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# **ALF-EXT60IR-18G**

**18G HDMI 2.0 HDMI Extender Set over**

**CAT5e/CAT6**

## Statement

Thanks for purchasing this product, please read this user manual carefully before using this product. The functions described in this version are updated till December, 2019. In the constant effort to improve our product, we reserve the right to make functions or parameters changes without notice or obligation.

## Safety Precaution

- Do not dismantle the housing or modify the module to avoid electrical shock or burn.
- Using supplies not meeting the products' specifications may cause damage, deterioration or malfunction.
- Do not expose the unit to rain, moisture or install this product near water.
- Install the device in a place with fine ventilation.
- Do not twist or pull by force ends of the optical cable. It can cause malfunction.
- Do not use liquid or aerosol cleaners to clean this unit.
- Always unplug the power to the device before cleaning.
- Unplug the power when not used for a long period of time.
- Refer all servicing to qualified service personnel.

## Product Introduction

The EXT60IR-18G is a cost-effective point-to-point extender set for HDMI 2.0 and IR signals; this kit supports 4K/UHD video @ 60 Hz with 4:4:4 Chroma sampling, as well as HDMI data rates up to 18 Gbps, HDCP 2.2 compliant; It provides HDMI transmission up to 230 feet (40 meters) for 4K@60Hz 4:4:4 or 1080p, over single CAT5e/6 cable. It supports video resolution down-scaling, the 4K input can be automatically downscale to 1080p output for compatibility with 1080p display.

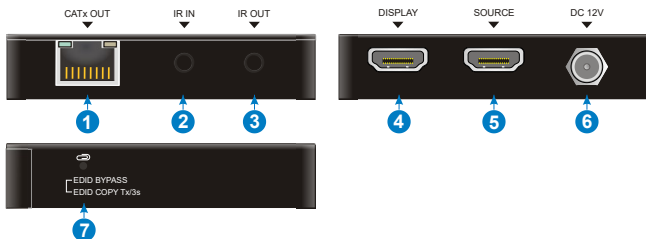
## Product Features

- Supports HDMI 2.0, up to 4K@60Hz 4:4:4, HDR, 18G, HDCP 2.2.
- Extends 4K or 1080p HDMI signal up to 230 feet (70m) over a single CAT5e/6 cable.
- HDMI loop out on transmitter.
- Bi-directional IR pass-through.
- Supports video resolution down-scaling, the 4K input can be automatically degraded to 1080p output on receiver for compatibility with legacy 1080p display device.
- Features visually lossless compression with no latency.
- EDID pass-through.
- Compact design, easy to install and simple to operate.

## Package Contents

- 1x Transmitter (Tx)
- 1x IR Receiver
- 1x Power Adaptor (12V DC 1A)
- 1x User Manual
- 1x Receiver (Rx)
- 1x IR Emitter
- 2x Velcro Tape

## Transmitter Panel Description



- CATx OUT:** RJ45 port to connect the CATx IN port of receiver by CATx cable. It supports 12V PoC to power the receiver. The orange LED illuminates when there is a valid HDMI signal input. The green LED illuminates when power is applied.
- IR IN:** 3.5mm mini jack to connect IR receiver for IR pass-through.
- IR OUT:** 3.5mm mini jack to connect IR emitter for IR pass-through.
- DISPLAY:** Type-A female HDMI port to connect HDMI display device.
- SOURCE:** Type-A female HDMI port to connect HDMI source device.
- DC 12V:** DC connector for the power adapter connection.
- EDID Management:** Press the button with paper clip or other sharp tool to set EDID bypass mode, or press and hold it for 3 seconds to copy the EDID from the display device.

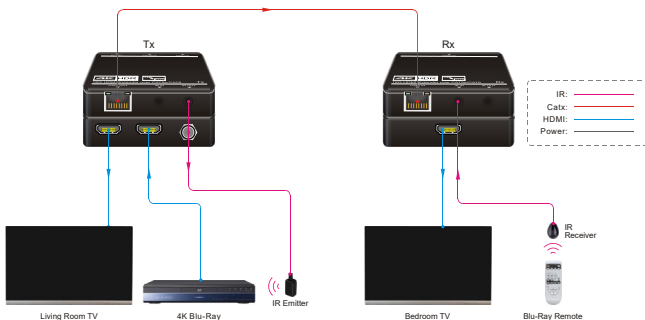
**Note:** Press and hold the button while powering off, and then release it after 5 seconds of power on to restore the default setting: The source device learns EDID from the TV which has the lowest resolution.

## Receiver Panel Description



- 1. DISPLAY:** Type-A female HDMI port to connect HDMI display device.
- 2. CATx IN:** RJ45 port to connect the CATx OUT port of transmitter by CATx cable. It supports 12V PoC and the receiver can be powered from the transmitter. The orange LED illuminates when there is a valid HDMI signal input. The green LED illuminates when power is applied.
- 3. IR IN:** 3.5mm mini jack to connect IR receiver for IR pass-through.
- 4. IR OUT:** 3.5mm mini jack to connect IR emitter for IR pass-through.

