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> MT-VIKI 4K HDMI Splitter 1 in 2 Out (Model 4K30) User Manual

MT-VIKI 4K30

MT-VIKI 4K HDMI Splitter 1 in 2 Out

MODEL: 4K30

1. PRODUCT OVERVIEW

The MT-VIKI 4K HDMI Splitter 1 in 2 Out (Model 4K30) is designed to duplicate one HDMI input signal to two identical HDMI output signals. This device allows you to display the same high-definition video and audio content on two separate screens simultaneously. It is ideal for applications requiring mirrored displays, such as presentations, home entertainment, or digital signage.



Figure 1: MT-VIKI 4K HDMI Splitter 1 in 2 Out

Key Features:

- **1 Input to 2 Outputs:** Duplicates one HDMI source to two displays.
- **4K Resolution:** Supports resolutions up to 4Kx2K@30Hz, 1080p@60Hz, and 720p@60Hz.
- **HDMI 1.4 & HDCP 1.4 Compatible:** Ensures broad compatibility with various HDMI devices.
- **Long Distance Transmission:** Supports distances up to 110ft (50ft from splitter to monitor, 60ft to source).
- **Plug and Play:** No software or drivers required for installation.
- **Slim and Lightweight Design:** Compact form factor for easy placement.

2. PACKAGE CONTENTS

Please check the package for the following items:

- HDMI Splitter 1x2 (Model 4K30) x 1
- Type-C Charging Cable x 1
- User Manual x 1

Note: A DC 5V 1A power adapter is **NOT** included and must be supplied by the user.

Product List



HDMI 1.4 Splitter*1



packages



Type-C
Charging Cable*1



User Manual*1

Figure 2: Package Contents

3. SETUP INSTRUCTIONS

Follow these steps to set up your MT-VIKI 4K HDMI Splitter:

1. **Connect the HDMI Source:** Connect your HDMI source device (e.g., computer, PS4, Fire Stick, Blu-Ray player) to the **IN** port of the HDMI splitter using an HDMI cable.
2. **Connect the Displays:** Connect your two HDMI display devices (e.g., TVs, monitors, projectors) to the **OUT 1** and **OUT 2** ports of the HDMI splitter using HDMI cables.
3. **Connect Power:** Connect the provided Type-C charging cable to the **DC 5V** port on the splitter and then to a 5V 1A USB power adapter (not included) or a USB port on your source device. The power indicator light on the splitter will illuminate.
4. **Power On Devices:** Power on your HDMI source device and both display devices. The splitter will automatically detect the signals and duplicate the display.

