



AC-EXO-444-KIT

User Manual

18 Gbps 4K Fiber Optic Extender Kit with eARC

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Important Safety Instructions



Before installing, configuring, and operating the devices and other vendor equipment, AVPro Edge strongly recommends that each dealer, integrator, installer, and all other necessary personnel access and read all the required technical documentation, which can be located by visiting AVProEdge.com.

Read and understand all safety instructions, cautions, and warnings in this document and the labels on the equipment.


Safety Classifications in this Document

 Note:	Provides special information for installing, configuring, and operating the devices and equipment.
 Tip:	Provides suggestions and considerations for installing, configuring, and operating the devices and equipment.
 Important:	Provides special information that is critical for installing, configuring, and operating the devices and equipment.
 Caution:	Provides special information for avoiding situations that may cause damage to the devices and equipment.
 Warning:	Provides special information for avoiding situations that may cause physical danger to the installer, end user, etc.

Electrical Shock Prevention

 Electric Shock:	Provides special information that is critical for installing, configuring, and operating the devices and equipment.
 Electrical Disconnect:	Provides special information for avoiding situations that may cause damage to the devices and equipment.

Weight Injury Prevention

 Weight Injury:	Installing some of the devices and equipment requires two installers to ensure safe handling during installation. Failure to use two installers may result in injury.
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Safety Statements

Follow all the safety instructions listed below and apply them accordingly. Additional safety information will be included where applicable.

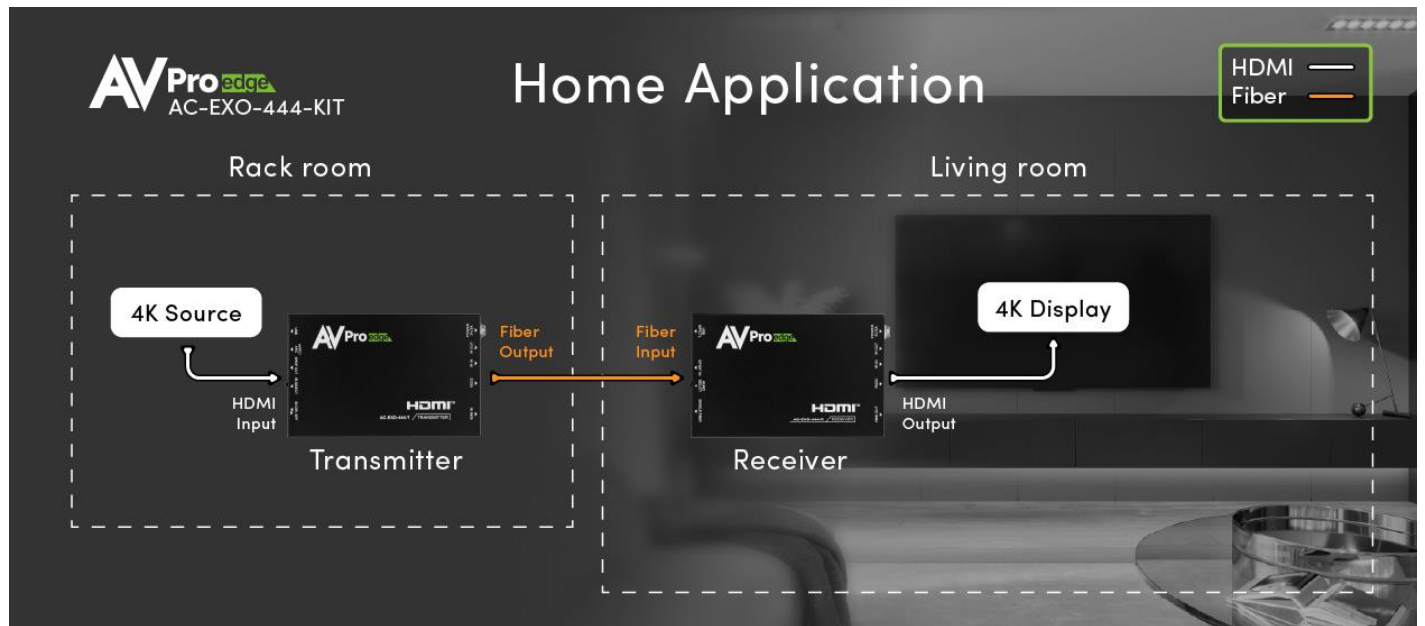
- 1 Read and keep these instructions.
- 2 Heed and follow all warnings.
- 3 Clean devices and equipment only with a dry cloth.
- 4 Do not use the devices near water or expose them to rain and moisture.
- 5 Do not block any ventilation openings.
- 6 The devices and their accessories should never be exposed to open flames or excessive heat.
- 7 Only use attachments and accessories specified by the manufacturer.
- 8 Install in accordance with the manufacturer's instructions.
- 9 Do not install near any heat sources, such as radiators, heat registers, stoves, or other apparatus that produce heat.
- 10 Do not defeat the safety purpose of the polarized / grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade, or third prong, are provided for your safety.
- 11 Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the devices.
- 12 Unplug the devices during lightning storms or when unused for long periods of time.
- 13 To reduce the risk of electrical shock or damage to the devices and their operators, never handle or touch the devices and power cord with damp or wet hands.
- 14 To reduce the risk of injury, some of the devices and equipment may require two installers to ensure safe handling during installation. Failure to use two installers may result in injury.
- 15 Refer all servicing to qualified service personnel. Servicing is required when the devices have been damaged in any way, such as the power cord or plug is damaged, liquid has been spilled, objects have fallen into the devices, the devices have been exposed to rain or moisture, do not operate normally, or have been dropped.

