the USB cables from the KVM switch to the PCs are securely connected. • Try connecting the keyboard/mouse directly to the PC to confirm they are working. • Some advanced keyboard/mouse features (e.g., custom macros, extra buttons) may not be fully supported through KVM hotkeys. Try using standard USB ports on the KVM switch if available. • Check PC power management settings for USB ports (e.g., disable USB selective suspend).
USB peripherals (front port) not working	• Ensure the peripheral is properly connected to the front USB 2.0 port. • Verify the KVM switch has sufficient power. An optional 9V/DC power adapter may be needed for high-power USB devices. • Confirm the peripheral is compatible with USB 2.0.
No audio or distorted audio	• Check all 3.5mm audio cables are securely connected to the KVM switch and your audio devices/PCs. • Ensure the correct audio output/input device is selected in your PC's sound settings. • Verify volume levels on both your PC and audio devices.
KVM switch not responding or freezing	• Press the RST (Reset) button on the front panel. • Disconnect and reconnect the USB cables from the PCs to the KVM switch. • Ensure stable power supply. If issues persist, consider using an optional 9V/DC power adapter.
Beeping sound upon switching	• This is often a normal operational sound indicating a successful switch. • Consult the Quick Installation Guide for information on disabling beeping, if such a feature exists for this model.

9. MAINTENANCE

To ensure the longevity and optimal performance of your Digitus DS-12870 KVM Switch, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or aerosol sprays, as they may damage the unit.
- **Ventilation:** Ensure that the KVM switch is placed in a well-ventilated area to prevent heat buildup. Do not block any ventilation openings.
- **Storage:** If storing the device for an extended period, disconnect all cables and store it in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Management:** Keep cables organized and untangled to prevent damage to the ports or cables themselves.

10. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your Digitus DS-12870 KVM Switch, please refer to the warranty card included with your product or visit the official Digitus website. You can typically find detailed support resources, FAQs, and contact information for customer service there.

Please retain your proof of purchase for warranty claims.

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Related Documents - DS-12870

 DIGITUS HDMI KVM Extender over IP Manual DS-55202 Rev. 2 Important Safety Instructions 1. Do not use the product if the power cord or plug is damaged. 2. Do not use the product if the product is not properly grounded. 3. Do not use the product if the product is not properly grounded. 4. Do not use the product if the product is not properly grounded. 5. Do not use the product if the product is not properly grounded.	DIGITUS DS-55202 HDMI KVM Extender over IP User Manual and Specifications Comprehensive guide for the DIGITUS DS-55202 HDMI KVM Extender over IP, covering features, installation, connection diagrams, troubleshooting, and technical specifications. Extend HDMI and USB signals up to 120 meters.
 DIGITUS KVM SWITCH, 2 PORT, DUAL DISPLAY, 4K, HDMI User Manual DS-12860	DIGITUS DS-12860 KVM Switch User Manual - 2 Port, Dual Display, 4K HDMI User manual for the DIGITUS DS-12860 KVM Switch. Learn about its features, installation, operation, and specifications for 2-port, dual display, 4K HDMI connectivity.
 DIGITUS HDMI® HDBaseT™ 2.0 KVM EXTENDER SET, 100 m Manual DS-55505	DIGITUS HDMI HDBaseT 2.0 KVM Extender Set, 100m - User Manual DS-55505 User manual for the DIGITUS HDMI HDBaseT 2.0 KVM Extender Set (DS-55505). This guide details how to extend HDMI, KVM, and USB signals up to 100 meters over a single CAT cable, covering ports, features, specifications, and connection diagrams.
 DIGITUS Wireless HDMI Extender / Splitter Set (100 m, 1x4) Quick Installation Guide DS-55346	DIGITUS Wireless HDMI Extender / Splitter Set (100 m, 1x4) Quick Installation Guide Quick installation guide for the DIGITUS Wireless HDMI Extender/Splitter Set (DS-55346). Learn about its features, package contents, technical specifications, connection diagram, step-by-step setup for up to 4 receivers, and troubleshooting tips for wireless HDMI extension up to 100 meters.
 DIGITUS Set di estensione HDMI IP, 4K/60Hz Guida all'installazione DS-55351, DS-55352	DIGITUS DS-55351/DS-55352: Guida all'installazione HDMI IP Extender 4K/60Hz Guida all'installazione per il set di estensione HDMI IP DIGITUS DS-55351 e DS-55352. Scopri le caratteristiche, i parametri tecnici e le procedure di installazione per la trasmissione HDMI 4K/60Hz su reti IP.

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