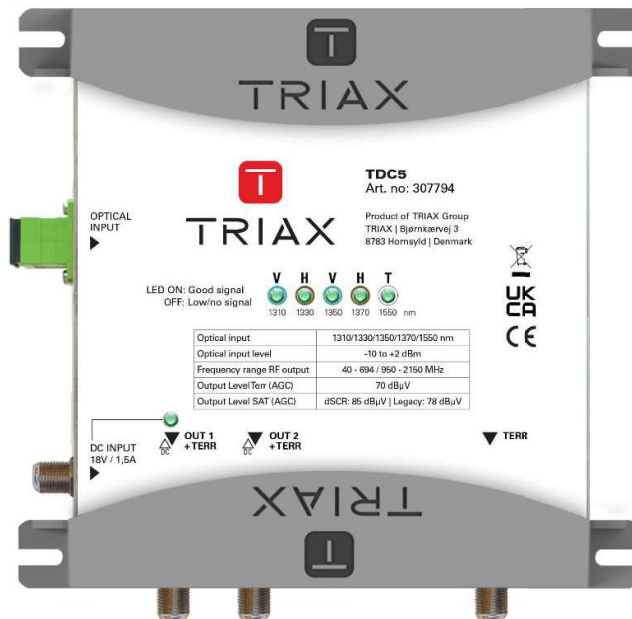


TDC5 dSCR/Legacy +Terr Optical Receiver



Part No.307794

Attention!

The installation and commissioning may only be performed by suitably qualified persons, technicians or installers in compliance with safety regulations in EN 62368-1, EN 60825-1 (laser class 1) and EN 60728-11. Attention should also be paid to the instructions and advice you find below.

Failure to comply with the specified precautionary measures may cause serious injury to persons or damage to property. Damage due to improper installation and commissioning, defective connectors on cables or any other incorrect handling will void the warranty.

Disconnect mains power before working on electrical systems.

- A suitably qualified person should always install any additional electrical wiring requirements.
- Installation or service work should NEVER be undertaken during electrical / thunderstorms.

Waste Electrical and Electronic Equipment (WEEE) after end of life

- Do not dispose of these products in household waste! Dispose of them for recovery and recycling following the current National and European legislation and regulations.

Specific safety instructions

- The transmitter unit needs to be installed in a dry room or cabinet with sufficient air convection.
- Never connect the PSU to the mains before all cables have been connected to the transmitter.
- Never look in to an open core of a fibre cable or fibre connector that is in operation with a laser transmitter.
- Unfiltered Terrestrial antennas must not be connected directly to the TERR port.
- Un-used F-ports shall be terminated with DC blocked 75 Ohm terminators - like TRIAX DC Blocked Terminator (Art. No. 305349).

For potential equalization unit needs to be connected to the MET of the building.

The grounding cable shall be fixed to the grounding clamp of the metal housing.

Declaration of Conformity

The manufacturer: TRIAX UK | Treorchy | RCT | CF42 6DL | UK

declares that the products: 307794 TDC5

are compliant to the directives: RED 2014/53/EU and RoHS 2011/65/EU

by meeting the following harmonized standards:

EN 623368-1:2014 +/AC:2015

EN 60825-1:2014

EN 50083-2:2012 +/A1:2015

EN 303 372-2 V1.1.1

EN 61000-3-2:2014, EN 61000-3-3:2013

EN 63000:2018

2023-09-04



TRIAX TRIAX UK
Glenn Vaughan
CEO

Product introduction and specs

The TDC5 is an Optical Fibre Receiver, from the TRIAX Optical Fibre range. Unique dSCR/legacy TWIN Optical Converter with high output power, developed to help installers overcome low signal quality in satellite fibre installations.

