



Triax satellite dishes

Let Triax deliver your satellite dish solution
and the sky is unlimited



- your ultimate connection

How to save costs, time and trouble on your next satellite project. And the next ...



However, if you want to enjoy the benefits of working with Triax right away, simply get in touch with us now – and introduce us to your current project (Triax contact info is on the back cover).

Generally speaking, no matter which type of project or challenge you are currently facing, working with us gives you an instant competitive edge in your market. More than 60 years of hands-on experience and know-how in the field of aerials, and for the last 20+ years receivers and satellite dishes, will be on your side helping your business prosper.

As a broadcaster, operator or installer you are probably more than familiar with the technology, the possibilities and the challenges of today's satellite dishes. So let us brief you and go directly to the point: If you were to boil down this presentation brochure – the core message, whether you are distributing, selling or installing dishes would be: How can Triax help you stay on top of the satellite dish market.

How?

Simply put, three invariable and consistent approaches help us achieve this goal:

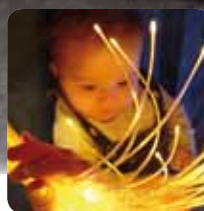
- #1: The right, high-quality satellite dish products and accessories at your disposal – now for more than 20 years
- #2: A genuine desire to help tailor the best possible solution for you every time.
- #3: The right, skilled people throughout the Triax organisation – in all countries

When you browse the following pages, you will see a general introduction to the vast range and depth of Triax satellite dish products. What they all have in common is – they are reliable and durable; they are easy and quick to install; and they keep end-users, installers and operators happy.

But that is only the beginning. As you will see shortly, you can pick and choose between ...

- aluminium, galvanised steel or even fibreglass dishes (for extreme weather conditions) at least five standardised colours – and an endless number of customised colours
- the patented precise-setting -scale elevation bracket (see cover photo)
- customised packing solutions – from bulk to single pack elliptical digital-reception dishes in two sizes
- five different standard dish sizes

..... to name but a few of your immediate benefits of working with Triax.



www.triax.com

Ral 7035

RAL 7035

Ral 8012

RAL 8012

Ral 7016

RAL 7016



Claim these 10 instant benefits for your company:

#1:

Triax gives you the industry's best – and original – polyester surface coating on all satellite dish products. Do not let humidity, snow or rain wear out your satellite dish. Far from everyone in the industry adds this crucial 'finishing touch' to their dishes. In real life it makes a world of difference to the longevity and performance of a dish. Call it pride – but with us you can't have it any other way. And good for you.

#2:

Triax products have a general reputation of being quick and easy to install and mount. The intuitive click-on system lets you finish the job within minutes – and often you do not even need tools.

Triax precise-setting-scale elevation bracket is a patented solution which has set the standard for easy and quickly installation of dishes. Naturally, the installer appreciates all this but operators and broadcasters benefit from it too: They experience far less customer complaints. Hence, call centre and support staff expenses are radically reduced.

#3:

"Triax Rolling Forecasts" help you confidently plan one successful campaign after the other: Respond quickly to changing market needs and expectations through flexible and cost-effective delivery agreements.

#4:

Bulk or single pack? Do you want Triax to deliver complete, fully operational satellite dish systems including Set Top Boxes and LNBs – all packed and ready for redistribution to end-user? Or are you looking for just one particular unit/part of the satellite system, e.g. a specific bracket or dish?

#5:

Worried about thunderstorms? Don't be. All Triax satellite dishes are tested at an independent, external wind-tunnel facility. Here the dishes are exposed to wind speeds of up to 42 m/sec. And they all survive.

#6:

Let us handle your OEM products; an easy way for you to keep your company brand reputation safe and successful. All Triax dishes can be delivered as own label products (in any colour).

#7:

A dish for any job: Triax TD dishes are available in a number of sizes, materials and colours – making it easy for you to pick the perfect one for your present project. You will find dishes here to suit any environment and any job; ranging from single to multiple use applications: 5 different sizes, all with appropriate small gain. Delivered in aluminium or galvanised steel. Available in a number of prefabricated standard colours + any customised colour and own label branding (requires a certain minimum quantity apply). Delivered in individual packaging or bulk to minimise transportation and handling costs. Available in DeLuxe version; with anti-corrosive coating even on elevation bracket, feed-arm and mast bracket.

