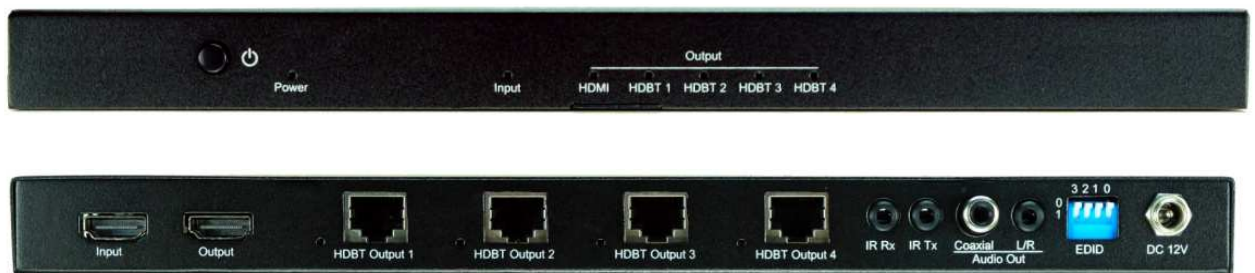


875240 HDBaseT / HDMI Splitter 1x4

User Manual



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

SURGE PROTECTION DEVICE RECOMMENDED

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

SAFETY AND NOTICE

1. The transmission distances of HDMI over UTP cables are measured using TE CONNECTIVITY 1427071-6
2. **EIA/TIA-568-B termination (T568B) for CAT cables (AWG 24/1) is recommended for better performance.**
3. **DO NOT use 568A/568B standard mixed CAT cable** (cross-over cable) because there are 2 pairs swapped, this will make POE OVER-CURRENT and damage POE components. Please use straight-through CAT cable (both RJ45 headers are 568A or 568B standard).
4. It is recommended that power up the device after connections of source, sink and CAT cable.
5. To reduce the interference among the unshielded twisted pairs of wires in CAT cable, do not run HDBaseT / Zone Cat5e/6/6a cabling with or in close parallel proximity to mains power cables. Shielded CAT cables can be used to improve EMI problems, which is worsen in long transmission.
6. Because the quality of the CAT cables has the major effect on how long the transmission limit can achieve and how good is the received picture quality, the actual transmission range is subject to one's choice of CAT cables.
7. **Do not substitute or use any other Power Supply other than the enclosed unit, or a TLS approved Replacement Part. Doing so will void the warranty and potentially expose the user to dangerous voltages resulting in an electrical shock.**
8. Do not disassemble the device for any reason. Doing so will void the manufacturer's warranty. Also, our unique case is an integral part of

the design of this unit and is responsible for cooling and circuitry shielding. Any modifications to this case will potentially cause malfunction and product failure.

9. Do not expose the device to water, moisture, or liquids. Possible electric shock may result the unit to operate.

Table of Contents

1. Introduction.....	4
2. Features.....	4
3. Panel Descriptions.....	5
4. DIP Switcher EDID Setting.....	6
5. Application Diagram.....	7
6. Specifications.....	8
7. Package Contents.....	8
8. Maintenance.....	9
9. Warranty Policy.....	9
10. Limitations of Warranty.....	9
11. Exclusive Remedies.....	10
12. RMA Policy.....	10

Introduction:

The 875240 HDBaseT / HDMI Splitter is a HDBaseT Distribution Amplifier and splits a single HDMI or DVI audio/video source to 4 HDBaseT outputs and 1 HDMI local output. The HDMI output can be used to monitor local displays or cascade up to 6 times with additional 875240 HDBaseT / HDMI Splitter. It supports 1080p Full HD up to 4K@30Hz UHD plus all 3D formats, along with multichannel digital audio formats such as Dolby® True HD and DTS-HD® Master Audio™. Embedded audio extractors can extract the audio and output via L/R and Coaxial. Based on HDBaseT Lite chipset inside, the output distance can reach up to 70m via Cat5e/6/7 (**AWG24/1**).

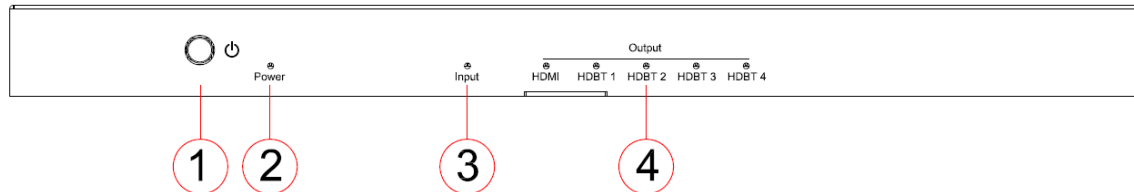
TLS HDBaseT PoH Receiver is recommended to utilize the full function of the HDBaseT outputs of this device. (Not included)

