



4 or 8 Port HDMI Splitter with 4K Resolution Support

Model 103073 - 4 Port

Model 103074 - 8 Port



- ◆ Split a video and audio source to 4 or 8 displays
- ◆ Supports 4K x 2K, 3D and Surround Sound audio
- ◆ Simple installation with automatic EDID copy feature
- ◆ Rugged metal housing construction with AC Power

User Manual



www.cablematters.com

Table of Contents

1. INTRODUCTION	1
1.1 Introduction	
1.2 Copyright and Trademarks	
1.3 FCC Compliance Statement	
2. PRODUCT OVERVIEW	2
2.1 Package Contents	
2.2 Product Description	
2.3 Product Features.....	3
3. CONNECTION INSTRUCTIONS	
3.1 Installation Checklist	
3.2 Front Panel Connections	4
3.3 EDID Settings	
3.4 Rear Panel Connections.....	5
3.5 Connection Instructions	
3.6 Video Resolution and Audio Settings in Windows.....	6
3.7 Video Resolution and Audio Settings in Mac.....	7
3.8 Troubleshooting Notes.....	8
4. TECHNICAL SPECIFICATIONS	9
5. WARRANTY AND SUPPORT	10
5.1 Customer Support and Contact Information	
5.2 Warranty Information	
5.3 Limitations of Liability	

1. Introduction

1.1 Introduction

Thank you for your purchase from Cable Matters Inc., the 'Reliable Connectivity' company. This User Manual provides an overview of the features and installation of your new

4 or 8 Port HDMI Splitter with 4K Resolution Support

For optimum performance and safety, please read these instructions carefully before connecting, operating or configuring this product. Please keep this manual for future reference.

Please contact support@cablematters.com for questions or product support.

1.2 Copyright and Trademarks

Specifications are subject to change without notice. Cable Matters is a registered trademark or trademark of Cable Matters Inc. All rights reserved.

This manual may make reference to trademarks, registered trademarks, and other protected names and/or symbols of third-party companies not related in any way to Cable Matters. Where they occur these references are for illustrative purposes only and do not represent an endorsement of a product or service by Cable Matters, or an endorsement of the product to which this manual applies by the third-party company in question. Regardless of any direct acknowledgement elsewhere in the body of this document, Cable Matters hereby acknowledges that all trademarks, registered trademarks, service marks, and other protected names and/or symbols contained in this manual and related documents are the property of their respective holders.

1.3 FCC Compliance 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.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. The device has been evaluated to meet general RF exposure requirement.

2. PRODUCT OVERVIEW

2.1 Package Contents

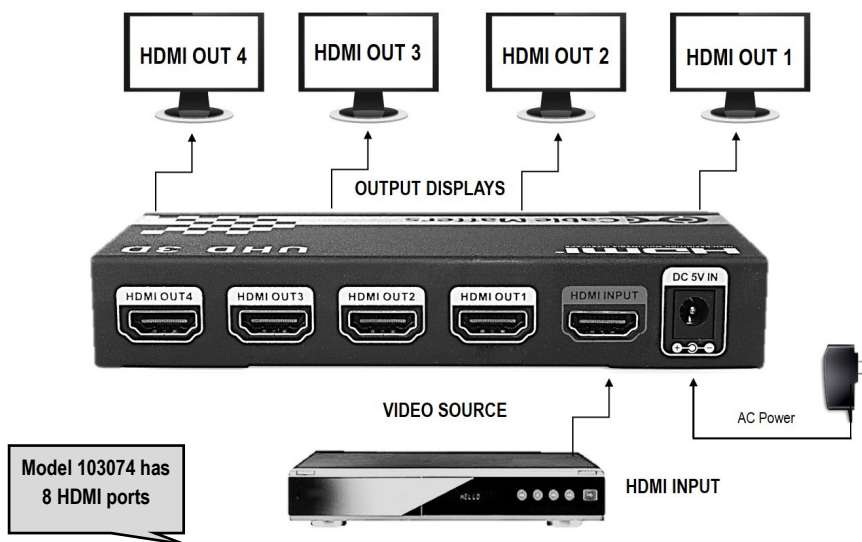
Please check that the following items are contained in the box:

- 4 or 8 Port HDMI Splitter
- 1 x AC Power Adapters – 4.8 Feet
- 2 x HDMI Cables – 6 Feet
- 2 x Mounting Brackets
- 8 x Mounting Screws
- 1 x User Manual

NOTE: Two HDMI cables are included. Additional cables are sold separately.

