



TRIAX

connecting the future



4K HD Distribution

UHD Video, Audio, Control and PoH for Residential and Commercial Solutions



New 4K HDBaseT™ HD Distribution range including 4x4, 6x6 and 8x8 matrices with local HDMI mirrored outputs.



triax.com/in-house-connectivity

HD Distribution and Control Made Easy



With the growth of 4K displays in the residential sector, consumers are seeking better ways to seamlessly distribute content discreetly throughout the home.

New 4K HDBaseT™ technology enables uncompressed full HD video, audio, control and PoH to be distributed over a low cost infrastructure.

As a leading supplier to the multimedia sector, we offer a full range of 4K HD Distribution solutions via HDBaseT™ technology.

Residential

- Point to Point (access content, live view and control your DVR, including recorded programmes, from a second location) with a transmitter and receiver
- Centrally located source equipment can be accessed independently throughout the home enabling each location to view different programmes (for example, a maximum of 8 sources can be centrally located and controlled independently) with a matrix



Commercial

Retail

- Ultra slim splitters to enable 4K HD Distribution to, for example, sales of 4K displays in a retail environment

Sports Bars

- Transmitter and receiver to distribute 4K content from a 4K source to multiple locations. An ideal solution for sports bars promoting 4K content

Protect your clients 4K investment

From 4K TV's to matrices, many solutions both previously and still being installed have been designed to meet the HDCP 1.4 standard for 4K Ultra HD content.

However, as new generation 4K source devices, such as blu ray players and streaming services adopt HDCP 2.2, the 4K content may not play, for example, on legacy 4K TV's and matrices.

TRIAX have addressed this issue and introduced a HDCP 2.2 to 1.4 Converter which is a quick and easy to install solution and can help protect your clients existing 4K investment.

The THC22 HDCP Converter enables equipment compatibility with next generation 4K HDCP 2.2 source devices, displays and content.



Selection of the best

HDCP CONVERTER
MATRIX
TRANSMITTER
RECEIVER
SPLITTER



Our new HD Distribution Range features the latest HD distribution technology with impressive features including 4K Support, HDBaseT™ convergence and PoH.

- **HDCP CONVERTER**
Enables legacy 4K TV's to work with the latest HDCP2.2 sources.
- **MATRIX** switch offering the ultimate solutions in multi-room distribution of HD video, audio, IR and control signals.
- **TRANSMITTER** for HDMI signals via CAT cable with PoH. Built-in HDMI loop
- **RECEIVER** for receiving HDMI, IR & RS232 with PoH.
- **SPLITTER** ultra-slim design. Delivering 4K with Smart EDID management.

Residential Solutions

Point-to-point

4K Transmitter

The HTX 1H1LP4K Transmitter is ideal for use in residential point to point applications.

The transmitter converts HDMI signals to HDBaseT™ and distributes via the RJ45 output.

A HDMI mirrored output can be connected to the local display, negating the need for additional equipment and power points. The transmitter also provides power and enables full IR and various bi-directional control signals to transparently pass through from the receiver.

A HDMI Loop allows this transmitter to be inserted between the main HD source and the TV.

HTX 1H1LP4K

Art. No. 310040

HTX 1H1LP4K is a 4K HDBaseT™ transmitter with 1 x HDBaseT™ output plus 1 x HDMI output.

- Integrated with HDBaseT™ technology
- 4Kx2K @30Hz
- 1 x HDBaseT™ output with PoH
- 1 x HDMI output for local monitor/TV or cascading
- Addressable RS232 & Bi-directional IR to control display
- Locking power supply
- LEDs for status indication
- Smart EDID management

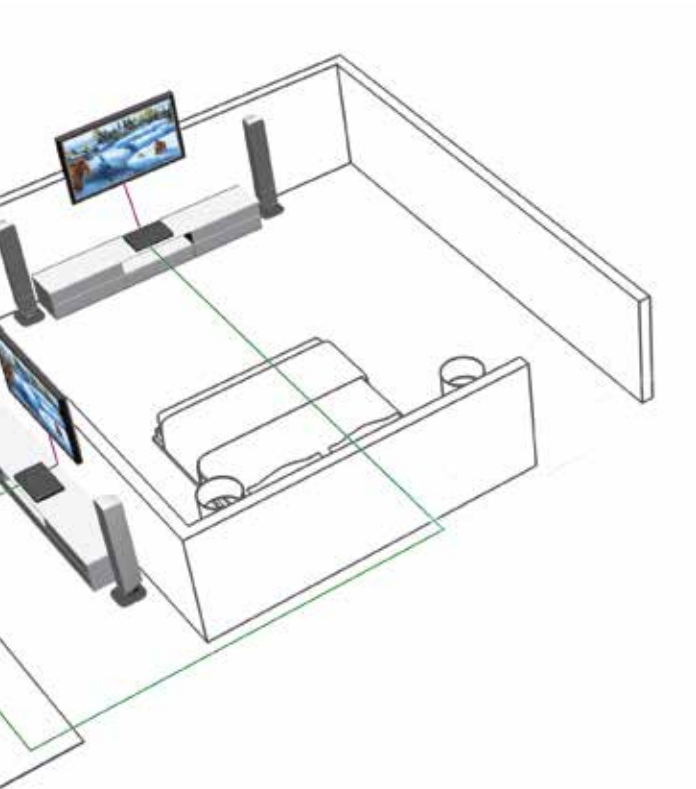
Private Home Solution



HTX 1H1LP4K Transmitter



HTX 1H1LP4K rearpanel



4K Receiver

The HRX Receiver is designed for use with both HTX transmitters and matrices in residential and commercial installations. A receiver will be required in all locations where secondary displays are situated and require access to content from the source.