Support Cascade

1 PC to unlimited monitors

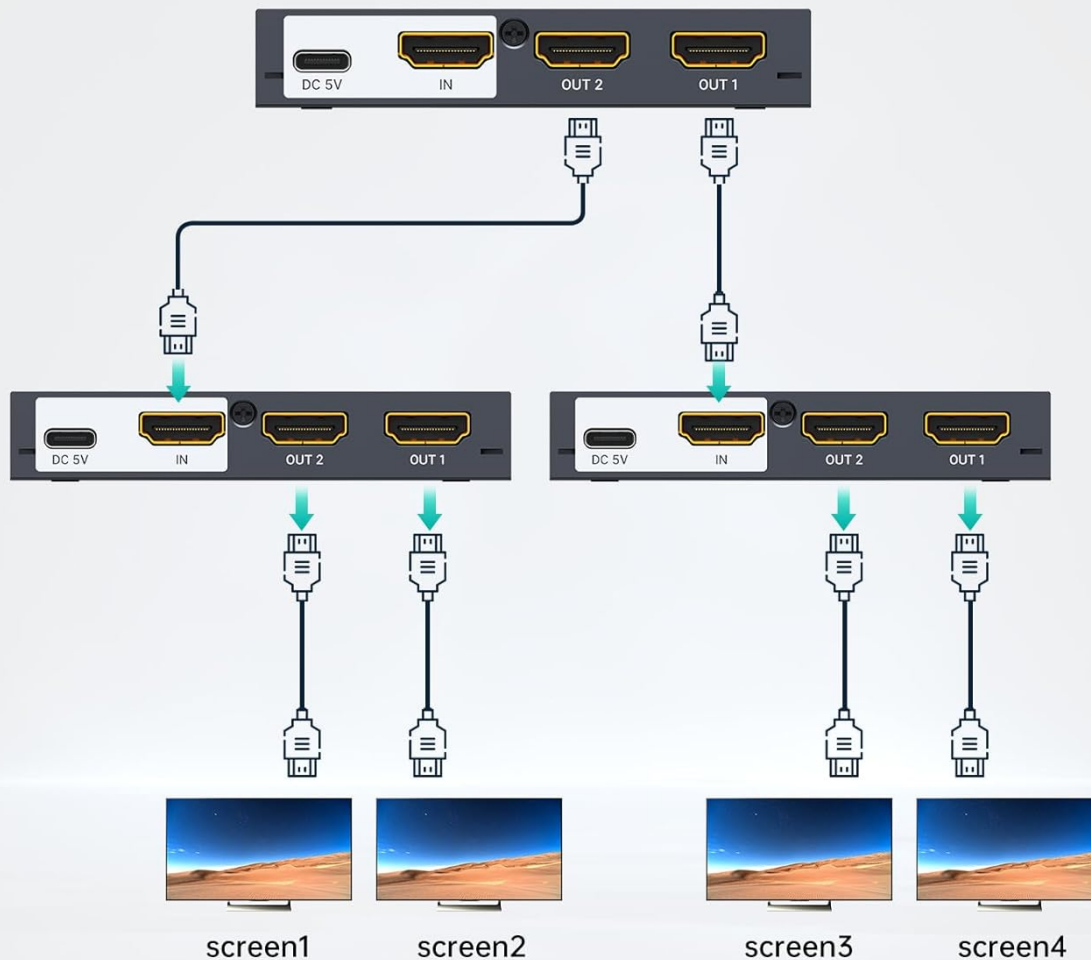


Figure 3: Typical Setup for Dual Monitors

Compatibility:

The splitter is compatible with most devices featuring a standard HDMI interface. This includes:

- **Input Devices:** Computers, Xbox One, PS3, PS4 Pro, Fire Stick, Blu-Ray DVD players, Roku, etc.
- **Output Devices:** Full HD TVs, monitors, projectors, etc.