## Connection Diagram



## Specifications

<b>Transmitter</b>	
Input	(1) SOURCE
Input Connector	(1) 19-pin type-A female HDMI
Output	(1) DISPLAY, (1) CATx OUT
Output Connector	(1) 19-pin type-A female HDMI, (1) RJ45
Control	(1) IR IN, (1) IR OUT
Control Connector	(2) 3.5mm mini jacks
<b>Receiver</b>	
Input	(1) CATx IN
Input Connector	(1) RJ45
Output	(1) DISPLAY
Output Connector	(1) 19-pin type-A female HDMI
Control	(1) IR IN, (1) IR OUT
Control Connector	(2) 3.5mm mini jacks
<b>General</b>	
Video Resolution	Up to 4K@60Hz 4:4:4, HDR
Transmission Distance	4K/1080p ≤ 70 meters (230ft)
HDMI Version	Up to HDMI 2.0
HDCP Version	Up to HDCP 2.2. The HDCP of output follows the HDCP version of display device.
EDID Pass-through	Supported.
Power Supply	Input: 100VAC~240VAC, 50/60Hz; Output: 12VDC 1A
Power Consumption	4W (Max)
Operation Temperature	-5~55°C
Storage Temperature	-25~70°C
Relative Humidity	10%-90%
Dimensions (W*H*D)	80mm x 16.8mm x 80mm
Net Weight	Tx/Rx: 70g

**1. Limited warranty in respect of Alfatron Products Only**

1.1 This limited warranty covers defects in materials and workmanship in this product.

1.2 Should warranty service be required, proof of purchase must be presented to the Company. The serial number on the product must be clearly visible and not have been tampered with in any way whatsoever.

1.3 This limited warranty does not cover any damage, deterioration or malfunction resulting from any alteration, modification, improper or unreasonable use or maintenance, misuse, abuse, accident, neglect, exposure to excess moisture, fire, improper packing and shipping (such claims must be presented to the carrier), lightning, power surges, or other acts of nature. This limited warranty does not cover any damage, deterioration or malfunction resulting from the installation or removal of this product from any installation, any unauthorized tampering with this product, any repairs attempted by anyone unauthorized by the Company to make such repairs, or any other cause which does not relate directly to a defect in materials and/or workmanship of this product. This limited warranty does not cover equipment enclosures, cables or accessories used in conjunction with this product.

This limited warranty does not cover the cost of normal maintenance. Failure of the product due to insufficient or improper maintenance is not covered.

1.4 The Company does not warrant that the product covered hereby, including, without limitation, the technology and/or integrated circuit(s) included in the product, will not become obsolete or that such items are or will remain compatible with any other product or technology with which the product may be used.

1.5 Only the original purchaser of this product is covered under this limited warranty. This limited warranty is not transferable to subsequent purchasers or owners of this product.

1.6 Unless otherwise specified, the goods are warranted in accordance with the manufacturer's product specific warranties against any defect attributable to faulty workmanship or materials, fair wear and tear being excluded.

1.7 This limited warranty only covers the cost of faulty goods and does not include the cost of labor and travel to return the goods to the Company's premises.

1.8 In the event of any improper maintenance, repair or service being carried out by any third persons during the warranty period without the Company's written authorization, the limited warranty shall be void.



1.9 A 7 (seven) year limited warranty is given on the aforesaid product where used correctly according to the Company's instructions, and only with the use of the Company's components.

1.10 The Company will, at its sole option, provide one of the following three remedies to whatever extent it shall deem necessary to satisfy a proper claim under this limited warranty:

1.10.1 Elect to repair or facilitate the repair of any defective parts within a reasonable period of time, free of any charge for the necessary parts and labor to complete the repair and restore this product to its proper operating condition.; or

1.10.2 Replace this product with a direct replacement or with a similar product deemed by the Company to perform substantially the same function as the original product; or

1.10.3 Issue a refund of the original purchase price less depreciation to be determined based on the age of the product at the time remedy is sought under this limited warranty.

1.11 The Company is not obligated to provide the Customer with a substitute unit during the limited warranty period or at any time thereafter.

1.12 If this product is returned to the Company this product must be insured during shipment, with the insurance and shipping charges prepaid by the Customer. If this product is returned uninsured, the Customer

assumes all risks of loss or damage during shipment. The Company will not be responsible for any costs related to the removal or re-installation of this product from or into any installation. The Company will not be responsible for any costs related to any setting up this product, any adjustment of user controls or any programming required for a specific installation of this product.

1.13 Please be aware that the Company's products and components have not been tested with competitor's products and therefore the Company cannot warrant products and/or components used in conjunction with competitor's products.

1.14 The appropriateness of the goods for the purpose intended is only warranted to the extent that the goods are used in accordance with the Company's installation, classification and usage instructions.

1.15 Any claim by the Customer which is based on any defect in the quality or condition of the goods or their failure to correspond with specification shall be notified in writing to the Company within 7 days of delivery or (where the defect or failure was not apparent on reasonable inspection by the Customer) within a reasonable time after discovery of the defect or failure, but, in any event, within 6 months of delivery.

1.16 If delivery is not refused, and the Customer does not notify the Company accordingly, the Customer may not reject the goods and the

Company shall have no liability and the Customer shall pay the price as if the goods had been delivered in accordance with the Agreement.

1.17 THE MAXIMUM LIABILITY OF THE COMPANY UNDER THIS LIMITED WARRANTY SHALL NOT EXCEED THE ACTUAL PURCHASE PRICE PAID FOR THE PRODUCT.