

Operating Instructions

4x1 HDMI KVM switch with USB

Item no. 1000168

Intended use

The product allows the user to control up to four computers, games consoles, Blu-ray players, etc. using just one USB mouse, one USB keyboard and one HDMI monitor. The product also features an additional USB port with overcurrent detection/protection that can be used to connect an additional USB peripheral device. The product also features a headphone output and a microphone input. Power is supplied via the included power adapter.

It is intended for indoor use only. Do not use it outdoors. Contact with moisture, e.g. in bathrooms, must be avoided under all circumstances.

For safety and approval purposes, you must not rebuild and/or modify this product. If you use the product for purposes other than those described above, the product may be damaged. In addition, improper use can cause hazards such as short circuiting, fire, electric shock etc. Read the instructions carefully and keep them. Make this product available to third parties only together with its operating instructions.

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Delivery content

- HDMI KVM switch
- Power adapter
- 4 x cable (HDMI-A & USB-A to HDMI-A & USB-B)
- Operating instructions



Up-to-date Operating Instructions

Download the latest operating instructions at www.conrad.com/downloads or scan the QR code above. Follow the instructions on the website.

Explanation of symbols



The symbol with the lightning in the triangle is used if there is a risk to your health, e.g. due to an electric shock.



The symbol with an exclamation mark in a triangle indicates important instructions contained in these operating instructions that must be followed.



The arrow symbol alerts the user to the presence of important tips and notes on using the device.

Safety instructions



Read the operating instructions carefully and especially observe the safety information. If you do not follow the safety instructions and information on proper handling in this manual, we assume no liability for any resulting personal injury or damage to property. Such cases will invalidate the warranty/guarantee.

a) Persons / Product

- The mains outlet must be located near to the device and be easily accessible.
- As power supply, only use the supplied mains adapter.
- Only connect the power adapter to a normal mains socket connected to the public supply. Before plugging in the power adapter, check whether the voltage stated on the power adapter complies with the voltage of your electricity supplier.
- Never connect or disconnect power adapters if your hands are wet.
- Never unplug the power adapter from the mains socket by pulling on the cable; always use the grips on the plug.
- When setting up the product, make sure that the cable is not pinched, kinked or damaged by sharp edges.
- Always lay the cables so that nobody can trip over or become entangled in them. This poses a risk of injury.
- For safety reasons, disconnect the power adapter from the mains socket during storms.
- If the power adapter is visibly damaged, do not touch it. Risk of fatal injury due to electric shock! First turn off the power supply to the power outlet that the power adapter is connected to (flip off the fuse and then turn off the residual current operated circuit breaker to disconnect the power outlet at all phases). Now unplug the device from the power outlet. Dispose of the power adapter in an environmentally friendly fashion, discontinue use of it immediately. Replace it with an identical power adapter.



- Never use the product immediately after it has been brought from a cold room into a warm one. The condensation generated could destroy the product. The plug-in power supply unit also involves danger to life by electric shock! Allow the device to reach room temperature before connecting and using it. This may take several hours.
- Never pour liquids over electric devices and never place liquid-filled objects near the device. If liquid or an object enters the interior of the device nevertheless, first power down the respective socket (e.g. switch off circuit breaker) and then pull the mains plug from the mains socket. Do not operate the product anymore afterwards, but take it to a specialist workshop.
- The device is not a toy. Keep it out of the reach of children and pets.
- Do not leave packaging material lying around carelessly. These may become dangerous playing material for children.
- Protect the product from extreme temperatures, direct sunlight, strong jolts, high humidity, moisture, flammable gases, vapours and solvents.
- Do not place the product under any mechanical stress.
- If it is no longer possible to operate the product safely, take it out of operation and protect it from any accidental use. Safe operation can no longer be guaranteed if the product
 - is visibly damaged,
 - is no longer working properly,
 - has been stored for extended periods in poor ambient conditions or
 - has been subjected to any serious transport-related stresses.
- Please handle the product carefully. Jolts, impacts or a fall even from a low height can damage the product.
- Also observe the safety and operating instructions of any other devices which are connected to the product.

