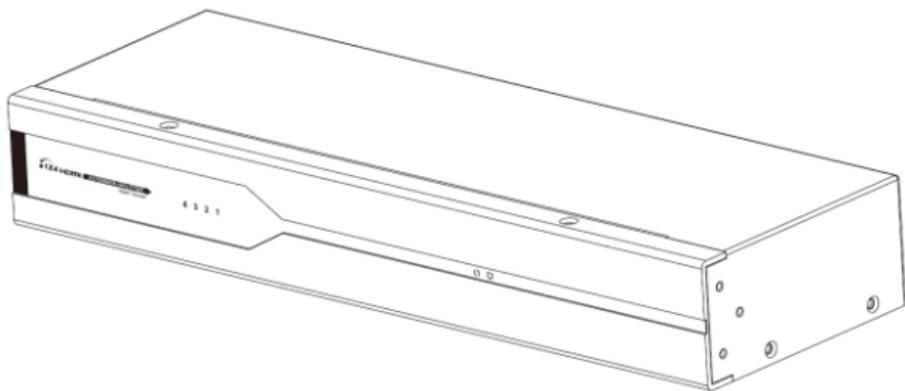


MONOPRICE

BitPath AV™ 4K 1X4 HDMI Splitter Extender over Single Cat6 with IR, 120m



P/N 16286

User's Manual

SAFETY WARNINGS AND GUIDELINES

Please read this entire manual before using this device, paying extra attention to these safety warnings and guidelines. Please keep this manual in a safe place for future reference.

- This device is intended for indoor use only.
- Do not expose this device to water or moisture of any kind. Do not place drinks or other containers with moisture on or near the device. If moisture does get in or on the device, immediately unplug it from the power source and allow it to fully dry before reapplying power.
- Do not touch the device, the power cord, or any other connected cables with wet hands.
- Do not expose this device to excessively high temperatures. Do not place it in, on, or near heat sources, such as a fireplace, stove, radiator, etc. Do not leave it in direct sunlight.
- Prior to operation, check the units and power adapters for physical damage. Do not use if physical damage has occurred.
- Take care to prevent damage to the power cord. Do not allow it to become crimped, pinched, walked on, or become tangled with other cords. Ensure that the power cord does not present a tripping hazard.
- Never unplug the unit by pulling on the power cord. Always grasp the connector head or adapter body.
- Ensure that power is turned off and disconnected before making any electrical connections.
- Clean using a soft, dry cloth only. Do not use chemical cleaners, solvents, or detergents. For stubborn deposits, moisten the cloth with warm water.
- This device has no user serviceable parts. Do not attempt to open, service, or modify this device.

INTRODUCTION

Thank you for purchasing this BitPath AV™ 4K 1x4 HDMI® Splitter/Extender! This device splits a single HDMI video input at resolutions up to 4K@30Hz, including 1080p@60Hz, and splits it into four BitPath AV outputs. BitPath AV is transmission protocol, which can transport the audio/video signal to distances up to 394 feet (120 meters) using a single Cat6 Ethernet network cable. It includes a dual-band IR extender, which allows you to control your source device using its IR remote control from the remote location.

FEATURES

- Splits a single HDMI® signal to four BitPath AV™ outputs
- Extends to distances up to 394 feet (120 meters)
- Includes four BitPath AV receivers
- Supports HDMI resolutions up to 4K@30Hz, including 1080p@60Hz
- Includes dual-band IR extender
- Fully supports HDCP

CUSTOMER SERVICE

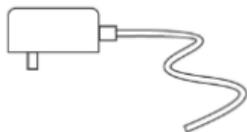
The Monoprice Customer Service department is dedicated to ensuring that your ordering, purchasing, and delivery experience is second to none. If you have any problem with your order, please give us an opportunity to make it right. You can contact a Monoprice Customer Service representative through the Live Chat link on our website www.monoprice.com during normal business hours (Mon-Fri: 5am-7pm PT, Sat-Sun: 9am-6pm PT) or via email at support@monoprice.com

PACKAGE CONTENTS

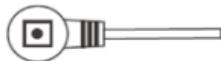
Please take an inventory of the package contents to ensure you have all the items listed below. If anything is missing or damaged, please contact Monoprice Customer Service for a replacement.



