

# User's Manual

## HDMI 4K\*2K Splitter 1x4



Product number: KN40547

## Thank you for purchasing the HDMI splitter 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 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](http://www.leicke.com).

Dear customer,

with our devices we offer solutions for audio, space or security problems, data control, information distribution, conference presentations and school or company environment.

The 1x4 HDMI 4K\*2K Splitter distributes the source signal to different displays. For example, you can connect a LCD TV and a beamer to a HDMI device. The splitter may also be used as regenerator or amplifier for the use of long HDMI cables.

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:

Number of Pieces	Name	Note
1	HDMI Splitter	-
1	Power Adapter	DC 5V/2A
1	User's Manual	-

## TECHNICAL DETAILS

Maximum cable length input/output	≤ 15m/25m ( HDMI AWG26 )
HDMI resolution	4k*2k / 1080p /1080i /720p / 576p / 576i / 480p / 480i @24/25/60 Hz
HDMI version	HDMI version 1.4
Colour depth	24/30/36/48 bit
Band width	up to 340MHz
Supported audio formats	DTS-HD/Dolby-TrueHD/LPCM 7.1/DTS/Dolby-AC3/DSD-HD (HBR)
Input video signal (TDMS)	0.5~1.5V p-p
Input DDC signal	5V p-p (TTL)
EDID duration	4 seconds

## CONNECTION AND OPERATION

Step 1: Connect the output of the HDMI device to the splitter.

Step 2: Connect the cables of every displaying device to the HDMI outputs of the splitter. For a perfect transmission via cables which are longer than 10m, please use high quality cables only.

Step 3: Connect the 5V power supply to the HDMI 1x4 splitter

Step 4: As soon as the input signal is received, the "input" LED will glow. If something doesn't work right, please check the cables and the output adjustments of the source device. The same goes for the output. A functioning HDMI connection will be signalised through the LEDs "L1" or "L2".

*Note: For the protection of the switch and other devices, please make sure, that the switch is switched off before connecting the other devices. Please don't pull or push at the HDMI connections.*

## Connections and Keys

Figure 1: Back Panel

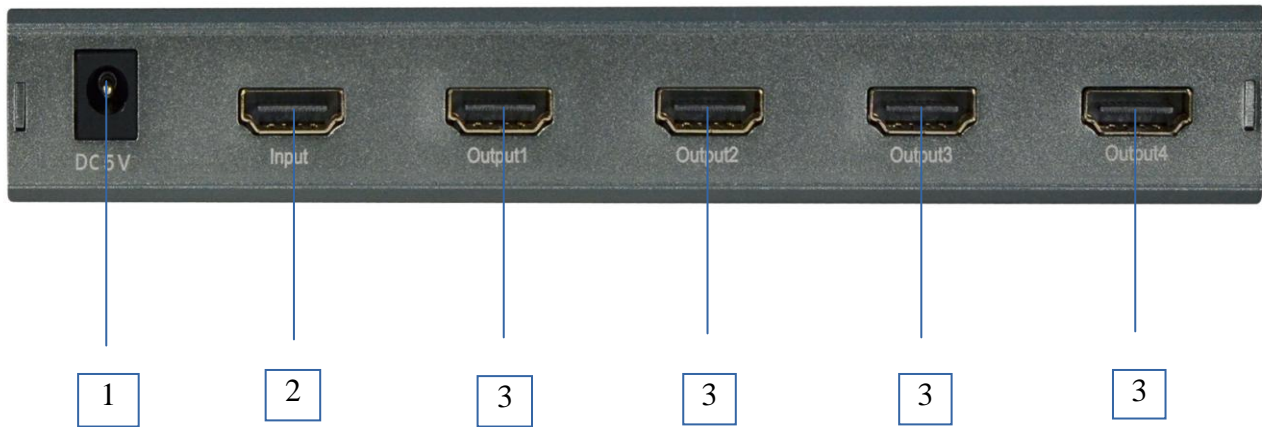
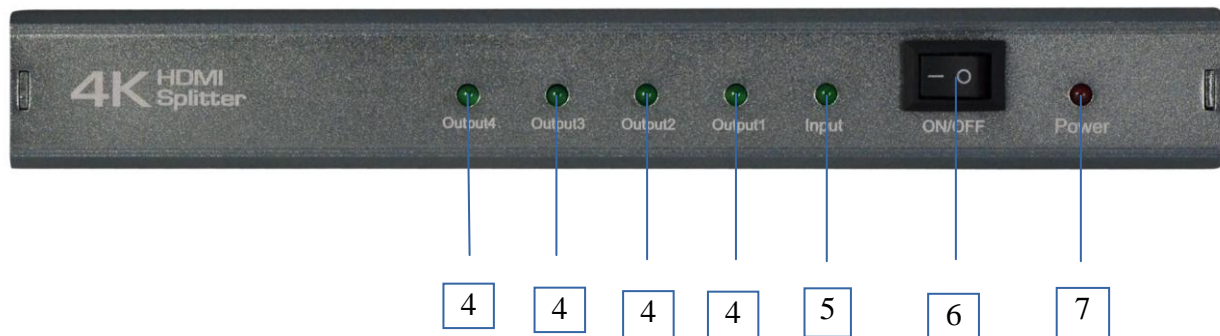


Figure 2: Front Panel



1. Input power supply
2. HDMI input (source)
3. HDMI output
4. LED HDMI output active (connection ok)
5. LED input active (HDMI signal ok)
6. On/Off switch
7. LED power supply

## TROUBLE SHOOTING

Please check the connection carefully before turning on the device. Please check, if all cables are correctly connected. The LEDs will help you to localise any cable problems as fast as possible.

Problem Description	Possible Cause/Possible Solution
The splitter seems not to be working.	Check if the power supply is defective or not correctly connected. If everything is all right, the respective LED should glow. Please check, if all the cables are connected properly and are not defective. Also check that the cable is not longer than the length supported by the splitter. If the connection works fine, the splitter will show this through the glowing LEDs.
If the maximum resolution of two displays differs, which resolution will be shown?	In this case the lower resolution will be shown.
Image is disrupted	Check the connection of the HDMI cable. Please make sure, that cable quality and length are according to the requirements. Optionally reduce resolution with very long cables. Disconnect cable and connect again.
Image is received but cannot be shown.	Please make sure that resolution, colour depth and refresh rate of source and display equipment match. The HDMI versions of all devices must be compatible with the splitter.
Image interruption when new device is connected.	The splitter needs a short time to set the new device, so short interruptions are normal. The same goes for the switching on or off of connected devices.

**Our customer's support will be glad to help you under [info@leicke.com](mailto:info@leicke.com).**

## 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 converter. Non-compliance may cause damages to TV, amplifier system and your hearing! The amplifier is to be switched on last, after signal source and converter are already switched on.
- If the converter 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 converter 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 converter.
- Do not pull on power cord when taking off the wall socket.
- Turn off power when device is not in use for a longer time.
- Do not open cover and do not touch inner parts.
- Please keep power adapter and converter 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.

## **FCC Interference Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures: - Reorient or relocate the receiving antenna. - Increase the separation between the equipment and receiver. - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. - Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following conditions:

1. This device may not cause harmful interference, and
2. (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC-Caution: FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

### **IMPORTANT NOTE:**

#### **Radiation Exposure Statement:**

1. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users should follow the specific instructions in the user's manual to comply with the FCC rules.
2. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

## **DISPOSAL**



*This device contains materials that must not be disposed of as household waste. Please check local laws concerning the applicable disposal regulations. Protect the environment by participating in recycling programs!*

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

**PRODUCTION & WHOLESALE**

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