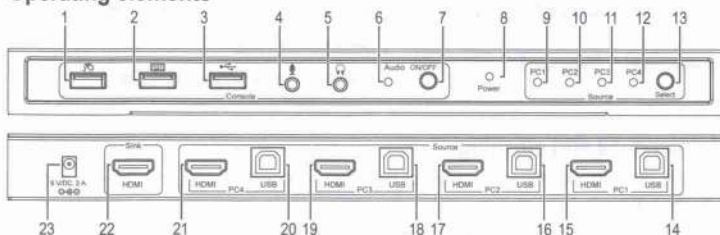
b) (Rechargeable) batteries

- Correct polarity must be observed while inserting the (rechargeable) battery.
- The (rechargeable) battery should be removed from the device if it is not used for a long period of time to avoid damage through leaking. Leaking or damaged (rechargeable) batteries might cause acid burns when in contact with skin. Therefore use suitable protective gloves to handle corrupted (rechargeable) batteries.
- (Rechargeable) batteries must be kept out of reach of children. Do not leave (rechargeable) batteries lying around, as there is risk, that children or pets swallow them.
- (Rechargeable) batteries must not be dismantled, short-circuited or thrown into fire. Never recharge non-rechargeable batteries. There is a risk of explosion!

c) Miscellaneous

- Consult an expert when in doubt about operation, safety or connection of the device.
- Maintenance, modifications and repairs are to be performed exclusively by an expert or at a qualified shop.
- If you have questions which remain unanswered by these operating instructions, contact our technical support service or other technical personnel.

Operating elements



- | | |
|------------------------------|---------------------------------|
| 1 USB mouse port | 13 Select key |
| 2 USB keyboard port | 14 USB input PC1 |
| 3 USB peripheral device port | 15 HDMI input PC1 |
| 4 Microphone input | 16 USB input PC2 |
| 5 Headphone output | 17 HDMI input PC2 |
| 6 Audio LED | 18 USB input PC3 |
| 7 Audio ON/OFF key | 19 HDMI input PC3 |
| 8 LED Power | 20 USB input PC4 |
| 9 Status LED PC1 | 21 HDMI input PC4 |
| 10 Status LED PC2 | 22 HDMI output Sink |
| 11 Status LED PC3 | 23 Power connection 5 V/DC, 2 A |
| 12 Status LED PC4 | |

Connection and operation

- Turn off all devices to be connected and disconnect their mains plug from the wall socket.
- Connect the HDMI cable on your monitor to the HDMI output **Sink (22)**.

→ Use a suitable HDMI cable not exceeding 5 m in length. Cables of greater length can cause signal disturbances or no signal will be transmitted at all.

When choosing a cable, please note that there are different types of HDMI cables. In case of doubt, consult a professional for further information.

- Connect a USB mouse to the USB mouse port **(1)**.
- Connect a USB keyboard to the USB keyboard port **(2)**.
- If required you can connect a microphone to the microphone input **(4)**.
- If required you can connect headphones to the headphone output **(5)**.
- Connect the first device (e.g. computer, games console, Blu-ray player, etc.) to the USB input **PC1 (14)** and the HDMI input **PC1 (15)** using one of the provided cables. Both ports on the product as well as on the external device must be used.
- If required you can connect additional devices to the USB/HDMI inputs **PC2 (16, 17)**, **PC3 (18, 19)** and **PC4 (20, 21)**.
- If required you can connect a USB peripheral device to the USB peripheral device port **(3)**.
- Connect the hollow plug from the power adapter to the power connection **5 V/DC, 2 A (23)**.
- Connect the power adapter to a wall socket.
- Connect the first device to the power supply and turn it on. Wait until the device is operational. Make sure that the keyboard and the mouse function properly. If they do not, turn off all devices and repeat the steps for connection above.
- After you successfully connect the first device, push the **Select** key **(13)** and turn on the second device. Wait until the device is operational and verify that the keyboard and mouse function properly.
- Repeat these steps to turn on the additional devices.
- You can switch between connected devices during use one of two ways:
 - Push the **Select** key on the product.One of the blue status LEDs **(9, 10, 11, 12)** shows which channel (**PC1 to PC4**) is active.
- Push the **Audio ON/OFF** key **(7)** to activate/deactivate the microphone input and headphone output. The corresponding green audio LED **(6)** lights up when both jacks are activated.

