



TRIAx

connecting the future

Exceptional headends
for any installation

Proud heritage

Now including the all-new TDcH
compact headend



Trust the headend experts:
proudly innovating since 1949



Trust TRIAX Experts in headend technology

Proud heritage

With trailblazing technology at our core for over 70 years, we're proud of where we come from. And we're proud to keep innovating each day, connecting our customers to the future.

Our expanded headend range is the truest expression of our values of reliability and innovation.

And now, we have a headend to suit the requirements of every installation size and budget.

TV delivered your way

You know what your customers need, and our flexible headends make your choice easy. Whatever your preferred configuration, you can rest assured that each and every TRIAX headend guarantees the same quality TRIAX experience, saving you time and costs, and increasing your own customer loyalty.

Our headends are developed from the ground up at our headquarters in Denmark, with over 24,000 sold in the last decade alone.

Headend benefits



TIME SAVED

- No retuning of in-room TV sets
- Quick installation with pre-configured solutions
- Remote access to all your headend installations



COSTS SAVED

- Benefits through advanced technology
- End-to-end TRIAX hardware
- One point of contact, one stop shop
- A headend for every budget



LOYALTY INCREASED

- Outstanding reliability, reduced down time
- Remote access for quick configuration changes
- Smoothly integrated solutions



FUTURE READY

- Free software updates
- Modular (TDH 800 & TDX)
- Scalable (TDX)
- IPTV ready (TDX)



TDcH Compact Headend

- Decryption of satellite, cable and terrestrial signals
- Optimised channel setup with advanced multiplexing
- No need for retuning TV sets in rooms
- Pre-configured for quick installation and reduced costs

IN	OUT
DVB-S/S2 DVB-T/T2 DVB-C	QAM COFDM



TDH 800 Modular Headend

- Modular for high flexibility and individual requirements
- Separated input and output modules for easy upgrade
- HDMI and AV input modules available
- Modules for supporting old PAL TV sets

DVB-S/S2 DVB-T/T2 DVB-C HDMI AV	QAM COFDM PAL HD
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TDX Scalable Headend

- Top of the range: maximum flexibility and power
- Ready for IPTV solutions
- Scalable: combine up to 3 headends
- DRM integration for distributing premium content

DVB-S/S2 DVB-T/T2 DVB-C HDMI AV IP	QAM COFDM PAL HD IP
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For more features and specifications, visit triaux.com/headends.

Trust our customers

Our vision is to be the preferred connectivity partner to professionals. We take pride in our reliable products and outstanding service, but don't just take our word for it: here's what some of our customers have to say. Read more at triaux.com/references.

"We have been using TRIAX's reliable headend systems for several years. This has convinced us to also rely on TRIAX for subsequent projects."

Thomas Banhardt
Owner, Feldberger Hof, Germany

"TRIAX understands what is important. Their headends are recommended for their expandability combined with low maintenance effort."

Wolfgang Kerz
Antennentechnik Redmann GmbH



Advanced functionalities Focusing on benefits

High-end technology in all TRIAX headends

In everything we do, we are committed to our customers' success. That means looking at how we can develop advanced functionalities to the benefit of our customers, and through that connect the future.

In the new TDcH Compact Headend we have included three of the most popular functions from the high-end TDH and TDX modular headends. Functions that add value for everyone who uses or benefits from a headend – installers, installation owners like hotels, and the end user, the TV viewer.

Unique flexibility and efficiency: Multiplexing via IP Pool technology

TRIAX's innovative IP Pool technology initially loads all incoming signals into the IP Pool. From there they are fed to several output modules and then simultaneously converted into the required output signal.

Multiplexing takes place in two areas:

- At the output module
- At the CAM module (CI Interface)

By having multiplexing and IP Pool technology at the output module, it is possible to optimise the service line-up and only distribute the required channels.

Multiplexing combines services from different transponders to one output channel. This reduces the number of output services and through that the bandwidth capacity needed in the headend.