#8:

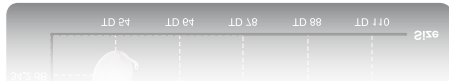
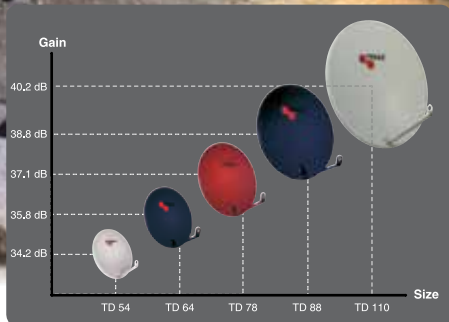
Expand you business and keep a healthy green profile: The minute you decide to team up with Triax both your company and the environment benefit from it. For years we have been ISO 14000 certified (and ISO 9001-2000); your guarantee that we are constantly monitoring and improving all product processes the green way. Furthermore, our thorough quality management system encompasses every single process; from the reception of coils and other raw materials – to the final handling of your order. Nothing is left unchecked.

#9:

Triax satellite dishes are developed and manufactured in the EU. Safety procedures; labour conditions; quality control – Triax meet ALL the strict requirements of the industry. We always have. And always will.

#10:

Though Triax satellite dishes are produced in the EU, you find Triax worldwide. Wherever you are planning a satellite dish project we are ready to help you with expert advice, top-of-the-line products and experienced and committed support.



Get started >>

Ready to start - a profitable partnership?

If you have worked with us before you already know that simplicity is a driving force in all we do. In effect, our customers find it easier to generate a persistent and higher revenue in their market, both short term and long term. That is why broadcasters, installers and operators from around the world keep coming back to work with Triax, year after year. They tell us the same story: The intuitive ease of installation and use make Triax high-quality products their first and natural choice.

Simplifying logistics is also an ongoing process which makes it easier for our partners to beat their competition and operate faster and more effectively. Ultimately, this has a positive effect on their bottom line.

As you know, the satellite dish market is not just about the right products. Equally important, but too often overlooked, is the right business partnership. Or, more precisely, the smooth, flexible and highly profitable partnership. More than anything else this is what we offer you. Are you ready for that?

Brighter and better business results? - all Triax dishes give you that

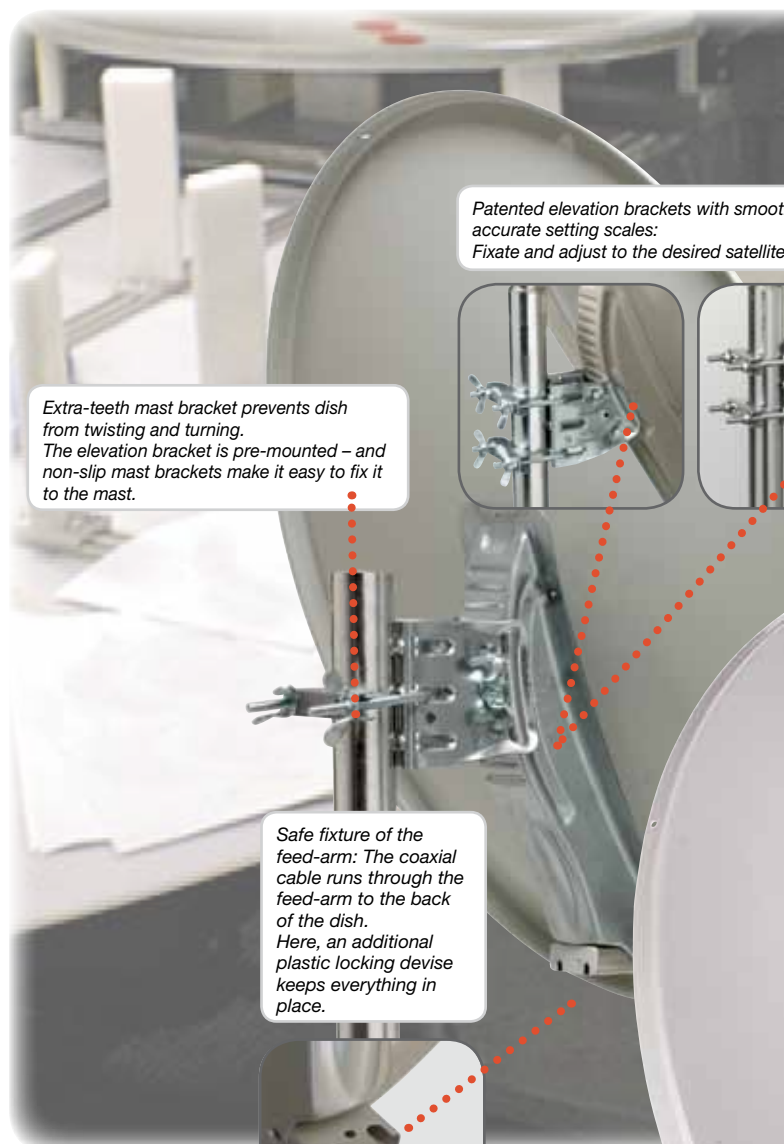
TD dishes: "All problems solved!"