Keyboard shortcut

For your convenience, the product supports keyboard shortcuts for certain functions. Below table lists available shortcuts and their corresponding functions.

Key sequence	Function
Caps Lock + Caps Lock + 1	Switch to PC1
Caps Lock + Caps Lock + 2	Switch to PC2
Caps Lock + Caps Lock + 3	Switch to PC3
Caps Lock + Caps Lock + 4	Switch to PC4
Caps Lock + Caps Lock + → or ↓	Switch to next PC
Caps Lock + Caps Lock + ← or ↑	Switch to previous PC
Caps Lock + Caps Lock + S	Auto-scan mode every 10 seconds
Caps Lock + Caps Lock + S + n	Set auto-scan rate. Switch to regular mode with Esc .

Maintenance and cleaning

- Before cleaning, disconnect the product from the connected devices and unplug it from the power outlet.
- There are no components located inside the product you need to maintain. Never open/dismantle the product.
- Do not use any aggressive cleaning agents, rubbing alcohol or other chemical solutions as they can cause damage to the housing and malfunctioning.
- To clean the product, a dry, soft and clean cloth is sufficient. Do not apply too much pressure to the housing as this may cause scratch marks.
- You can easily remove dust using a long-haired, soft and clean brush.

Disposal

a) Product



Electronic devices are recyclable waste and must not be disposed of in the household waste. At the end of its service life, dispose of the product according to the relevant statutory regulations.

Remove any inserted (rechargeable) batteries and dispose of them separately from the product.

b) (Rechargeable) batteries



You as the end user are required by law (Battery Ordinance) to return all used batteries/rechargeable batteries. Disposing of them in the household waste is prohibited.

Contaminated (rechargeable) batteries are labelled with this symbol to indicate that disposal in the domestic waste is forbidden. The designations for the heavy metals involved are: Cd = Cadmium, Hg = Mercury, Pb = Lead (name on (rechargeable) batteries, e.g. below the trash icon on the left).

Used (rechargeable) batteries can be returned to collection points in your municipality, our stores or wherever (rechargeable) batteries are sold.

You thus fulfil your statutory obligations and contribute to the protection of the environment.

Technical data

a) HDMI KVM switch

Inputs.....	3 x USB-A
	4 x HDMI-A & USB-B
	1 x 3.5 mm jack socket (microphone)
Outputs.....	1 x HDMI-A
	1 x 3.5 mm jack socket (headphones)
System requirements.....	Windows® 98SE, ME, 2000
	XP (Home, Pro, with SP1, SP2, SP3, only 32 bit)
	Vista™ (32/64 bit), 7 (32/64 bit), 8, 8 Pro, Enterprise
	Mac OS X 10.8
	Linux Kernel 2.6.x
Resolution.....	480p, 720i, 720p, 1080i, 1080p
	UXGA 1920 x 1200
USB standard.....	2.0
Compatibility.....	HDMI, HDCP
Operating conditions.....	0 to +40 °C, 20 – 90 % RH (non-condensing)
Storage conditions.....	-20 to +60 °C, 20 – 90 % RH (non-condensing)
Cable length.....	1.7 m each (USB-A: 30 cm, USB-B: 10 cm)
Dimensions (W x H x D).....	270 x 32 x 111 mm
Weight.....	770 g
b) Power adapter	
Input voltage / current.....	100 – 240 V/AC, 50/60 Hz, max. 0.5 A
Output voltage / current.....	5 V/DC, 2 A