1x Splitter/Extender Transmitter



5x 5 VDC, 1A AC Power Adapter



1x IR Receiver



4x Receivers



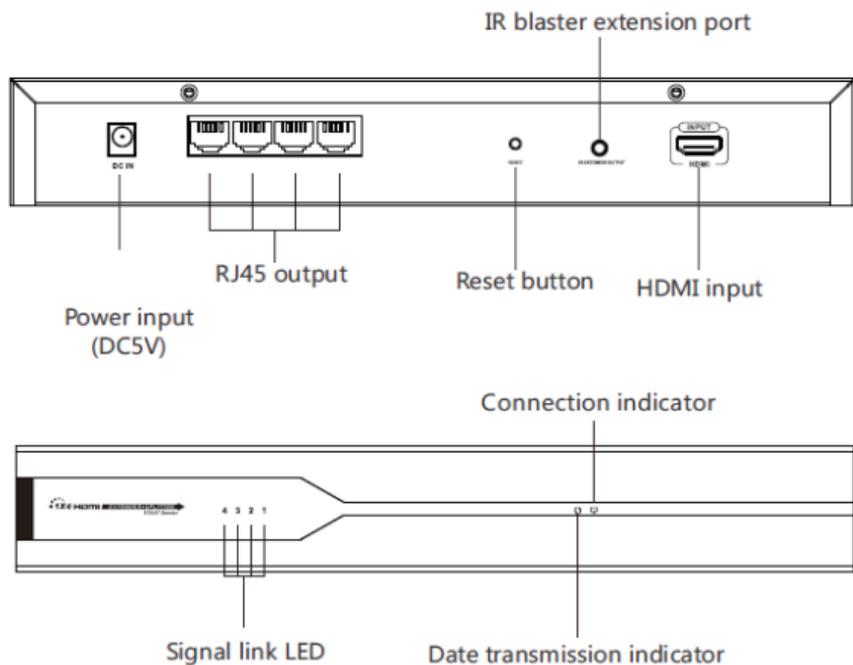
1x IR Transmitter



1x User's Manual

PRODUCT OVERVIEW

Transmitter

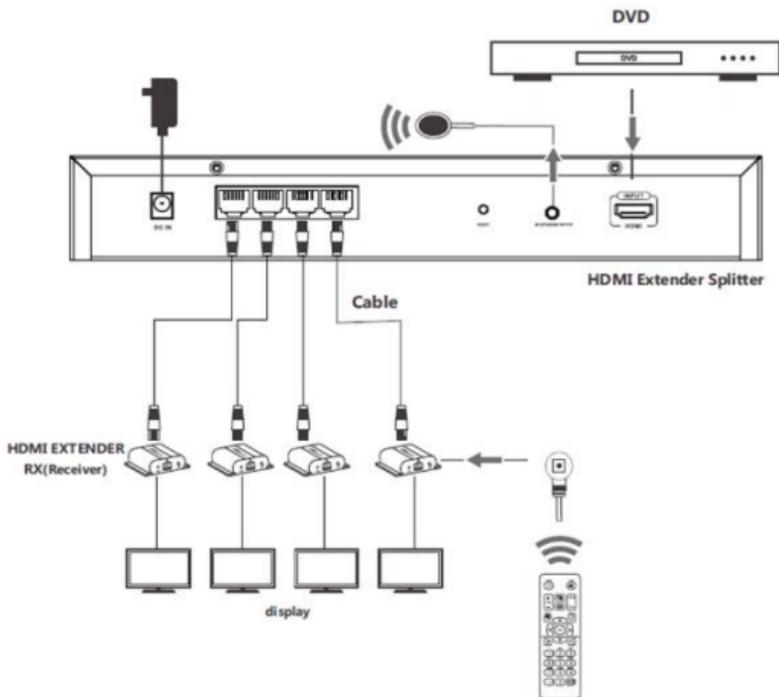


Receiver



1. **Reset:** Button for restarting the receiver.
2. **HDMI Output:** HDMI® connector for connecting the video display.
3. **IR In:** 3.5mm jack for connecting the IR receiver.
4. **DC 5V:** DC barrel connector for attaching the included AC power adapter.
5. **Power LED:** Illuminates when power is applied.
6. **BitPath AV™ RX:** RJ45 connector for attaching the Ethernet cable.
7. **Data Transmission LED:** The LED flashes slowly when a connection is being established, then flashes rapidly when successfully connected and transmitting data.
8. **Connection LED:** The LED illuminates when there is a solid wireless connection with the transmitter.

INSTALLATION AND OPERATION



Perform the following steps to install this splitter/extender.