Luckily, producing crystal clear images on a TV screen is no longer the main challenge installers and broadcasters are facing. Roughly anyone can do that these days. What really matters now is keeping that image bright and clear, so consumer satisfaction lasts. In other words, how do we prevent – or at least postpone – signal deterioration due to e.g. reflector corrosion or storm damage to the satellite dish?

"The answer is: TD dish"

TD dishes minimise problems of any kind. Long-term corrosion is prevented by an extremely through anti-corrosive galvanised steel and polyester surface coating. And where most other dishes are twisted or simply torn down by the first severe storm, the TD dish remains in its correct position: The non-slip mast brackets and solid construction of all individual parts ensure that.

A long-lasting result, mounted and adjusted in just two minutes. So if you are looking for long-term consumer benefits; keeping your customers happy; and saving money, time and trouble
- TD is the right answer.



Extra-teeth mast bracket prevents dish from twisting and turning. The elevation bracket is pre-mounted – and non-slip mast brackets make it easy to fix it to the mast.

Patented elevation brackets with smooth accurate setting scales: Fixate and adjust to the desired satellite

Safe fixture of the feed-arm: The coaxial cable runs through the feed-arm to the back of the dish. Here, an additional plastic locking device keeps everything in place.

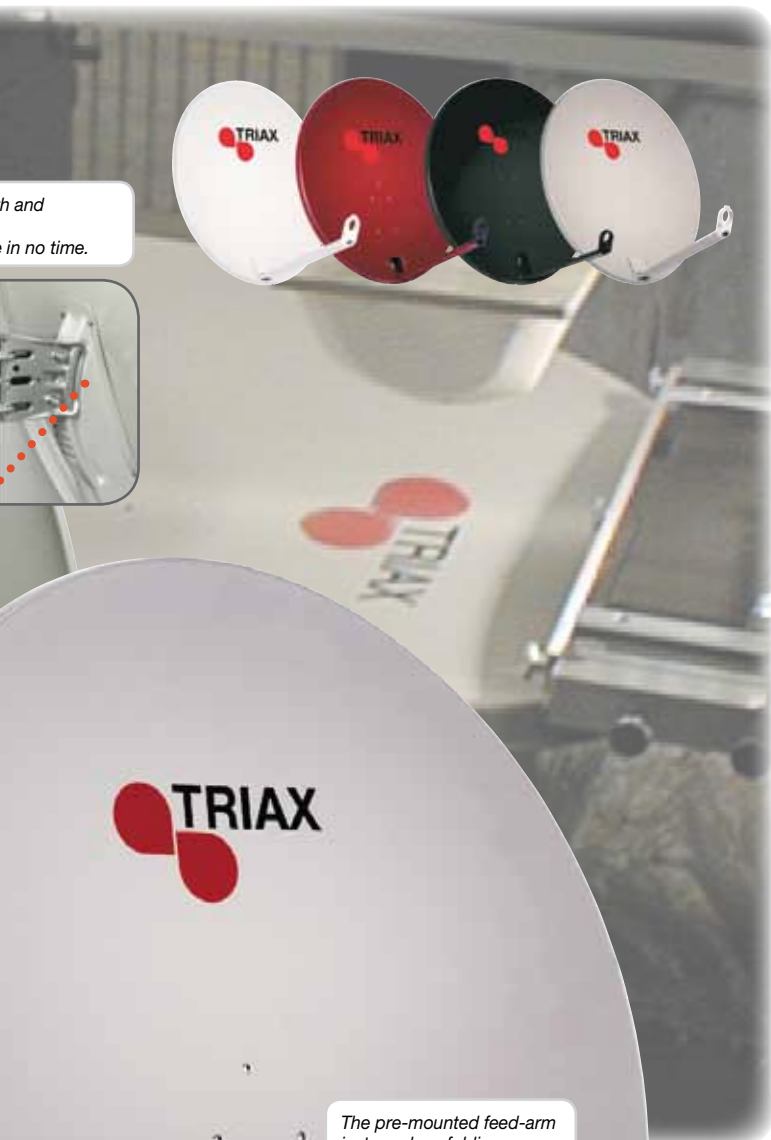
On the TD 110 the feed-arm is not pre-mounted. Instead, for stable mounting, it is secured with an additional wing-nut on the back.