Features:

- Supports resolutions up to 1080p@60Hz, 4K@30Hz, 36-bit deep color
- Full 3D pass- through.
- Splits a HDMI source to 4 HDBaseT outputs and 1 HDMI output without loss
- Supports **cascading** via HDMI OUT, **up to 6 times**
- HDBaseT Lite chipset inside for the output distance up to 70m for 1080P, 40m for 4K.
- Power the remote receivers, with PoH (Power over HDBaseT), no power supply needed for the receivers (**only TLS receivers!**).
- Extract the audio from HDMI source via analog and digital outputs.
- Dolby TrueHD and DTS-HD master audio pass through HDMI output
- Advanced EDID management for rapid integration of sources and displays
- LEDs for power-on and outputs indication.
- Bi-directional IR supported.
- Easy installation with rack-mounting ears
- Small compact size
- HDCP compliant

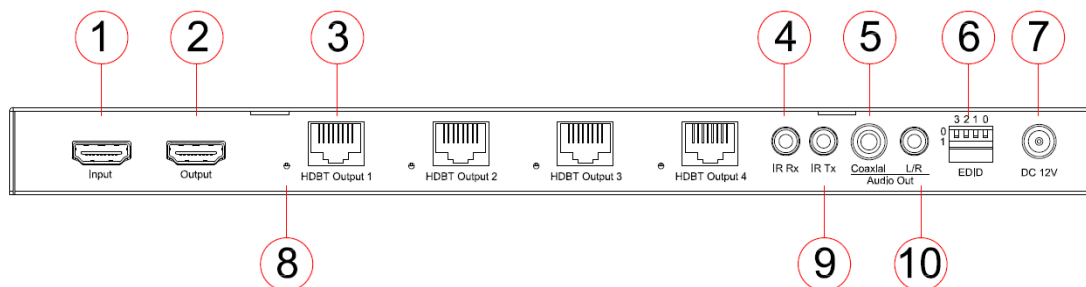
Panel Descriptions

Front Panel



1. Power Push Button --- push to enter standby mode
2. Power LED Indicator --- Indicate the status of the power for the unit.
3. Input LED Indicator --- Indicate the status of the input for the unit.
4. Output LED Indicator --- Indicate the status of the output for the unit.

Back Panel



1. HDMI Input --- Connect to HDMI source.
2. HDMI Output --- Connect to local displays or cascade with additional 875240 HDMI/HDBaseT Splitter 1x4.
3. HDBT Outputs 1 to 4--- Connect to HDBaseT receivers for remote displays.
4. IR RX--- 3.5mm stereo phone-jack, connect to IR receiver cable.
5. Coaxial Audio Output--- RCA connector, extract audio from HDMI input.
6. DIP Switcher--- EDID management.
7. Power Port--- Use included 12V/5A DC adaptor to power the unit.

8. HDBaseT Link LED Indicator 1 to 4--- Blue light for link, no light for no connection.
9. IR TX--- 3.5mm mono phone-jack, connect to IR transmitter cable.
10. L/R Audio Out ---3.5mm stereo phone-jack, extract audio from HDMI input, will mute if multichannel audio

DIP Switches EDID Setting: (3 – 2 - 1 – 0)

[DIP]=0000: Copy EDID From Output1, i.e., EDID pass through

[DIP]=0001: HDMI 1080p@60Hz, Audio 2CH PCM

[DIP]=0010: HDMI 1080p@60Hz, Audio 5.1CH PCM/DTS/DOLBY

[DIP]=0011: HDMI 1080p@60Hz, Audio 7.1CH PCM/DTS/DOLBY/HD

[DIP]=0100: HDMI 1080i@60Hz, Audio 2CH PCM

[DIP]=0101: HDMI 1080i@60Hz, Audio 5.1CH PCM/DTS/DOLBY

[DIP]=0110: HDMI 1080i@60Hz, Audio 7.1CH PCM/DTS/DOLBY/HD

[DIP]=0111: HDMI 1080p@60Hz/3D, Audio 2CH PCM

[DIP]=1000: HDMI 1080p@60Hz/3D, Audio 5.1CH PCM/DTS/DOLBY

[DIP]=1001:

