

User's Manual

4x2 Matrix Switch



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Thank you for purchasing the 4x2 Matrix Switch from KanaaN.

We hold several brands to produce and distribute our products: **LEICKE (power adapters, batteries)**, KanaaN (**adapters/converters, charging cables etc.**), Sharon (**iPad cases with keyboard, fans etc.**), Hebron (**protective cases, docking stations, screen protectors etc.**), Manna (notebook cases).

We continuously work on the further development of our products, our customer support and innovations. Our products have a long service life, are eco-friendly and high performing. Furthermore, every day we do our very best to satisfy you as our customer. That is why you, no matter if private or business customer, are in the focus of our company's efforts. We take your reviews and proposals seriously and evaluate them continuously. That way, we get to know you and your demands on our products and services better and thus allow for positive enhancements.

To discover more about LEICKE products, or if you have any questions about this product, visit our website www.leicke.com (production & wholesale) or www.leicke-distributor.de (distribution) and feel free to contact us.

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Dear customer,

This 4x2 HDMI Matrix Switch from our brand KanaaN is specially designed for either home or professional application. It enables you to connect multiple HDMI devices to two display devices without having to change any cables for usage. The included remote control enables you to switch easily. This converter is small in size and quite easy to install.

For optimum performance, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for further reference.

Your LEICKE Team!

PACKAGE CONTENTS

Before attempting to use this device, please check the packaging and make sure the following items are contained in the package:

Name	Number of Pieces	Note
HDMI 4x2 Matrix Switch	1	-
5V/2A power supply	1	plug type dependent on target country
Remote control	1	-
User's Manual	1	-

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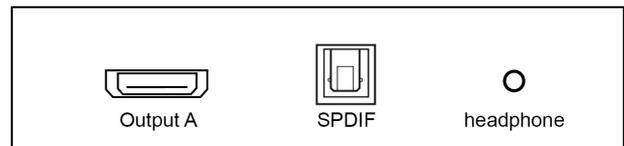
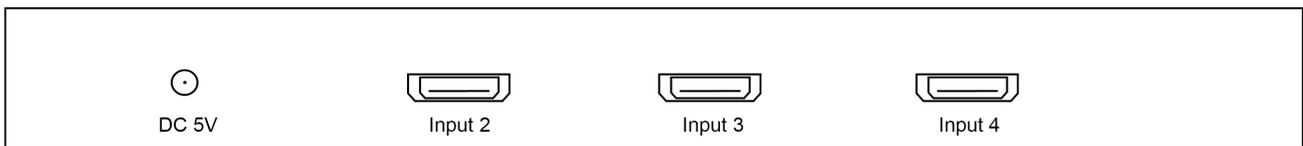
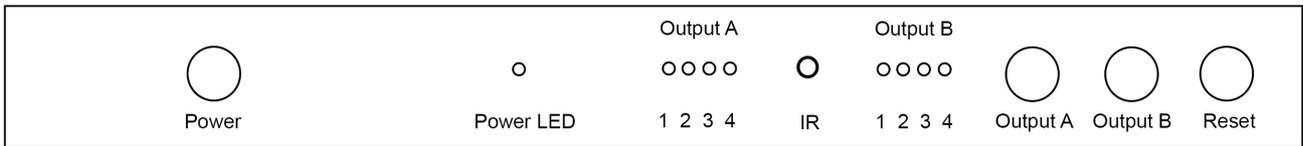
TECHNICAL DETAILS

Signal Input/Output	
Input	HDMI 1.3b, HDCP 1.2, 3D-capable (24 Hz) 480i/480p/576i/576p/720p/1080i/1080p @24/50/60fps, 225Mhz, 6.75Gbps
Output	HDMI 1.3b, HDCP 1.2, 3D-capable (24 Hz) 480i/480p/576i/576p/720p/1080i/1080p @24/50/60fps, 225Mhz, 6.75Gbps, 3D, Audio (S/PDIF) optical, analogue
Connectors	
Input connector	4x HDMI type A
Output connector	2x HDMI type A, Toslink, 3.5 mm stereo jack
Bit Rate	24 bit, 30/36 Bit Deep Color
Size and Weight	
Size (L x W x H)	134 x 90 x 25 mm
Weight (net)	340 g
Environmental Specifications	
Operating Temperature	-15°C~55°C
Operating Humidity	5% to 90% RH (no condensation)
Storage Temperature	-15°C~60°C
Storage Humidity	5% to 90% RH (no condensation)
Power Requirements	
External Power Supply	5 V, 2 A
Power Consumption	Max. 5 W
Regulatory Approvals	
Converter Unit	CE, FCC, RoHS
Power Adapter	CE, FCC, CCC

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PANEL DESCRIPTION

Please study the panel drawings below and become familiar with the signal input(s), output(s) and power connector.