Find more information
about your optimal dish
solution on....

www.triax.com

Customised satellite solutions

- for individual customer needs



h and
in no time.



The pre-mounted feed-arm just needs unfolding. The LNB holder containing the LNB is simply clicked on.

By adding a small cover, you both achieve a perfect visual touch – and extra protection to the feed-arm system.

The UV-resistant plastic Ø40 mm LNB holder is quickly clicked on. An adaptor is provided for Ø25 mm LNBs.



Have you ever had two customers who were exactly alike? Well ... neither have we. Therefore, you can always adjust and adapt all these little details of your Triax satellite dish solution – to make it perfectly fit your customer:

When you pick a satellite dish, just tell us your preferred size, material, colour, packing-method and accessories – and we will make it happen.

Parts Colour	Arm *	Plastic plate	Dish *	Back parts *
RAL 7016	X		X	X
RAL 7030	X	X	X	X
RAL 7035	X	X	X	X
RAL 8012	X		X	X
Black		X		
Unpainted				X

Aluminium or galvanised steel

Which do you prefer – an aluminium or a galvanised steel TD dish? If you are uncertain, we will be happy to guide you. For most end-user needs though, galvanised steel is perfect.



Dish colours

TD dishes are available in several standardised colours and an endless number of individual and fully customised colours (depending on order size). Contact us and let us know what you are looking for – and we will start mixing the paint ...

Packing methods boost profit margins

- dishes packed and delivered to match your business perfectly

Truly flexible options

Imagine you could determine, in detail, how your business partners and suppliers packed everything before sending it to you; giving you the choice of single pack, mini-bulk or bulk. And allowing you to specify what goes where – in whatever quantity.

That is exactly what you get from day one working with Triax; immediately enabling you to start cutting down costs and further optimising distribution processes within your company.

Triax will send you complete satellite dish systems including Set Top Boxes and LNBs in ready-for-sale consumer packing, if that is what fits your company. Or specific dishes in bulk to your stock or packaging line – with brackets and components packed in bulk or individual sets – if that works better. Just let us know.

Single carton options

- Dish colour *)
- Wall bracket
- LNB holder
- LNB
- (Receiver)



Bulk packings optional:

- Single packed accessories
- Dish colour *)
- Screw set
- Mast bracket/south elevation bracket

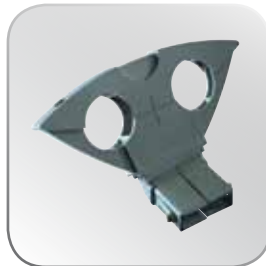
MINI bulk packings	Qty per packing method
	3
	5

Bulk packings	Qty per packing method
	25
	50 **
	100

*) Customer specific colour available on request, depending on order size
 **) TD110 only



Accessories for perfect dish installation - in colours matching the dish



3° and 6° Duo-Block

Elegant solutions in black or grey – for Ø40 mm LNBs. Perfect for reception from two satellite positions, e.g. Eutelsat (Hotbird) and ASTRA

3° to 10° Flexi-Block

This Flexi-Block is also available for the TD dish series. Custom-made for two Ø40 mm LNBs.