HDMI 1080p@60Hz/3D, Audio 7.1CH PCM/DTS/DOLBY/HD

[DIP]=1010: HDMI 4K2K, Audio 2CH PCM

[DIP]=1011: HDMI 4K2K, Audio 5.1CH PCM/DTS/DOLBY

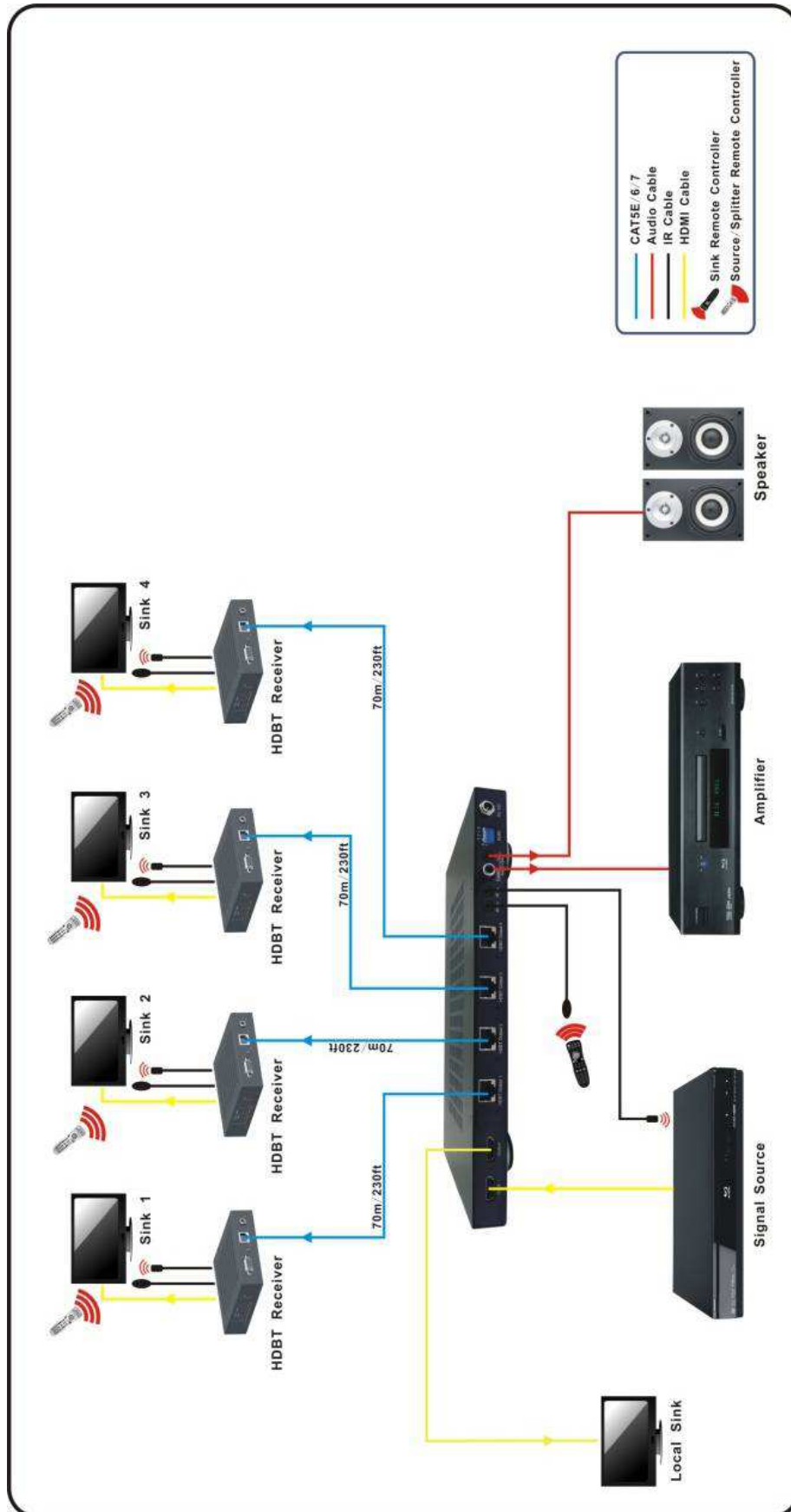
[DIP]=1100: HDMI 4K2K, Audio 7.1CH PCM/DTS/DOLBY/HD

[DIP]=1101: DVI 1280x1024@60Hz, Audio None

[DIP]=1110: DVI 1920x1080@60Hz, Audio None

[DIP]=1111: DVI 1920x1200@60Hz, Audio None

Application Diagram



Specifications

Bandwidth	2.97Gbps per color
Video Input Connectors	1x HDMI Type A, 19-pin, female
Video Output Connectors	1x HDMI Type A, 19-pin, female, 4XRJ45
Audio Output Connectors	1x RCA(SPDIFF), 1x 3.5mm stereo jack (L/R)
EDID	4-PIN DIP Switch or pass through from OUT1
IR Input Ports	1x 3.5mm stereo jack
IR Output Ports	1x 3.5mm mono jack
Dimensions(W x D x H)	262mm x 145mm x 22mm, without feet
Shipping Weight	0.9KG
Operating Temperature	32°F to 104°F (0°C to 40°C)
Storage Temperature	- 4°F to 140°F (- 20°C to 60°C)
Power Supply	12V/5A DC

Package Contents:

1. 875240 HDMI / HDMI / HDBaseT Splitter 1x4
2. 1x 12V/5A DC power supply
3. 1x IR Transmitter cable.
4. 1x IR Receiver cable.
5. 2x Mounting ears.