Introduction

The AC-EXO-444 is engineered to deliver reliable, long-distance HDMI signal extension over fiber optic cable. Supporting 4K 18Gbps content, it extends signals up to 2 kilometers over single-mode fiber and up to 300 meters over multimode fiber. For installations requiring even greater distances, the built-in SFP port accepts user-supplied modules to meet virtually any project requirement.

Designed for both commercial and residential applications, the AC-EXO-444 eliminates the need to locate intermediate power sources or cascade multiple extenders on long runs — simplifying installation and reducing overall system complexity.

The diagram below shows the basic application of the AC-EXO-444-KIT.



Features

- Single-mode fiber grade OM2 / 3 / 4 compatible, up to 300 meters
- 4K 18 Gbps bandwidth (4K 60 Hz 4:4:4)
- HDMI 2.0 (a/b)
- Supports HDR formats, including Dolby Vision, HDR10 & HDR10+, and HLG
- Comprehensive EDID management for mixed-resolution Next-gen systems
- RS-232 and IR Bidirectional Passthrough
- eARC/ARC Support(TOSLINK or HDMI)

Product Overview

Box Contents

- (1x) Fiber Optic Transmitter Module AC-EXO-444-T
- (1x) Fiber Optic Receiver Module AC-EXO-444-R
- (2x) 5v 2a Power Supply
- (1x) Stereo IR Eye
- (1x) Mono IR Emitter
- (2x) 3-Pin Terminal Block Connector
- (4x) Mounting Brackets
- (8x) Mounting Bracket Screws