3° to 20° Multi-Block

Looking for a Multi-Block for your TD dishes? This one holds four Ø40 mm LNBs – with min. 4 degrees between the satellite positions. Available with complete packaging: Bracket, LNB units and DiSEqC switch.



Wall brackets

TRIAx has various types of mounting brackets.



*Find more information
about your optimal
dish solution on...*

www.triax.com

DAP fibre glass dishes

- perfect reception quality for DTH

Do not let direct-to-home reception depend on the environment or the weather. If you need to handle satellite dish installations in windswept coastal areas or at high mountain altitudes with constantly changing weather conditions – a fibreglass dish is your safe choice: You get the well-established resistance and endurance of fibreglass combined with the optimum geometry that characterises all Triax dishes. Result: Perfect reception quality in all conditions.

Features and benefits of Triax DAP Fibreglass dishes

- Fibreglass reflector sizes: 60, 70 and 90 cm – with 35.5 dB to 39.0 dB gain
- Ideal even in extreme environmental conditions
- Quick and simple to install
- Pole mount
- Strong mast brackets
- Light grey and anthracite colours

Attention to detail: Both the mast bracket and the LNB holder are easy to mount, and to make sure they are absolutely stable and strong, they too have been rigorously tested – in wind-tunnels and through mechanical tests (exposure to 100.000+ vibrations at resonance frequencies).



Among the DAP Fibreglass accessories is a 3°-10° Flexi-Block for signal reception from two different satellites.



DAP 611



DAP 911



DAP 711



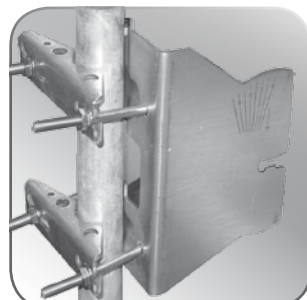
DAP 610



DAP 910



DAP 710



The solid double mast bracket ensures that the fibre glass dish is fixed firmly to the mast, and locked in the desired position.

Triax Elliptical Dishes

- customised for digital reception



Triax elliptical dishes are specifically designed for digital reception. They are available in two sizes, 44 cm and 60 cm. Both dishes are approved by BSKYB, the world leader in digital platforms. The elliptical dishes are also used for FreeSat.

For maximum performance, use the dishes with plug-in optimised elliptical feed LNBS. Else, use a standard universal LNB (use a Ø40 mm feed clamp).

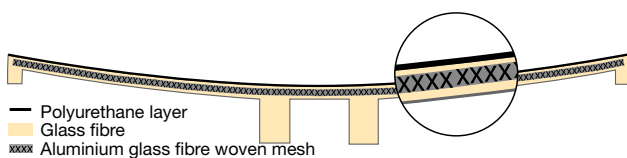
Triax elliptical dishes are available in perforated or solid zinc coated steel – and both dishes have these features:

- Tilt movement/skew adjustment
- Integrated spirit level; ensuring correct alignment in the first “take”
- Upgradeable for multisat reception
- Polyester powder coated reflector + bracket
- Pole or pole/wall mounting
- Single pack, 5-piece or bulk packaging



DAP dishes are designed to survive speeds beyond ETSI 300784 Standard

In other words: Triax DAP dishes are still up and running even after being exposed to varying wind velocities of up to 42 m/sec. – from all directions and elevations.



Polyester reflector with glass fibre, aluminium woven mesh and polyurethane lacquer on the reflector surface.

Keep TV screen images sharp

- use Triax Universal LNBs

Low Noise Block converters (LNBs) are essential to all satellite dish installations since they convert high frequency satellite signals into the desired end-result; moving TV images.

With Triax you get the full range of quality LNBs, including fibre optical LNBs. All our LNBs are available as individual items or in bulk – packed with or without dishes and accessories, dependent on your company's specific requests.

State-of-the-art LNB units

Triax Universal LNBs meet the most critical demands in today's market. You are guaranteed extremely low noise figures: Less than 0.6 dB in both high and low band – and with excellent cross polar isolation.