Maintenance

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner or benzene to clean this unit.

Warranty Policy

TLS electronics GmbH products are warranted against defects in material and workmanship for two years from the date of shipment. During the warranty period, TLS will, at its option, repair or replace products that prove to be defective. Repairs are warranted for the remainder of the original warranty or a 90 day extended warranty, whichever is longer.

For equipment under warranty, the owner is responsible for freight to TLS electronics GmbH and all related customs, taxes, tariffs, insurance, etc. TLS is responsible for the freight charges only for return of the equipment from the factory to the owner. TLS will return the equipment by the same method (i.e., Air, Express, Surface) as the equipment was sent to TLS.

All equipment returned for warranty repair must have a valid RMA number issued prior to return and be marked clearly on the return packaging. TLS electronics GmbH strongly recommends all equipment be returned in its original packaging.

TLS's obligations under this warranty are limited to repair or replacement of failed parts, and the return shipment to the buyer of the repaired or replaced parts.

Limitations of Warranty

The warranty does not apply to any part of a product that has been installed, altered, repaired, or misused in any way that, in the opinion of TLS electronics GmbH, would affect the reliability or detracts from the performance of any part of the product, or is damaged as the result of use in a way or with equipment that had not been previously approved by TLS.

The warranty does not apply to any product or parts thereof where the serial number or the serial number of any of its parts has been altered, defaced, or removed.

The warranty does not cover damage or loss incurred in transportation of the product.

The warranty does not cover replacement or repair necessitated by loss or damage from any cause beyond the control of TLS electronics GmbH, such as lightning or other natural and weather related events or wartime environments.

The warranty does not cover any labor involved in the removal and or reinstallation of warranted equipment or parts on site, or any labor required to diagnose the necessity for repair or replacement.

The warranty excludes any responsibility by TLS electronics GmbH for incidental or consequential damages arising from the use of the equipment or products, or for any inability to use them either separate from or in combination with any other equipment or products.

A fixed charge established for each product will be imposed for all equipment returned for warranty repair where TLS electronics GmbH cannot identify the cause of the reported failure.

Exclusive Remedies

TLS electronics GmbH's warranty, as stated is in lieu of all other warranties, expressed, implied, or statutory, including those of merchantability and fitness for a particular purpose. The buyer shall pass on to any purchaser, lessee, or other user of TLS products, the aforementioned warranty, and shall indemnify and hold harmless TLS from any claims or liability of such purchaser, lessee, or user based upon allegations that the buyer, its agents, or employees have made additional warranties or representations as to product preference or use.

The remedies provided herein are the buyer's sole and exclusive remedies. TLS electronics GmbH shall not be liable for any direct, indirect, special, incidental, or consequential damages, whether based on contract, tort, or any other legal theory.

RMA Policy

When returning product to TLS electronics GmbH for any reason, the customer should fill out the official RMA form to obtain a RMA number. Without the permission or approval, TLS will be no responsible for any return.

This can be initiated by emailing or calling your related sales.

All requests are processed within 48 hours.

Standard Replacement

For customers that agree to return defective product to TLS electronics GmbH first, a Standard Replacement option is available.

An RMA number must first be issued by sales. This RMA number will need to be referenced on the outside of the return shipment.



Upon receipt of the defective product, TLS electronics GmbH will, at its discretion, either repair or replace the product and ship it out in the most expeditious manner possible. Subject to availability, the replacement product will be shipped on the business day following receipt of the defective product.

In the event the product returned to TLS electronics GmbH has been discontinued (i.e. the product is no longer being manufactured by TLS but is still under warranty), TLS will, at its discretion, either repair or replace with recertified product.

Once you have obtained an RMA number:

After obtaining an RMA number from TLS electronics GmbH, you must send the product – freight prepaid – to TLS. The TLS RMA number must be prominently displayed on the outside of your package. If you send your product to TLS without the RMA number prominently displayed on the outside of the package, it will be returned to you unopened.

Please use a shipping company that can demonstrate proof of delivery. TLS electronics GmbH does not accept responsibility for any lost shipments unless proof of delivery to TLS is provided.

Please note:

Product shipped to TLS electronics GmbH must be properly packaged to prevent loss or damage in transit.

Shipping your RMA to TLS using regular mailing envelopes is not acceptable, as they do not protect the product from damage during shipping.

TLS will not repair or replace a module that is shipped in such a way that the product is not properly protected.

TLS electronics GmbH will not accept any product that has been damaged as a result of accident, abuse, misuse, natural or personal disaster, or any unauthorized disassemble, repair or modification.