This is an advantage in large modular systems where you need to receive many services from different satellite positions and transponders, as it reduces the amount of output modulators (output cards) required. It is also a considerable advantage in a compact headend like TDcH where the service line-up can be optimised within the available input and output modules.

Multiplexing at the CAM module can be done in two ways: Service Mode and Transparent Mode. In Service Mode it is possible to decrypt services from different input transponders on the same CAM module. This reduces the number of CAM modules needed, thereby reducing the cost of the solution.

Choosing Transparent Mode sends one complete transport stream to one CAM module. This is a requirement from some operators as they also send updates to the CAM modules as part of the service transport stream.

Save time and costs: PID Management

Package Identifier (PID) Management saves time by ensuring a service change can be handled centrally in the headend without retuning any TV sets. And with saving time, costs are also saved.

PID Management ensures a new service is distributed with the same "Package Identifier" as the previous service and therefore no TV sets need to be retuned. Service update with PID Management is completely independent of the individual TV's technology.

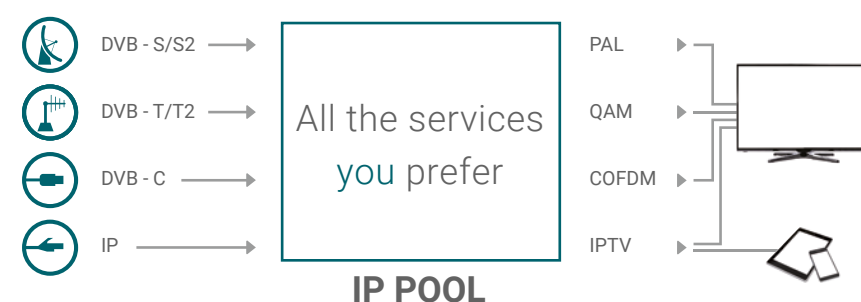
In hotels or other buildings with many TVs, this saves a lot of time as the alternative would be entering all

rooms for TV retuning and in doing that potentially disturbing guests. Having all TVs correctly tuned also reduces the risk of having to re-book guests due to complaints about missing TV services.

Better viewing experience: EPG Management

TVs display the Electronic Programme Guide (EPG) by reading the EPG data on each transponder. If the TV has not yet displayed a service from a given transponder, the corresponding EPG data is not loaded. This will result in blank lines on the programme guide.

With EPG Management in TRIAX headends, the EPG information of all services can be sent on every transponder. Therefore a hotel guest can view a complete electronic programme guide directly after turning on the TV. In other words, the TV viewer has a better TV experience.



* Input and output options vary on the different headend models.





New headend platform

Compact excellence. Infinite opportunities.

New product with the latest technology

The new TDcH is built on a cutting edge new platform where many functions are software-based. This software platform benefits customers as they will be able to upgrade their already installed TDcH with new software releases and thereby always have the latest functions available.

” TRIAX headends are the truest expression of our values of reliability and innovation. “

...says Peter Lyhne Uhrenholt, TRIAX CEO.
“We’re proud to be headend experts, devoting ourselves to their development for over 20 years.

We are excited to see our vision for this new platform really come to life with this second wave of new versions and features. It not only gives customers a wider variety of models to choose from but also allows existing customers to benefit from continually added features.”

In the new TDcH we have not only included popular functions from the high-end TDX headend like Multiplexing via IP Pool technology, PID and EPG management, but also new features like an integrated SCR multiswitch and multiple language service function.