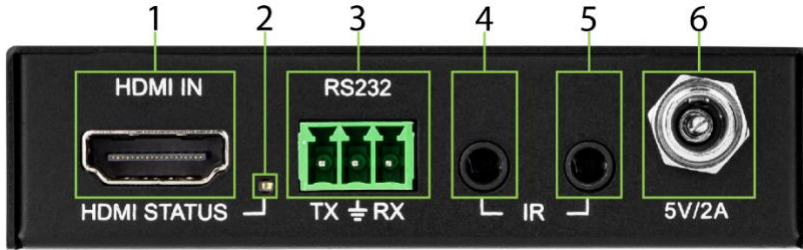
Technical Specifications

Video	
Video Resolutions	Up to 4K/60 Hz 4:4:4
HDR Formats	HDR10, HDR10+, Dolby Vision, HLG
Color Space	YUV (Component), RGB (CSC: ITU-R BT.601, ITU-R BT.709, ITU-R BT.2020, DCI-P3 D65)
Chroma Subsampling	4:4:4, 4:2:2, 4:2:0
Color Bit Depth	Up to 16-bit (1080p), Up to 12-bit (4K)
Down Scaling	4K to 1080p
Audio	
Audio Formats Supported (HDMI)	LPCM up to 7.1-Ch @ 192 kHz 24-Bit, Dolby Digital, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos (All Formats), Dolby AC-4, DTS-Digital Surround, DTS-ES Discrete, DTS-HD High Res Audio, DTS-HD Master Audio, DTS:X
Audio Formats Supported Extracted (TOSLINK, TX Only)	LPCM 2.0 Ch, Dolby Digital, DTS 5.1, Dolby Digital Plus
ARC/eARC	
Formats Supported HDMI ARC/eARC Out TX	LPCM 2.0 Ch, LPCM 5.1 & 7.1, Dolby Digital, DTS 5.1, Dolby Digital Plus, Dolby TrueHD, DTS-HD Master Audio, DTS:X, Dolby Atmos
Formats Supported Toslink Out TX	LPCM 2.0 Ch, Dolby Digital, DTS 5.1, Dolby Digital Plus
Fiber	
Type	Single-Mode OS2
Connector	Simplex LC (Lucent Connector)
Recommended Fiber	OS2 Cleerline SSF™ Single-Mode Fiber
Distance	
Single-Mode (OS2)	Up to 2 km
HDMI In/Out (4K/60 Hz 4:4:4)	Up to 50 ft. (using Bullet Train HDMI)
HDMI In/Out (w/ AOC Cable) (4K/60 Hz 4:4:4)	Up to 130 ft. (using Bullet Train AOC)
Other	
Bandwidth	18 Gbps

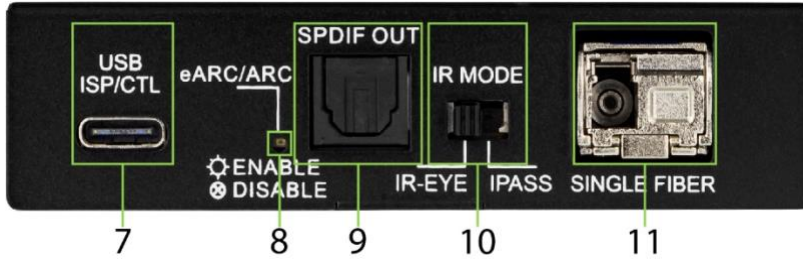
HDCP	HDCP 2.3 and earlier
Ports	
HDMI (TX & RX)	HDMI Type A 19-pin, female
Audio (Extracted Digital) (TX Only)	TOSLINK
IR TX (TX & RX)	3.5 mm Mono (2-Conductor)
IR RX (TX & RX)	3.5 mm Stereo (3-Conductor)
RS-232 (TX & RX)	3-Pin Euroblock
ISP/CTL	USB-C
Power In (TX & RX)	Barrel Connector
Environmental	
Operating Temperature	23° to 125° F (-5° to 51° C)
Storage Temperature	-4° to 140° F (-20° to 60° C)
Humidity Range	5% to 90% RH (No Condensation)
Power	
Power Consumption (Total)	6 W Maximum
Power Supply	Input: 100-240 VAC ~ 50/60 Hz Output: 48 VDC, 0.5 A
Physical / Dimensions	
Mounting	Mounting brackets (screws included)
Dimensions (Unit Length/Width/Height)	mm: 82.55 x 130.175 x 20.638 inches: 3.25 x 5.125 x .8125
Dimensions (Packaged Length/Width/Height)	mm: 136.53 x 192.1 x 84.14 inches: 5.4 x 7.6 x 3.313
Weight (Unit)	0.6 lbs. (0.27 kg)
Weight (Packaged)	3.8 lbs. (1.7 kg)
Regulatory	CE/FCC
Product Warranty	10 Years
*Specifications subject to change without notice. Mass & dimensions are approximate	