Not only does the end-user benefit from our LNBs, we have also facilitated the work of the installer. Thus, all Triax LNBs have a positive gain slope which compensates the differences in high/low frequency cable attenuation – and ensures approximately equal high and low band signal strength.



Universal Single LNB
For the typical private home installation with 1 set-top box



Universal Twin LNB
For connection to two separate set-top boxes in individual homes or for example in semi-detached houses.



Universal Quad LNB
For connection to four separate boxes for example in a multiapartment house.



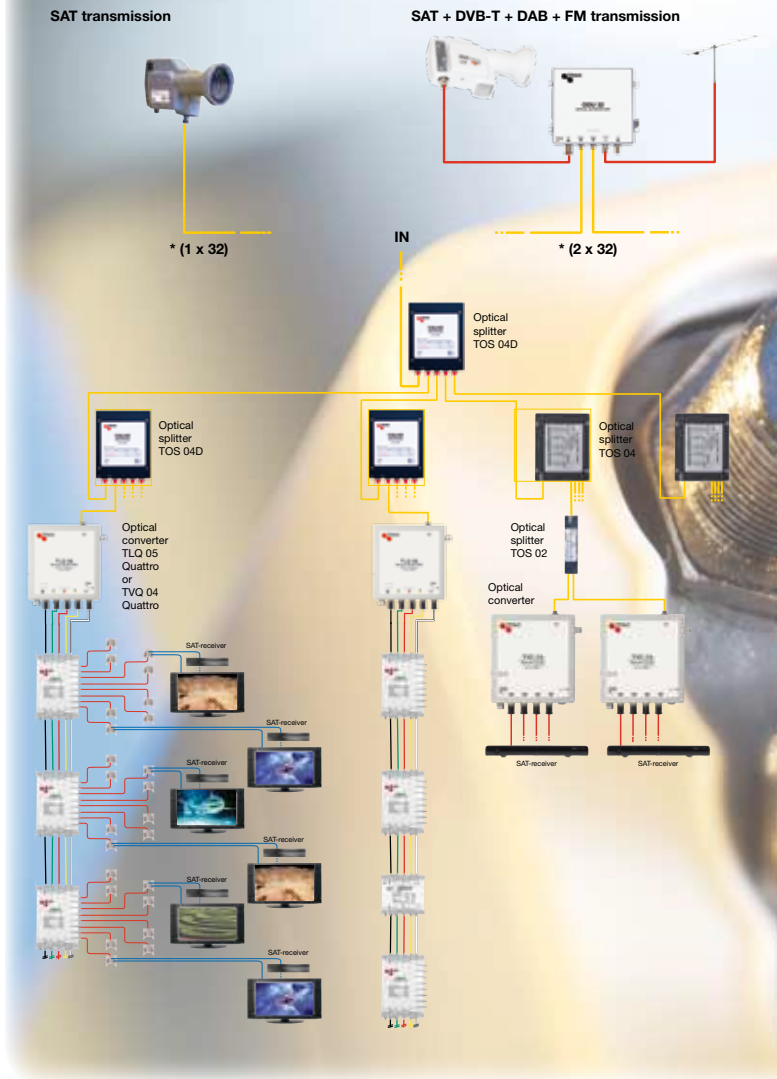
Universal Quattro LNB
For MATV/SMATV installations. This LNB is compatible with any kind of multi switch.



Universal Octo LNB
For MATV/SMATV installations. This LNB is compatible with any kind of multi switch. For connection to eight separate set-top boxes in individual homes or for example in semi-detached houses.

A fibre optical system will typical looks like this..

(see below where the different components can be used and how they work)



Fiber optical reception and distribution

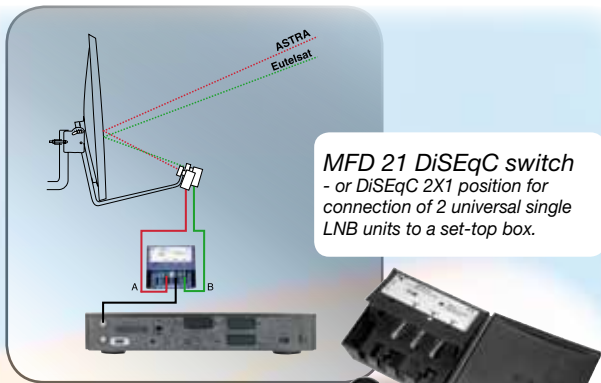
Offer the end-user the perfect Set Top Box signal with our fibre optical system – even if the signal distribution have to cover long distances.