2.2 Product Description

The Cable Matters® 4 Port HDMI Splitter provides simultaneous viewing for up to 4 monitors, projectors, or TVs in separate locations from a set-top box, Blu-Ray player, gaming console or computer.



NOTE: Illustrations and features are applicable for both 4 and 8 port models.

2.3 Product Features

- Connect a Set-top box, Blu-Ray player, gaming console or other video source to 4 or 8 HDTVs, monitors, or projectors up to 50 feet
- Intelligent HDMI Splitter can auto detect source video and auto settings for replication to connected displays (not bi-directional)
- Supports video resolutions up to 3840 x 2160 @ 30 Hz and 3D
- Supports most Dolby Digital, DTS, and 5.1 or 7.1 surround sound audio
- HDMI to DVI adapter compatible for video only
- HDCP compliant with HDCP compatible equipment
- AC powered to boost the video and audio signals
- Rugged metal housing construction
- Surface mountable units with included brackets and screws
- Two 6 foot 4k rated HDMI cables included with the Splitter

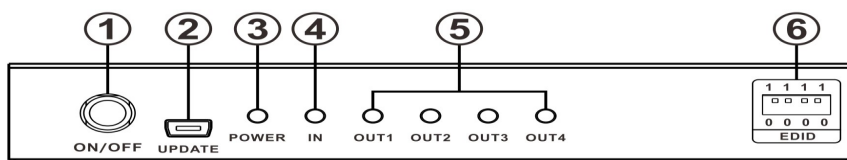
3. CONNECTION INSTRUCTIONS

3.1 Installation Checklist

Please review these steps before installing the HDMI Splitter

- Power-off the source equipment and destination displays before connecting the HDMI Splitter or any cabling.
- The HDMI Splitter must be located within 4.8 feet of an electrical outlet to use the included power adapters. It is surface mountable.
- The recommended max total distance for input and output HDMI cables is 50 feet including a max to the output displays of 25 feet for 1080p HD
- For the best performance at the maximum distance, use high quality 22-28 AWG HDMI cables rated for your display video resolution.
- 4K displays must be connected with an HDMI cable rated for 4K in the shortest length possible under 15 feet.
- The HDMI source and destination displays must have a compatible video resolution and aspect ratio in order to replicate the signal.
- Some cable or satellite set-top boxes may block replication of the signal. Check with your equipment provider.
- Test the Splitter and cabling before installing in a permanent location.

3.2 Front Panel Connections



1. ON/OFF: Power saving switch turns off unit when not in use
2. UPDATE: Reserved for future firmware update
3. POWER: Green LED lights when the ON button is depressed
4. IN: Red LED lights when an active source HDMI signal is detected
5. OUT1....OUT4..8: Output red LEDs light when an active HDMI display is detected
6. EDID: Pre-programmed position settings are listed below

Model 103074 has a different front panel with 8 LED's

3.3 EDID Settings

0000: Copies an equal or lower video resolution to each display

If a display is not recognized: Choose an EDID position to match the connected display

Position	EDID Description
0000	Copy EDID from HDMI OUT1
0001	1080p, 2 CH Audio
0010	1080p, Dolby/DTS 5.1 Audio
0011	1080p, HD Audio
0100	1080i, 2 CH Audio
0101	1080i, Dolby/DTS 5.1 Audio
0110	1080i, HD Audio 7.1
0111	3D, 1080p, 2 CH Audio
1000	3D, 1080p, Dolby DTS 5.1
1001	3D, 1080p, HD Audio 7.1
1010	4K x 2K, 2 CH Audio
1011	4K x 2K, Dolby/DTS 5.1
1100	4K x 2K, HD Audio 7.1
1101	1080p, 2 CH Audio
1110	1080p, 2 CH Audio
1111	Auto Compare HDMI OUT EDID

1111: The Splitter will default to the lowest common video resolution for all connected equipment and active displays.