Transmitter Front and Rear Panel Overview

AC-EXO-444-T Front Panel



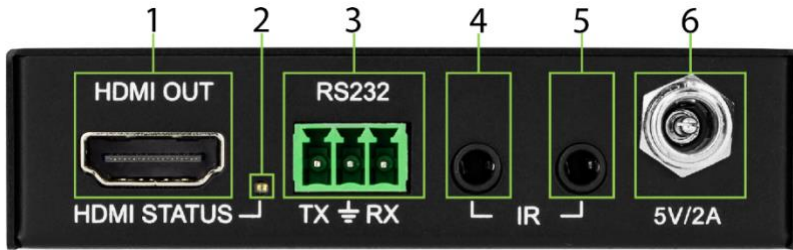
AC-EXO-444-T Rear Panel



1	HDMI In	<ul style="list-style-type: none"> 19-pin HDMI Type-A female connector port Source input with HDMI or eARC/ARC connection
2	HDMI In Light	<ul style="list-style-type: none"> Blue LED status indicator light Solid blue indicates an active signal is present on the HDMI In port
3	RS232	<ul style="list-style-type: none"> 3-pin terminal block connector port Serial RS-232 control port
4	IR IN	<ul style="list-style-type: none"> 3.5mm mono jack (TS) IR Receiver port Sends IR signals downstream to the IR output of the specified endpoint(s)
5	IR OUT	<ul style="list-style-type: none"> 3.5mm mono jack (TS) IR transmitter port Sends IR signals upstream to the output of the desired endpoint(s)
6	Power In	<ul style="list-style-type: none"> Power 5v 2a in port supports local power to the receiver
7	ISP/CTL	<ul style="list-style-type: none"> USB Type-C female connector port Servicing port for AVPro Edge Technical Support
8	eARC/ARC	<ul style="list-style-type: none"> Blue LED status indicator light Solid blue indicates eARC/ARC is detected
9	SPDIF Out	<ul style="list-style-type: none"> SPDIF output connector port Output extracted audio to external audio processor
10	IR-Select	<ul style="list-style-type: none"> IR Mode Slide Switch used to select a preferred IR IN Mode IR-EYE - The IR Input will be configured to operate with an IR Receiver Eye. I-PASS - The IR Input will be configured to safely operate with a direct connection from a control system using a mono or stereo 3.5mm cable. It's protected @ 3v-20v. Default mode is IR-EYE.
11	BI DIR. SFP	<ul style="list-style-type: none"> LC Simplex Single-mode fiber connector port Connects to LC / RX port on the receiver (AC-EXO-444-R)

Receiver Front and Rear Panel

AC-EXO-X-PLUS-R Front Panel



AC-EXO-X-PLUS-R Rear Panel



1	HDMI Out	<ul style="list-style-type: none"> 19-pin HDMI Type-A female connector port HDMI output to display or EARC/ARC device
2	HDMI Out Light	<ul style="list-style-type: none"> Blue LED status indicator light Solid blue indicates an active signal is present on the HDMI Out port
3	RS232	<ul style="list-style-type: none"> 3-pin terminal block connector port Serial RS-232 control port
4	IR IN	<ul style="list-style-type: none"> 3.5mm mono jack (TS) IR Receiver port Sends IR signals downstream to the IR output of the specified endpoint(s)
5	IR OUT	<ul style="list-style-type: none"> 3.5mm mono jack (TS) IR transmitter port Sends IR signals upstream to the output of the desired endpoint(s)
6	Power In	<ul style="list-style-type: none"> Power 5v 2a In port supports local power to the receiver
7	ISP/CTL	<ul style="list-style-type: none"> USB Type-C female connector port Servicing port for AVPro Edge Technical Support
8	SPDIF In	<ul style="list-style-type: none"> SPDIF output connector port Output extracted audio to external audio processor
9	Audio Select	<ul style="list-style-type: none"> Dipswitch to select audio input source Setting to eARC/ARC (TV) sources audio signal from display (HDMI) Setting to TOS sources audio signal from TOSLINK IN port
10	BI DIR. SFP	<ul style="list-style-type: none"> LC Simplex Single-mode fiber connector port Connects to LC / TX port on the transmitter (AC-EXO-444-T)

Wiring and Connections

HDMI Cables

The AC-EXO-444-KIT uses the standard 19-pin HDMI female connector ports for the inputs and outputs.