HRX 1LP4K
Receiver



HRX 1LP4K rearpanel



HRX 1LP4K

Art. No. 310039

HRX 1LP4K is a HDBaseT™ receiver for HDMI, IR & RS232 with PoH.

Compatible with all Triax matrices and transmitters.

- Integrated with HDBaseT™ technology
- Supports HDMI 1.4, 3D & 4Kx2K @30Hz
- Bi-directional IR & RS232 PoH functionality
- CEC pass through and HDCP compatible
- Designed for efficient heat dissipation
- Locking power supply
- LEDs for status indication



Residential Solutions

Matrix switch



4K Matrix

The latest range of TRIAX 4K matrices are designed to distribute audio, HD/4K video, IR and command signals throughout the residential home from a central location to create the ultimate user experience.

The matrices are supported with drivers for Control 4, RTI and Elan, while the solution can also be incorporated with a Home Automation System.

COMMON FEATURES

- Supports HDMI 1.4, 4Kx2K & 1080p 3D
- HDCP 1.4 compliant
- Fast switching for instant display
- CEC pass through
- De-embedded digital and analogue audio available
- PoH functionality
- IR & RS232 call back from receiver
- Smart Bi-directional RS232
- Smart EDID management
- Smart Bi-directional IR
- LCD for status indication
- IR RS232 and TCP/IP control (on board GUI)
- IR ALL Out
- Integrated power supply for easier cable management (HMX 663LP4K and HMX 884LP4K only)

Home Solution



HMX 442LP4K

Art. No. 310037



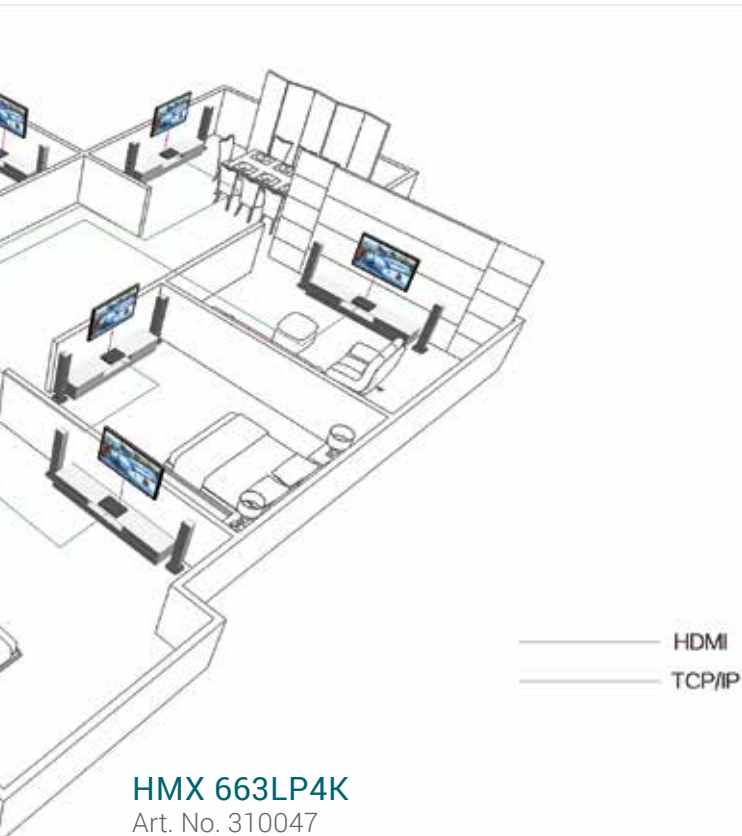
HMX 442LP4K rearpanel

4K  

Control using iPhone and iPad

Our solutions can be controlled via iPhone, iPad and iPod Touch.

Triax command sets are compatible with leading 3rd Party Control Systems from Control 4, RTI, Elan and Demopad.

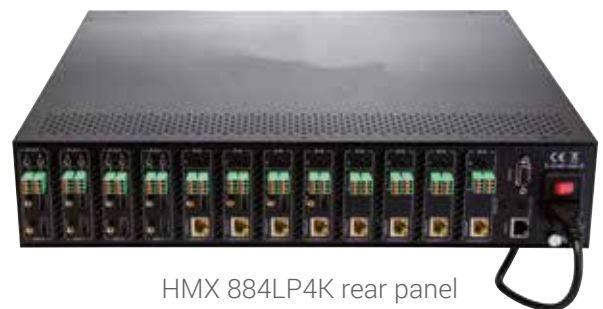


HMX 663LP4K
Art. No. 310047



HMX 663LP4K rear panel

HMX 884LP4K
Art. No. 310038



HMX 884LP4K rear panel

Commercial Solutions

Sports Bars

4K Transmitter

The HTX 1H4LP4K Transmitter is designed for use in commercial point to point applications.