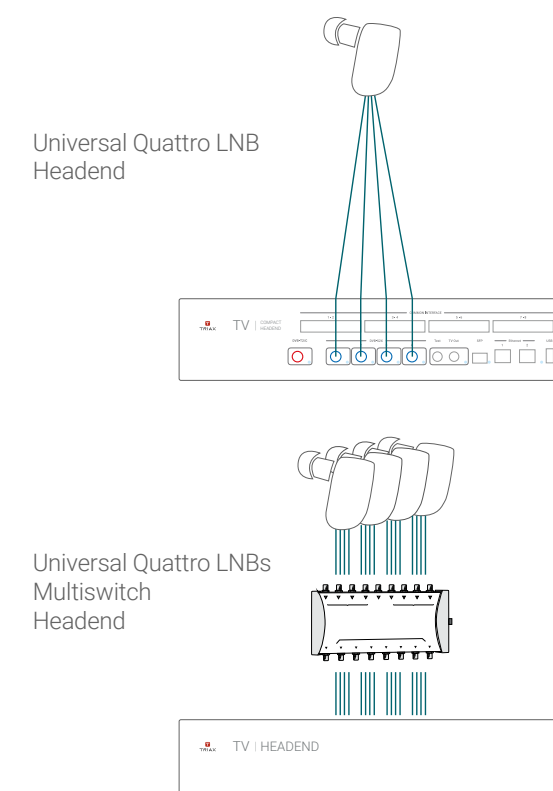
Integrated SCR Multiswitch*

- Increases the number of satellite positions that can be received in the TDcH
- Increases the number of international TV services that can be distributed
- Save time, cost and space with less cabling and no need for an external multiswitch
- Reduced hardware for a cost optimised and compact solution

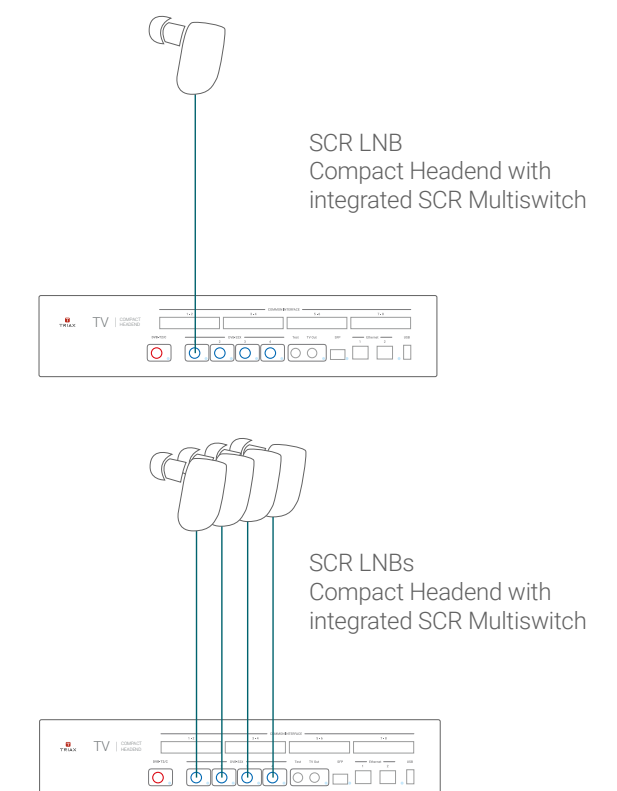
Multiple language service

- Allows for multiple distributions of a service with multiple audio (language) tracks
- User friendly: services will be available on TVs as individual channels without the user having to change language settings

Classic setup with multiple cables and external multiswitch



TRIAx TDcH with integrated SCR Multiswitch



Note: *) Software update available September 2021

Infinite possibilities





TRIAX

connecting the future

Contact

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Explore TRIAX headends

triax.com/headends

TRIAX is a global supplier of reliable, innovative products and solutions for the reception and distribution of video, audio and data signals.

Our Products are used in homes, businesses and operator networks by broadcasters, satellite, cable and telecom operators.

Our Solutions combine our hardware and software expertise to deliver value to hospitality and related markets, through a partner network of system integrators, large installers and operators.

TRIAX's headquarters, production and R&D base is in Denmark. With 9 international sales subsidiaries we operate in more than 60 distributor countries. In 2021 TRIAX merged with Ikusi Multimedia to form a combined company of 300 employees jointly owned by Polaris Private Equity and Velatia Group. See www.triax.com for further info.

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