Note: Ensure all HDMI cables and devices can support the signal being sent. For maximum performance, an Ultra-High Speed HDMI cable rated for 18 Gbps will be more than sufficient to satisfy signal transport if every device in the system can handle the signal.

Tip: Ensure your HDMI cable is the correct length. The current HDMI specification calls for cables to be between 2 to 10 meters (6.6 to 33 feet). Smaller wire cables may be unable to transmit higher bandwidth signals like 4K 60 Hz over distances of even 5 meters (16 feet).

USB Ports

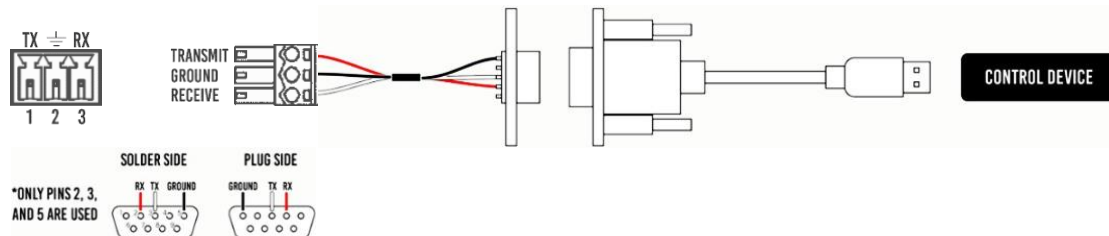
Both the transmitter and receiver each have one USB Type-C port that functions as a servicing port for AVPro Edge technical assistance in the event of testing and troubleshooting.

USB Type-C



RS-232 Wiring

Serial control connections are made using the provided 3-pin terminal block connector. The wire slips into the hole and locks with a screw located at the top of the connector.



Wiring for this port uses a 3-pin terminal block connector to DB9, where only pins 2, 3, and 5 are used. If the control devices do not have a DB9 port, a USB to DB9 adapter may be required.

For RS-232 control, use a null modem serial cable adapter and set the serial communications to: Baud: 57600, no parity, 8 data bits, 1 stop bit, no handshaking. Add a carriage return (Enter key) after each command when using direct commands. The unified ASCII command list can be located [here](#).

IR Wiring

IR connections are made using the provided 3.5mm IR Emitter and IR Eye (receiver).



IR can be used in three ways:

- 1 From Rack (Control System Direct): Connect a 3.5mm mono jack (TS) cable into an emitter port of any control system directly into the *I-PASS* port on the transmitter to pass IR signals directly to the remote end.
- 2 From Rack (Using IR-Eye): Connect the provided IR receiver eye cable into the *IR-EYE* port of the transmitter to pass infrared signals generated from a device or IR remote.
- 3 From Remote End: Connect the provided IR receiver eye cable into the *IR OUT* port on the receiver to send IR signals back to the rack and out of the transmitter's *IR OUT* port with an emitter.

Power Connections

Fiber optic cables do not carry electrical current and therefore cannot be used to power connected devices.

This kit includes two (2) 5V 2A power supplies to connect to both the transmitter and the receiver.

Fiber Optic Cables

Single-mode fiber is typically used for "long hauls", or long distance buried cabling i.e., used by telecommunication companies for country-wide distribution. Single mode fiber should be used in applications over 1000 feet (300 meters).

Single-mode fiber is commonly seen in the professional/custom electronics sector, with shorter runs of up to 1000 feet (300 meters). Single-mode fiber is used in both residential and commercial applications for on-premises infrastructure.

Types of Fiber

- Simplex A single strand of fiber optic cable, comes in a single jacket.
- Duplex Two strands of fiber optic cable, comes in a dual, fused jacket.
- 6-Strain Six strands of fiber, comes in a single jacket, individual strands are color coded.
- 12-Strain 12 strands of fiber, comes in a single jacket, individual strands are color coded.