CONNECTION DIAGRAM



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CONNECTION AND OPERATION

ATTENTION: To avoid damages to the video system by inrush current, please switch the amplifier/TV off before installing the Matrix Switch!

- Step 1:** Please connect the source devices (DVD player etc.) with the interfaces 1-4 of the Switch.
- Step 2:** Now connect the display devices (e.g. beamer or LCD TV) to the two output interfaces. Please keep in mind, that the audio interfaces at the back of the Matrix Switch are connected in parallel to output A. If for example an installation with an additional amplifier is wanted, it would be best to connect this to output A. The audio signal will then be put out parallel with the HDMI signal.
- Step 3:** Now your sound system can be switched on again, at best in the following order: source device - Matrix Switch - display device.
- Step 4:** When everything is switched on, please choose the source device of your choice with the included remote control (remove battery protection film!) or with the keys "A" and "B" at the front of the switch. If a connection was correctly installed, the Switch will show this with its LED.

Notes:

- *Please keep in mind, that the Switch will always choose the first input when switched on. Therefore, choose a good order for the connection of your HDMI sources.*
- *The audio button at the remote control switches between the analogue audio output and the optical S/PDIF output for digital audio. To switch the Matrix Switch will automatically restart.*

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FAQ

In general, in case of technical troubles check the electrical signal connections and the power supply (LED at converter glows) first. If this turns out to be not helpful, we arranged the following questions and answers for you to find the cause and solve the problem.

Problem Description	Possible Cause/Possible Solution
The 4x2 Matrix Switch cannot be switched on	<ul style="list-style-type: none">• Is the power supply properly connected?
No picture and no audio are displayed	<ul style="list-style-type: none">• Is the source device switched on?• Is the switch set on the right input interface?• Is the display device set on the right input interface?*• Is the right output interface selected?• Are the cables too long (max. 15 m input, max. 25 m output) or of bad quality?
The picture is interrupted every 3 seconds	<ul style="list-style-type: none">• This can happen, if one output is not used and both channels A and B are set on the same input. Please switch the unused output to another input.
The picture is erroneous, the sound is disturbed	<ul style="list-style-type: none">• Please check if the cables are connected properly and are not too long and of good quality.
No audio	<ul style="list-style-type: none">• Is the correct audio standard selected? Choose the button named "Audio", the Switch will now reset. Now choose the right input.

** Please read the corresponding instructions in the manual of the producer or in the Windows user assistance.*

If the problems cannot be solved, please don't hesitate to contact us. Our customer's support will be glad to help you under info@leicke-distributor.de.

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SAFETY NOTES

For your own safety and for long enjoyment of our product, please follow the following safety instructions:

- Please use device as described in the manual.
- To avoid damages to the video system by inrush current, please switch the amplifier/TV off before installing the Matrix Switch. Non-compliance may cause damages to TV, amplifier system and your hearing! The amplifier is to be switched on last, after signal source and 4x2 Matrix Switch are already switched on.
- During operation the Matrix Switch may become very warm. Therefore, it is necessary that the splitter is not covered and stands alone.
- If the 4x2 Matrix Switch does not work normally, please disconnect the power adapter from the circuit and try to find the cause.
- Use original factory power adapter. Do not attempt to use the Matrix Switch with other power adapters. Despite of matching plug connectors it may still damage the converter, the signal source and the sound system!
Warning: Power adapters with a higher voltage may damage the 4x2 Matrix Switch.
- Turn off power when device is not in use for a longer time.
- Do not pull on power cord when taking off the wall socket.
- Do not open cover and do not touch inner parts.
- Please keep power adapter and Matrix Switch dry and just use in dry environment.
- Keep away from damp, high temperature, dusty, erosive and oxidative environment.
- Do not touch with wet hands.
- Keep safe from being hit or falling down.

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CONTACT

If you have any questions, please feel free to contact us.

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Declaration of Conformity with regard to the EU directives 2014/35/EU, 2014/30/EU and 2011/65/EG. See also at www.leicke.com