Compatible with multiple devices

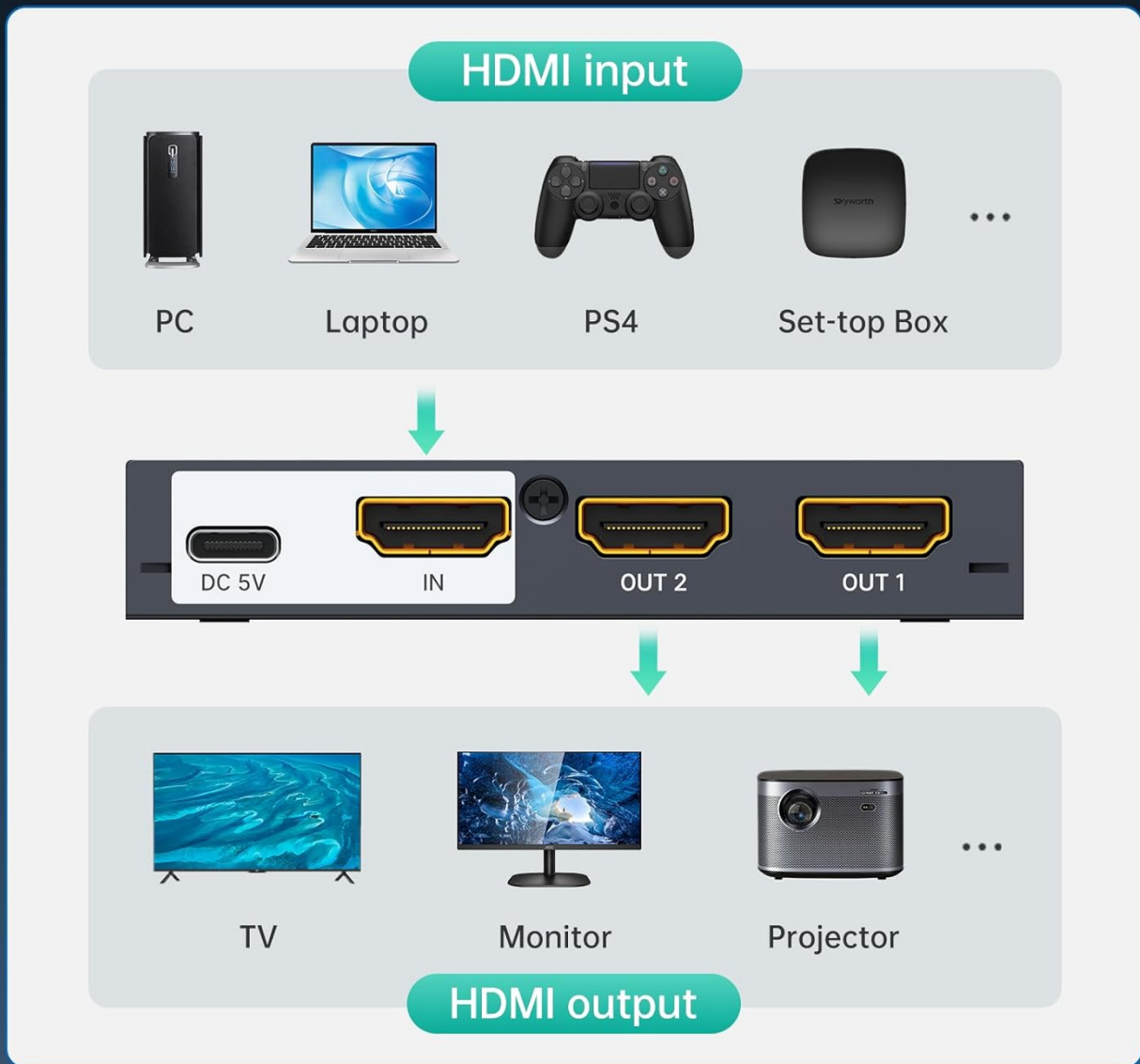


Figure 4: Compatible Devices

Installation Video:

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Video 1: Step-by-step guide on how to install the HDMI Splitter 1 in 2 out.

4. OPERATING MODES

Mirror/Duplicate Mode:

The MT-VIKI 4K HDMI Splitter operates primarily in mirror/duplicate mode. This means that the same video and audio content from your single HDMI source will be displayed on both connected output screens (OUT 1 and OUT 2).

Important Note: This HDMI splitter supports mirror/duplicate mode (A-AA/A-BB). The two outputs will show the exact same image. It **cannot** support extended mode to display two different screens from a single source. However, if you use a laptop as the input source, you can utilize its built-in screen as an extended display, while the two external monitors connected to the splitter will mirror each other. To achieve this, press Win + P (on Windows) and

select the 'Extend' option to use your laptop screen for working, while the two splitter outputs show identical content.

Cascade Support:

For applications requiring more than two mirrored displays, multiple MT-VIKI HDMI splitters can be cascaded. This involves connecting the output of one splitter to the input of another, allowing you to expand the number of displays showing the same content from a single source.



Figure 5: Cascade Connection Example

5. TECHNICAL SPECIFICATIONS

Feature	Specification
Model	4K30 (SP102)
Input Interface	1x HDMI Female
Output Interface	2x HDMI Female
Resolution Support	Max to 3840x2160@30Hz, 1080p@60Hz, 720p@60Hz
HDMI Version	HDMI 1.4 (Downward compatible with 1.3/1.2)
HDCP Version	HDCP 1.4
HDR Support	Yes
EDID Support	Auto
Max Transmission Distance	4K@30Hz: 15 meters (50ft) total (Input 7m, Output 8m) 1080p: 40 meters (130ft) total (Input 15m, Output 25m)
Power Supply	DC 5V 2A (via Type-C interface)

Shell Material	Metal
Dimensions	90mm x 52mm x 16mm (approx.)
Item Weight	3.52 ounces