OM Grades

OM (Optical Single-mode) grades only apply to Single-mode fiber. The grade is determined by the clarity of the glass.

- OM2 500 MHz, typically comes in an orange jacket.
- OM3 2000 MHz, typically comes in an aqua blue jacket. (Most common grade of fiber.)
- OM4 4700 MHz, typically comes in a violet or aqua blue jacket.

 **Note:** For maximum performance, AVPro Edge recommends using OM3 Cleerline SFF™ fiber.

Connector Types

LC (Lucent Connector)


A universal connector, most commonly seen in networking. Can be terminated in the field, with some connectors able to support more than one strand.

 **Note:** Ensure the fiber is terminated with LC connectors.

Installation

General Application

- 1 Connect the 5v 2a power supplies to *Power In* port on the transmitter and the receiver.

 **Note:** The AC-EXO-444-KIT requires power to be supplied to both the transmitter and receiver units for full functionality.

- 2 Connect the transmitter's *Opt. Fiber LC / TX* port to the receiver's *Opt. Fiber LC / RX* port with a simplex Single-mode fiber optic cable terminated with LC connectors.
- 3 Connect the HDMI source device to the *HDMI In* port on the transmitter with an HDMI cable.
- 4 Connect the HDMI output device to the *HDMI Out* port on the receiver with an HDMI cable.

Settings and Functionalities

EDID Management (Transmitter)

The transmitter (AC-EXO-444-T) comes equipped with dipswitches located underneath the device for selecting an EDID.

Dipswitches 1, 2, and 3 correspond to the EDID jumper settings. Flip the dipswitches up ("on" or "1") or down ("off" or "0") to select the corresponding EDID setting.

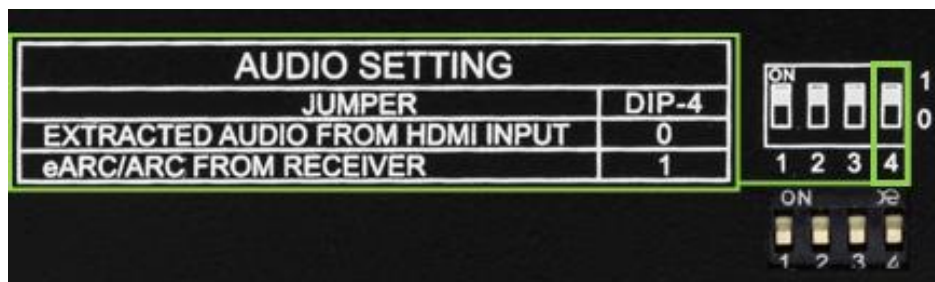


Audio Extraction/Extension

This feature extracts up to 8-channel audio from the source device and sends it to a separate amplifier or AVR. The transmitter can be changed using a dipswitch on the bottom of the unit, while the receiver can be changed using a front panel toggle switch.

- Note:** You can extract audio at the Transmitter via the TOSLINK OUT port. The source of the audio can either be HDMI (ARC/eARC) or you can input via the TOSLINK IN port on the Receiver.

Transmitter Audio Settings

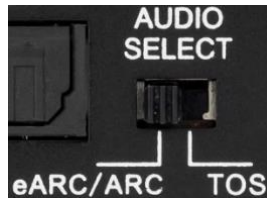


Extract Audio from HDMI Input (TOSLINK Output Only): The default for the transmitter is to

source audio from the HDMI IN port. The dipswitch position of 0 will source the audio from the Transmitters HDMI input port.

Extract Audio from Receiver (TOSLINK and eARC/ARC HDMI Output): If the audio is coming from the Receiver's HDMI OUT eARC/ARC port set the dip switch position to 1 on the Transmitter. If the Receiver does not have an active eARC/ARC or digital audio input, no audio will be played.

Receiver Audio Settings



Send Audio to Transmitter from Receiver's HDMI eARC/ARC: If the audio is coming from the Receiver's HDMI OUT eARC/ARC port, set the slider switch to the eARC/ARC (TV) position. An active eARC/ARC signal must be received by the HDMI Output connection from the display's eARC/ARC port.