The transmitter converts HDMI signals to HDBaseT™ and distributes 1080p up to 70 meters and 4K up to 40 meters via the RJ45 output.

A HDMI mirrored output can be connected to the local display, negating the need for additional equipment and power points. The transmitter also provides power and enables full IR and various bi-directional control signals to transparently pass through from the receiver.

The transmitter enables one programme to be viewed on 5 displays. The transmitter can be daisy chained a further twice to enable a maximum of 12 zones to be created making this a great solution for Sports Bars.

Use with the HRX 1LP4K Receiver (see page 5). A receiver will be required in all locations where secondary displays are situated and require access to content from the source.

Sports Bar Solution





HTX 1H4LP4K

Art. No. 310041

HTX 1H4LP4K is a 4K HDBaseT™ transmitter with 4 x HDBaseT™ outputs plus 1 x HDMI output.

- Integrated with HDBaseT™ technology, 4Kx2K @30Hz
- 4 x HDBaseT™ outputs with PoH
- 1 x HDMI output for local monitor/TV or cascading
- Addressable RS232 & Bi-directional IR to control display
- LEDs for status indication



HTX 1H4LP4K rearpanel

HRX 1LP4K RECEIVER

(see page 5)



Commercial Solutions

Retail



4K splitter

The Triax HDA Series of HD Distribution Amplifier Splitters consist of 2 and 4-way HDMI outputs.

These HD splitters can repeat a HDMI or DVI signal from one source to either two or four HDTV displays synchronously. The HDA Splitters automatically receive the EDID information from the HD displays within the installation (port 1).

Whether feeding 2 or 4 local displays via HDMI cables, these products offer a cost effective 4K solution.

Ideal for use in retail television sales environment.

HDA 1X2S4K

Art. No. 310051

- is a 1x2 HDMI splitter



- Ultra-slim and compact design
- Easy cable management
- Optional wall mount via supplied brackets
- HDCP 1.4 compliant, transmission to 1080p, 3D, 4Kx2K@30Hz, high bandwidth up to 10.2Gbps
- Cascade up to 3 times with HDMI equalisation
- LED indicators show when a HDMI source is input or when a HDMI connection is made with a sink device
- Hot plug without loss of picture
- SMART EDID management automatically adopts the EDID of the first detected display
- Low power consumption

HDA 1X4S4K

Art. No. 310052

- is a 1x4 HDMI splitter



4K



HDCP Converter

The Triax THC 22 HDCP converter is designed for use with new HDCP 2.2 Source equipment to be installed in an existing installation not HDCP 2.2. compatible.



THC 22 HDCP

Art. No. 310054

THC 22 HDCP is a HDMI Converter with unique ultra-slim design. It supports 4K resolution and HDCP 1.4.

- HDMI high-definition straight-through transmission
- HDCP conversion and EDID bypass functionality
- HDMI "IN" port supports HDMI 2.0 & HDCP 2.2 and is backward compatible with all previous HDMI standards
- HDMI "OUT" port converts from HDMI 2.0, HDCP 2.2 down to HDMI 1.4 & HDCP 1.4 respectively.
- Signal transmission 4kx2k@60Hz up to 15m, 1080p 20m

HDBaseT™ - An All-in-One Solution - single cable/connector for multimedia distribution:

- ❑ No more cable clutter – fewer cables and less mess
- ❑ Distance no longer an issue – connect equipment up to 70m for 1080p apart with Cat 6 cable. HDBaseT™ provides point to point connectivity and multimedia distribution with higher reliability, longer distance and lower cost
- ❑ Low cost cables such as Cat 5e/6 can deliver high quality 4K resolution to displays up to 40m, 70m away for 1080p away
- ❑ Utilises standard RJ45 connectors
- ❑ Uncompressed video/audio up to 10.2 Gbps
- ❑ Power over HDBaseT™ (PoH) send power simultaneously through the feature set to power the receiver
- ❑ Supports HDCP 2.2 - 1.4
- ❑ Support for various controls while ensuring reliability and low latency
- ❑ USB support for software upgrades

Licence statements

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



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connecting the future

Contact

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Headquartered in Denmark, TRIAX is an international supplier of innovative, high-tech solutions for the reception and distribution of video, audio and data signals. The company's products and solutions are used by broadcasters, cable operators, local closed networks and domestic dwelling.

Triax has 9 sales subsidiaries generating a turnover of approx. €90M and operates in more than 60 distributor countries.

The TRIAX team consists of 350 employees and is owned Polaris Private Equity.

See www.triax.com for further info.

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