3.4 Rear Panel Connections

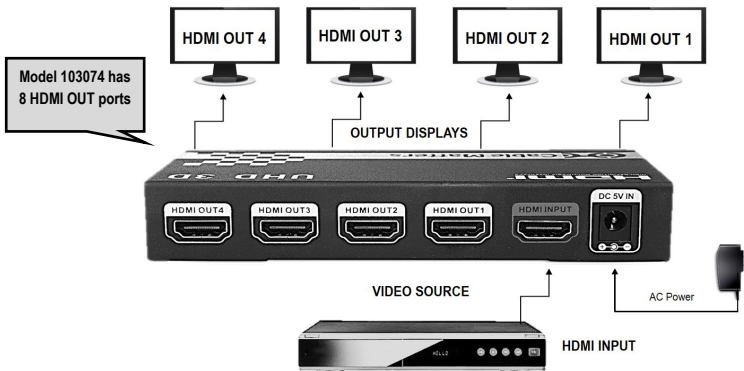


1. HDMI OUT1....4....8: Connect the destination displays to these ports
2. HDMI INPUT: Connect the video source to this port
3. DC 5V IN: Plug in the AC wall adapter to this port

3.5 Connection Instructions

1. Connect the Splitter AC power adapter to the unit and to an electrical outlet
2. Power down all the source equipment and output displays
3. Connect an HDMI cable to the video source and the HDMI INPUT port
4. Connect an HDMI cable to each output display
5. Turn on the video source equipment and the output displays
6. Depress the ON button of the Splitter unit to establish the connections
7. Verify that the video and audio source is playing
8. Select the appropriate HDMI input on the menu of each display
9. Wait a few minutes for the video signals to sync after the screens go blank
10. Configure the EDID dip switch settings if the correct video resolution is not displaying. The input source and output displays may need to be rebooted.

NOTE: Splitter should be turned OFF when connecting HDMI cables.

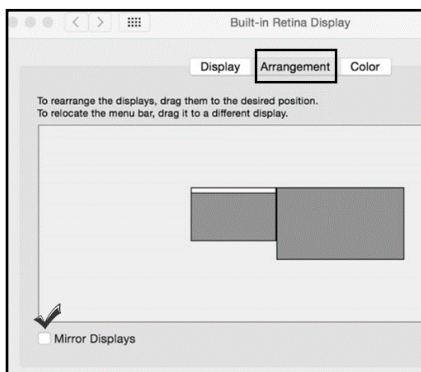


NOTE: Illustrations and features are applicable for both 4 and 8 port models.

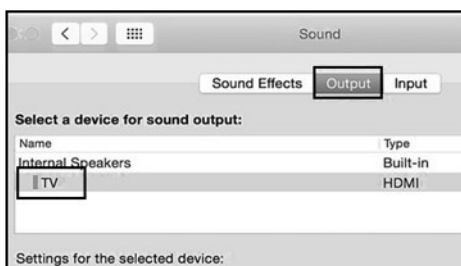
3.6 Video Resolution and Audio Settings with a Mac computer

Video Settings

1. Open the **Apple** Menu
2. Select **System Preferences**
3. Click the **Displays** icon
4. Click the **Arrangement** tab
5. Choose to **Duplicate** or **Extend** the display



Sound Settings



1. Open the **Apple** Menu
2. Select **System Preferences**
3. Click the **Sound** icon
4. Click the **Output** tab
5. Adjust the volume at the display

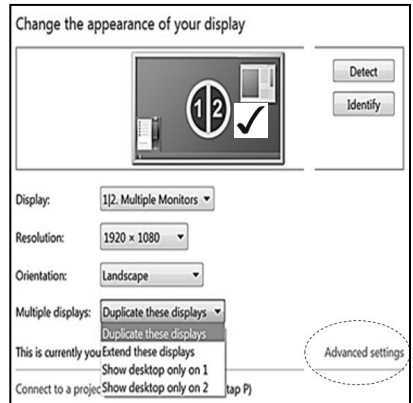
NOTE: Refer to the user manual of your monitor, TV, or projector for changing the resolution and sound input settings and verifying that audio is supported.