Extract Audio from Receiver (TOSLINK and eARC/ARC HDMI Output): If the audio is coming from the Receiver's TOSLINK port, set the slider switch to the TOS position.

Note: Both connected devices must support eARC/ARC. Ensure the port you are connecting to is labeled eARC/ARC. Some devices may require eARC/ARC functionality set to enabled. It is recommended to check the device's user manual to verify the eARC/ARC function is on or enabled.

Command List

For RS-232 control, use a null modem serial cable adapter and set the serial communications to:
Baud: 57600, no parity, 8 data bits, 1 stop bit, no handshaking. Add a carriage return (Enter key) after each command when using direct commands. All commands start with the System Address prefix A00.


Command	Action
H	Help
SET RBT	Reboot Device
SET RST	Reset to Factory Defaults
SET ADDR xx	Set System Address to xx {xx = [00~99] (00 = Single)}
SET HP OUT 5V MODEx	Set HDMI Port Out 5V Mode {x = [1,2] (1 = 5V Always High, 2 = Follows Tx)}
SET OUT1 HP STREAM ON/OFF	Set HDMI Output Stream ON/OFF
GET ADDR	Get System Address
GET HP OUT 5V MODE	Get HDMI Port Out 5V Mode
GET OUT1 HP STREAM	Get HDMI Output Stream Status

Troubleshooting

- Verify Power – Check the POWER light is solid blue on the front panel of both the transmitter and receiver. This indicates there is power connected and present on the devices.

 **Note:** The AC-EXO-444-KIT must be powered from both units for complete operation. See [Power Connections](#)

- Verify Connections – Check that all cables are properly connected and can support 18 Gbps. Check the LINK light is solid blue on the front panel of both the transmitter and receiver.
- Issues with One Output – Swap HDMI outputs to see if issue follows. Try copying EDID from the display. See [EDID Management](#)
- Issues with Legacy HDMI Device when Scaling – Ensure the legacy device supports the input source's frame rate. Ensure Variable Refresh Rate is disabled and supports meta-data.
- Not Passing Video – Use the built-in test pattern on the transmitter.
- IR Issues – Verify correct connections and settings.

 **Note:** Use the IR cables provided included with the device. Visible flashing IR emitters or other third-party IR cable functionality is not guaranteed.

Maintenance

To ensure reliable operation of these devices as well as protecting the safety of any person using or handling these devices while powered, please observe the following instructions:

- Use the power supplies provided by the manufacturer. If an alternate power supply is required, check the voltage and polarity for sufficient power to supply the device it is connected to.
- Do not operate the devices outside of the specified temperature and humidity range given in the technical specifications.
- Ensure there is adequate ventilation to allow the devices to operate efficiently.
- Repair of the devices and other equipment should only be carried out by qualified professionals as these devices contain sensitive components that may be damaged by any mistreatment.
- Only use the devices in a dry environment. Do not allow any liquids or harmful chemicals to come into contact with these devices.
- Clean the devices with only a soft, dry cloth. Never use alcohol, paint thinner, or benzene.

Damage Requiring Service

The devices should be serviced by qualified service personnel if:

- The DC power supply cord or AC adapter has been damaged
- Objects or liquids have gotten into the devices
- The devices do not operate normally as intended or exhibit a marked change in performance
- The devices have been dropped the housing has been damaged

Support

Should you experience any problems while using the devices, first refer to the Troubleshooting section of this user manual before contacting AVPro Edge Technical Support. When calling, the following information should be provided:

- Device name and model number
- Device serial number
- Details of the issue and any conditions under which the issue is occurring

Warranty

The Basics

AVPro Edge warrants its products that are purchased from all authorized AVPro Edge resellers or direct purchases. Products are guaranteed to be free from manufacturing defects and are of sound physical and electronic condition.

AVPro Edge has developed a warranty that anyone can get behind. We really wanted to take all the “red tape” out of a warranty and just make it simple. Our 10 Year No BS Warranty hinges on 3 elements:

- If you are having trouble, call us. We will attempt to troubleshoot your issue over the phone.
- If it's broken, we will replace it in advance on our dime and we'll also cover the return shipping. Repair is an option too, but it's YOUR call.
- We know you know what you are doing. We will not make you go through unnecessary steps to troubleshoot an extender...