1. Ensure that all equipment to be connected is powered off and unplugged from its power source.
2. Place the **Splitter/Extender Transmitter** near your HDMI® video source device.
3. Place a **Receiver** near your HDMI television.
4. Using a High Speed HDMI Cable (not included), plug one end into the HDMI input on your television, then plug the other end into the **HDMI Output** on the receiver.
5. Plug one of the IR Extender Receivers into the **IR IN** jack on the receiver, then position the receiver eye such that it can accept IR signals from your IR remote control.

- Using a Cat6 Ethernet network cable of the appropriate length (not included), plug one end into the **BitPath AV** input in the receiver, then plug the other end into one of the **BitPath AV** outputs on the transmitter.
- Repeat steps 3-6 for each additional receiver and television.
- Using a High Speed HDMI® Cable (not included), plug one end into the **HDMI Input** on the Splitter/Extender Transmitter, then plug the other end into the HDMI output on your video source device.
- Plug the IR Extender Transmitter into the **IR Extender Output** on the Splitter/Extender Transmitter, then position the IR emitter where it can send IR signals to the IR receiver on your HDMI source device.
- Plug the DC barrel connector on one of the included 5 VDC AC Power Adapters into the **DC 5V** connector on one of the Receivers, then plug the adapter into a nearby AC power outlet. Repeat for each other Receiver.
- Plug the DC barrel connector on the remaining 5 VDC AC Power Adapter into the **DC IN** jack on the Splitter/Extender Transmitter, then plug the other end into a nearby AC power outlet.
- Plug in and power on each connected television and the HDMI source device.
- Start video playback on your video source device. Check each television to verify that the video can be seen on the display.
- At each television location, use your HDMI source device's IR remote control to verify that you can control the source device from the remote location.

TROUBLESHOOTING

Q1: The television only shows "waiting for connection" in the bottom right corner.

A1: Verify that the AC adapters for both the transmitter and receiver are plugged in and that the **Power LED** on each unit is illuminated. Try swapping out the Ethernet cable with a known good one.

Q2: The television displays "Please check the TX input signal".

A2: Verify that the video source device is playing video content. Try swapping out the HDMI® cable between the video source device and the transmitter with a known good one. Try connecting the video source device directly to the television to verify that it is transmitting video. Verify that the video resolution on the video source does not exceed the 1080p@60Hz limits of the system.

Q3: The video on the television is unstable.

A3: Press the **Reset** button on each unit to allow them to reestablish a connection. Ensure that the Ethernet cable is within the length limits for its type. Try using a higher category Ethernet cable. Replace the Ethernet cable with a known good one.

TECHNICAL SUPPORT

Monoprice is pleased to provide free, live, online technical support to assist you with any questions you may have about installation, setup, troubleshooting, or product recommendations. If you ever need assistance with your new product, please come online to talk to one of our friendly and knowledgeable Tech Support Associates.

Technical support is available through the online chat button on our website **www.monoprice.com** during regular business hours, 7 days a week. You can also get assistance through email by sending a message to **tech@monoprice.com**

SPECIFICATIONS

| | |
|---|--|
| Model | 16286 |
| Video Standard | HDMI® with HDCP |
| Maximum Video Resolution | 4K@30Hz, 1080p@60Hz |
| Maximum Transmission Distance | up to 394 feet (120 meters) using Cat6 cable |
| IR Extender Bandwidth | 20 ~ 60 kHz |
| Maximum Transmitter Power Consumption | 10 watts |
| Maximum Receiver Power Consumption (each) | 3 watts |
| Power Source | 5 VDC, 1A AC power adapters |
| Operating Temperature | +32 ~ +140°F (0 ~ +60°C) |
| Transmitter Dimensions | 11.3" x 3.9" x 1.7" (288 x 98 x 44 mm) |
| Receiver Dimensions (each) | 4.1" x 3.7" x 0.9" (105 x 95 x 24 mm) |
| Transmitter Weight | 35.3 oz. (1000g) |
| Receiver Weight (each) | 8.6 oz. (243g) |

REGULATORY COMPLIANCE

Notice for FCC



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.

Modifying the equipment without Monoprice's authorization may result in the equipment no longer complying with FCC requirements for Class B digital devices. In that event, your right to use the equipment may be limited by FCC regulations, and you may be required to correct any interference to radio or television communications at your own expense.

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 or more 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.

Notice for Industry Canada

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

BitPath AV™ is a trademark of Monoprice Inc.

HDMI®, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.