3.7 Video Resolution and Audio Settings with a Windows computer

Video Settings



1. Right-click on the desktop and select **Screen resolution**
2. Select **Duplicate or Extend**
3. Click on **Advanced settings** to change the refresh rate



Sound Settings

1. Confirm the sound output from the **Control Panel > Sound** menu
2. Select the connected displays from the **Playback** tab
3. Adjust the volume at the connected display



- Reboot the computer after changing the sound settings, if necessary

NOTE: Refer to the user manual of your monitor, TV, or projector for changing the resolution and sound input settings and verifying that audio is supported.

3.8 Troubleshooting Notes

- Verify that the Splitter and all connected equipment have power. The green power LED indicator should be lit on the Splitter.
- Verify that all cables are connected to the correct input and output ports.
- Verify that the correct video input is selected on the remote displays. The red LED indicators are lit when a signal is detected.
- Check the video resolution and aspect ratios to find a compatible setting. The Splitter will automatically sync to the lowest common video resolution. All connected equipment that is active must support HDCP. Turn on each display separately to test.
- Directly connect the video source to the remote display to test that they are compatible (if possible).
- Check the audio output settings from the source and the input settings of the remote displays if the audio is not functioning. An A/V receiver may cause incompatibility problems if it is not HDCP compliant.
- Test each HDMI by connecting it with other equipment.
- High resolution 4K displays may require a heavier gauge AWG 22 to 24 HDMI cables for distances over 15 feet to the Splitter.
- A 'Not Supported' error message may indicate that the connected display does not support HDCP (or more than 2 outputs) for content protected video.
- Splitter does not support auto return (ARC) or HDMI over Ethernet (HEC)
- Try to place the Splitter and cables away from fluorescent lights, air conditioners, or machines that are likely to generate electrical noise.
- Reboot the video source and output displays after making changes and allow them some time to synchronize.

Contact support@cablematters.com with any questions.

4. Technical Specifications Model 103073 & Model 103074

Splitter Connections

HDMI Input	1 x HDMI 19 pin female
HDMI Output (Model 103073)	4 x HDMI 19 pin female
HDMI Output (Model 103074)	8 x HDMI 19 pin female
Power	1 x 5V DC power input

Video Resolution Support

Maximum	3840 x 2160 @ 30Hz
3D Support	HDMI 1.4a, 1080P @ 60hz
Compatible with	2560x1600, 1920x1200, 1920x1080, 1280x720

Audio Support

2 Ch/Dolby/DTS/5.1, 7.1 Surround Sound

HDMI Color Space Support

Deep Color 30, 36, 48 bit

Frequency Bandwidth

2.97 Gbps

HDCP Compliance

HDCP 1.4 protocol compliant

Splitter Dimensions

Model 103073 (L x W x H) / Weight	5.7 x 2.8 x 0.99 Inches / 10.6 Ounces
Model 103074 (L x W x H) / Weight	9.8 x 4.6 x 1.3 Inches / 25.4 Ounces

Environmental

Operating Temperature	32°F to 104°F
Storage Temperature	-4°F to 140°F
Max Power Consumption	5W

AC Power Supply

US Standard 5V 1A, 4.8 Feet

Regulatory Approvals

HDMI Splitter Unit	FCC, C E, RoHS
Power Supply	FCC, UL Listed

Warranty

Limited One Year

User Manual

English Version

NOTE: Specifications are subject to change without notice.

5. Warranty and Support

5.1 Customer Support and Contact Information

Cable Matters offers lifetime technical support as an integral part of our commitment to provide industry leading solutions.

Email us with any questions at [**support@cablematters.com**](mailto:support@cablematters.com).

5.2 Warranty Information

This product is backed by a limited one-year warranty. In addition, Cable Matters warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replaced with equivalent products at our discretion. The warranty covers parts and labor costs only. Cable Matters does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

5.3 Limitation of Liability

In no event shall Cable Matters Inc. (including their officers, directors, employees or agents) be liable for any damages (whether direct or indirect, special, punitive, incidental, consequential, or otherwise), loss of profits, loss of business, or any pecuniary loss, arising out of, or related to the use of this product exceeding the actual price paid for the product. Some states do not allow the exclusion or limitation of incidental or consequential damages. If such laws apply, the limitations or exclusions contained in this statement may not apply to you.

Cable Matters® is a registered trademark or trademark of Cable Matters Inc.

All rights reserved.