Coverage Details

AVPro Edge will replace or repair (at customer choice) the defective product. If the product is out of stock or on backorder it can either be replaced with a comparable product of equal value/feature set (if available) or repaired.

Your warranty begins at receipt of product (as confirmed by shipping firm tracking). If tracking information is unavailable for any reason, the warranty will commence 30 days ARO (After Receipt of Order). The warranty coverage continues for 10 years.

Red Tape

AVPro Edge is not responsible for untraceable purchases or those that were made outside of an authorized channel.

If we conclude that a product or serial number has been tampered with as identified by warranty seal or physical examination, the warranty will be void. Additionally, excessive physical damage (beyond normal wear & tear) the warranty may be voided or prorated based on the extent of the damage as examined by an AVPro Edge representative.

Damage caused by “acts of God” are not covered. They can include natural disasters, power surges, storms, earthquakes, tornadoes, sink holes, typhoons, tidal waves, hurricanes, or any other uncontrollable event related to nature.

Damage caused by incorrect installation will not be covered. Incorrect power supply, inadequate cooling, improper cabling, inadequate protection, and static discharge are examples of this.

Products installed or sold by a third party to AVPro Edge will be serviced by the authorized AVPro Edge reseller. Accessories (IR cables, RS-232, power supplies, etc.) are not included in the warranty. We will make acceptable efforts to source and supply replacements for defective accessories at a discounted rate as needed.

Obtaining an RMA

Dealers, resellers, and installers can request an RMA from an AVPro Edge Technical Support Representative or their Sales Engineer. You may also email support@avproedge.com or fill out the general contact form at avproedge.com/contact. End users may not request an RMA directly from AVPro Edge and will be referred back to their dealer, reseller, or installer.

Shipping

For USA (not including Alaska and Hawaii), shipping is covered on advanced replacements for FedEx Ground (some expressed exceptions may apply). Defective product return shipping is covered by AVPro Edge using an emailed return label. Items must be returned within 30 days of receipt of the replacement product, after 30 days, the customer will be billed. Other return shipping methods will not be covered.

For international (including Alaska and Hawaii), return shipping costs will be the responsibility of the returnee. Once the unit is scanned for return shipping, AVPro Edge will ship the new unit for replacement.

Limitation on Liability

The maximum liability of AVPro Global Holdings LLC under this limited warranty shall not exceed the actual purchase price paid for the product. AVPro Global Holdings LLC is not responsible for direct, special, incidental, or consequential damages resulting from any breach of warranty or condition, or under any other legal theory to the maximum extent permitted by law. Taxes, Duties, VAT, and freight forwarding service charges are not covered or paid for by this warranty.

Obsolescence or incompatibility with newly invented technologies (after manufacture of product) is not covered by this warranty. Obsolescence is defined as:

“Peripherals are rendered obsolete when current technology does not support product repair or re-manufacture. Obsolete products cannot be re-manufactured because advanced technologies supersede original product manufacturer capabilities. Because of performance, price and functionality issues, product redevelopment is not an option.”

Discontinued or out-of-production items will be credited at fair market value towards a current product of equal or comparable capabilities and cost. Fair market value is determined by AVPro Edge.

Exclusive Remedy

To the maximum extent permitted by law, this limited warranty and the remedies set forth above are exclusive and in lieu of all other warranties, remedies, and conditions, whether oral or written, express or implied. To the maximum extent permitted by law, AVPro Global Holdings LLC specifically disclaims any and all implied warranties, including, without limitation, warranties of merchantability and fitness for a particular purpose. If AVPro Global Holdings LLC cannot lawfully disclaim or exclude implied warranties under applicable law, then all implied warranties covering this product, including warranties of merchantability and fitness for a particular purpose, shall apply to this product as provided under applicable law.

This warranty supersedes all other warranties, remedies, and conditions, whether oral or written, express or implied.