Slimmer and Lighter

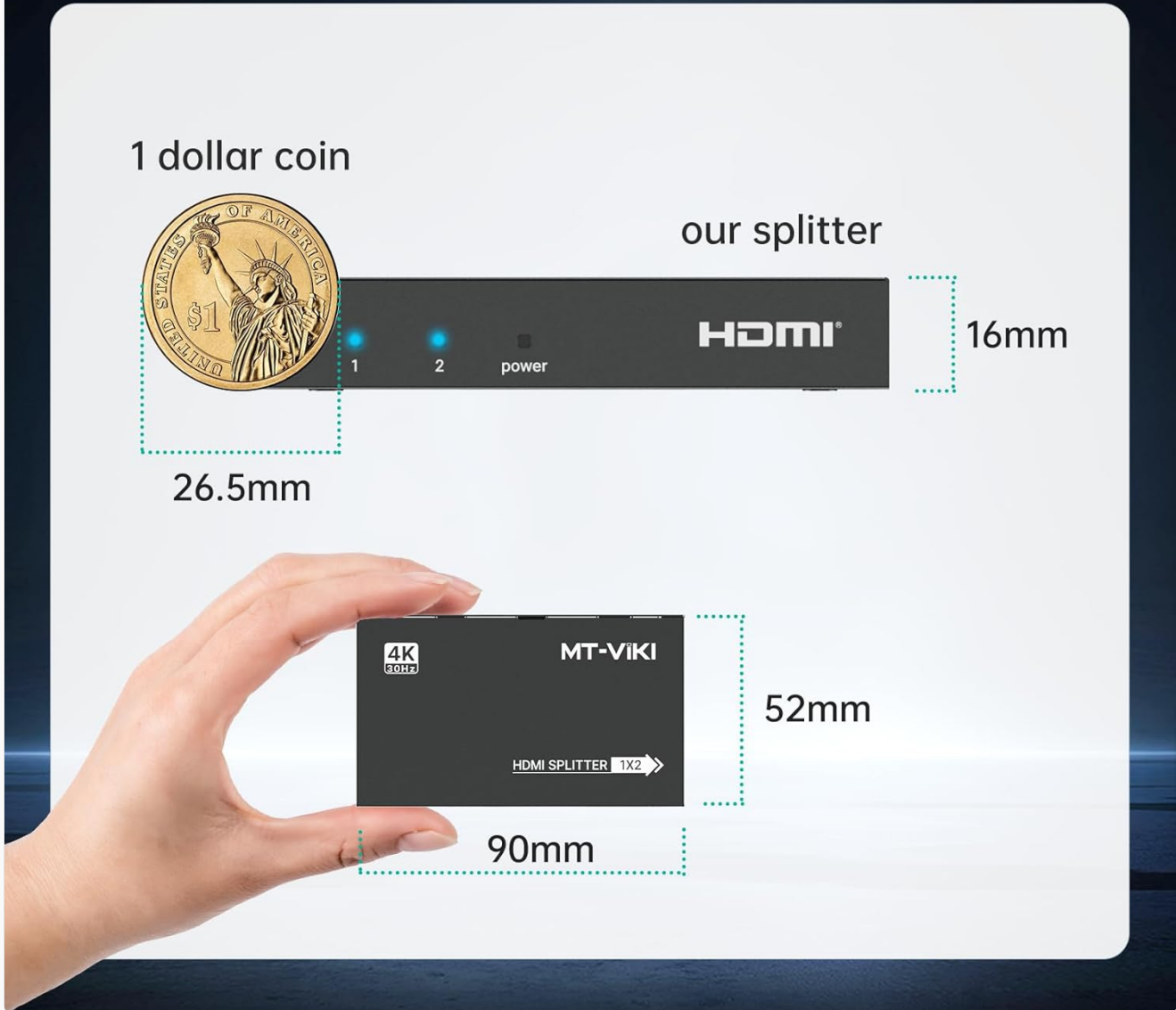


Figure 6: Product Dimensions

30m(100ft) Long Distance Transmission

input 15m + output 15m

long distance lossless transmission

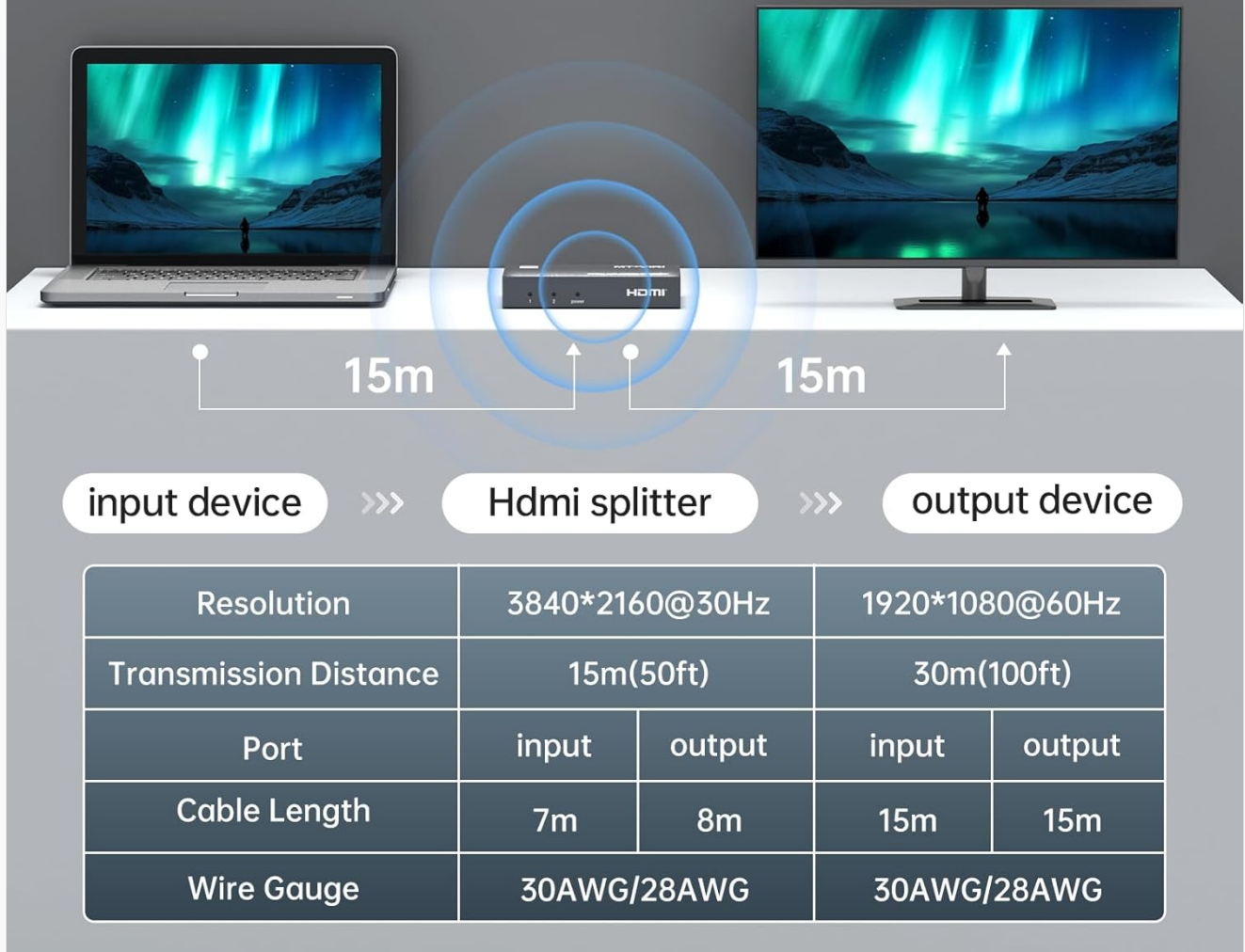


Figure 7: Ports Overview

6. TROUBLESHOOTING

• No Signal on Displays:

- Ensure all HDMI cables are securely connected to the correct input and output ports.
- Verify that the splitter is receiving power and its power indicator light is on.
- Check the resolution settings of your source device. Ensure it is compatible with the splitter's supported resolutions (up to 4K@30Hz).
- Try connecting the HDMI source directly to one of the displays to confirm the source and display are working correctly.
- Use high-quality HDMI cables, especially for 4K resolutions and longer distances.

• Flickering or Intermittent Signal:

- This can often be caused by long or low-quality HDMI cables. Try shorter, certified HDMI cables.
- Ensure the power supply is stable and provides sufficient power (DC 5V 1A).

- Check for electromagnetic interference from other electronic devices.

- **Resolution Issues (e.g., not getting 4K):**

- Confirm that both your source device and display devices support 4K@30Hz.
- Ensure your HDMI cables are rated for 4K transmission.
- The maximum recommended cable length for 4K@30Hz is 15 meters (50ft) total (input + output). Exceeding this may result in lower resolutions or signal loss.

- **Cannot Extend Display (different content on each screen):**

- This splitter is designed for **mirroring/duplicating** the same content to multiple screens. It does not support extending a single source to multiple unique displays.
- If using a laptop, you can extend your desktop to the laptop's built-in screen, while the two external monitors connected to the splitter will mirror each other.

7. GENERAL INFORMATION

Maintenance:

- Keep the device in a cool, dry place, away from direct sunlight and heat sources.
- Avoid exposing the device to water or excessive moisture.
- Clean the device with a soft, dry cloth. Do not use liquid or aerosol cleaners.
- Do not attempt to open or repair the device yourself. Refer to qualified service personnel.

Product Series Overview:

MT-VIKI offers a range of HDMI splitters with various port configurations. For a broader understanding of the product line, you may refer to the following video:

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Video 2: Overview of MT-VIKI's HDMI Splitter series, including 2, 4, 8, and 16 port models.

8. CONTACT & SUPPORT

For any questions, technical support, or warranty inquiries, please contact MT-VIKI customer service through your purchase platform or visit the official MT-VIKI website.

Manufacturer: MT-VIKI

Date First Available: April 3, 2024