Triax TOL32 optical LNB
A high quality, high performance universal LNB, that, in addition to excellent LNB performance, provides a 1310 nm wideband optical output where all four satellite polarities are stacked into one frequency range (950-5450 MHz).

DiSEqC switches for 2 or 4 LNBs

- easily pick between a number of satellite signals



DiSEqC 2x1 Pos

Use DiSEqC switches in multi satellite dish installations, when you want to switch between two or four LNBs each pointing at different satellites. Choose the Triax series to offer both the installer and the consumer an extremely reliable and easy-to-install DiSEqC switch.

Product features include:

- Two or four inputs for switching between two or four satellite positions
- High isolation that ensures problem-free operation in multi user installations
- Housed in fully shielded and waterproof mast box (for outdoor installation)
- Compact housing with snap lock lid
- Easy installation using F-connectors for mounting – and a release strap for mast mounting
- Instructions conveniently enclosed inside the housing

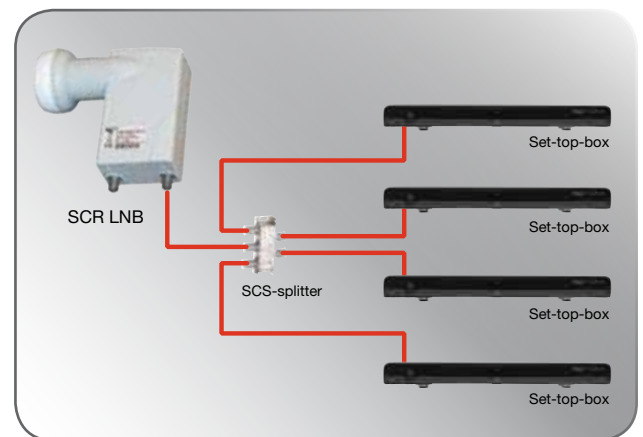
Highly flexible: Triax DiSEqC switches can be used with single, dual and quad LNBs (i.e. with a DiSEqC switch connected to each of the Set Top Boxes having access to more than one satellite position).

DiSEqC 4x1 Pos

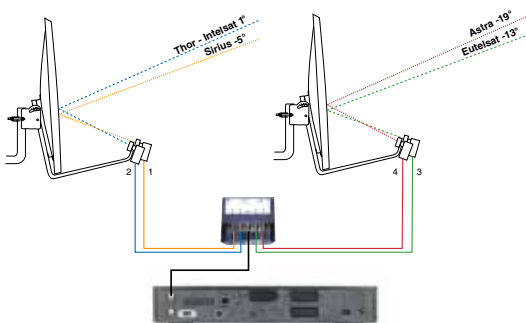


Triax SCR LNB

- feeds 4 Set-top-boxes via 1 single cable



From just one Triax SCR LNB you can distribute up to four individual signals/user bands – in a single cable – to four different Set-top-boxes. In other words: Less wiring, faster installation and more users.



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Your ultimate connection

- we offer you insight, experience and a wide range of solutions

The Triax Group is among the leaders within 2 business areas:

- *Triax Multimedia - Reception, distribution and storage of video, audio and data*
- *Triax Cabinets - Protection of network equipment*

TRIAX was founded in Denmark in 1949 and has kept growing ever since. 600 employees across the globe generate sales of 140 mill. Euro. We manufacture in Europe and China. We service our customers globally through 10 own companies and a growing net of distributors.

The Triax Group is a part of Nielsen & Nielsen Holding A/S which is the Danish based mother company in an international group of companies and employs more than 1800 employees in 18 companies.

Dealer:

The Triax portfolio is constantly changing and growing so this catalogue cannot be complete at all times. Please refer to our website and your sales representative for an update

www.triax.com

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