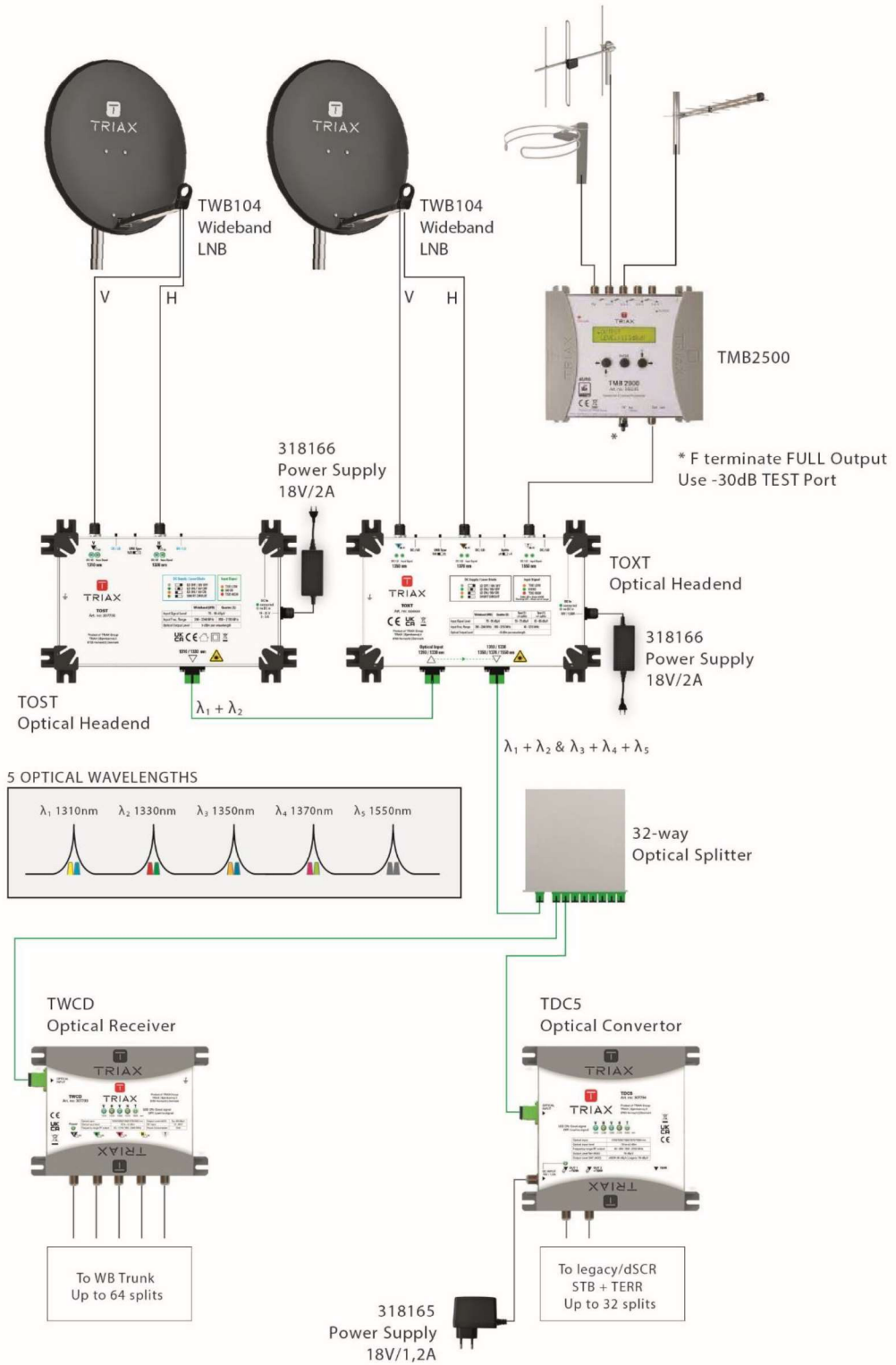
- TDC5: 5 optical wavelengths are converted to 2 x dSCR/legacy + separate TERR
- Unique product in the market with high output power
- Optical input level: -10 to +2 dBm
- 5 Optical wavelengths: 1310 - 1330 - 1350 - 1370 - 1550nm
- AGC on all output ports
- Signal quality indicator per wavelength
- Sky compatible
- Energy efficient
- Can be used in systems with up to 32 splits
- Power supply: Part No. 318165

		TDC5 (Part No. 307794)
Optical inputs	-	1
RF outputs	-	2 x dSCR/legacy + TERR.
Optical wavelengths	nm	1310 - 1330 - 1350 - 1370 - 1550
Frequency range	MHz	40 - 694 / 950 - 2150
Optical input level	dBm	-10 to +2
Signal indicator	-	Green LED per wavelength
dCSS/dSCR UBs	-	4 x 16
Output level dSCR (AGC)	dB μ V	85
Output level Legacy (AGC)	dB μ V	78
Output level TERR (AGC)	dB μ V	70
Return loss	dB	-8 (Typ -12)
Input connector type	-	SC / APC
Output connector type	-	75 ohm F type (female)*
Band and polarity selection	-	DiSEqC 1.0 (unidirectional) DiSEqC 2.0 (bidirectional) Standard EN50494/EN50607 SKY UK protocol Universal LNB Voltage & Tone
Power consumption	W	11
Power supply via DC IN	VDC	12 - 20
Power supply via output (STB)	VDC	12 - 20
Power indicator	-	Green LED
Operating temperature range	°C	-10 to +55
Dimensions	mm	166 x 170 x 50
Weight	kg	0.430

* Unused ports need to be terminated with 75 Ohm DC-blocked terminator

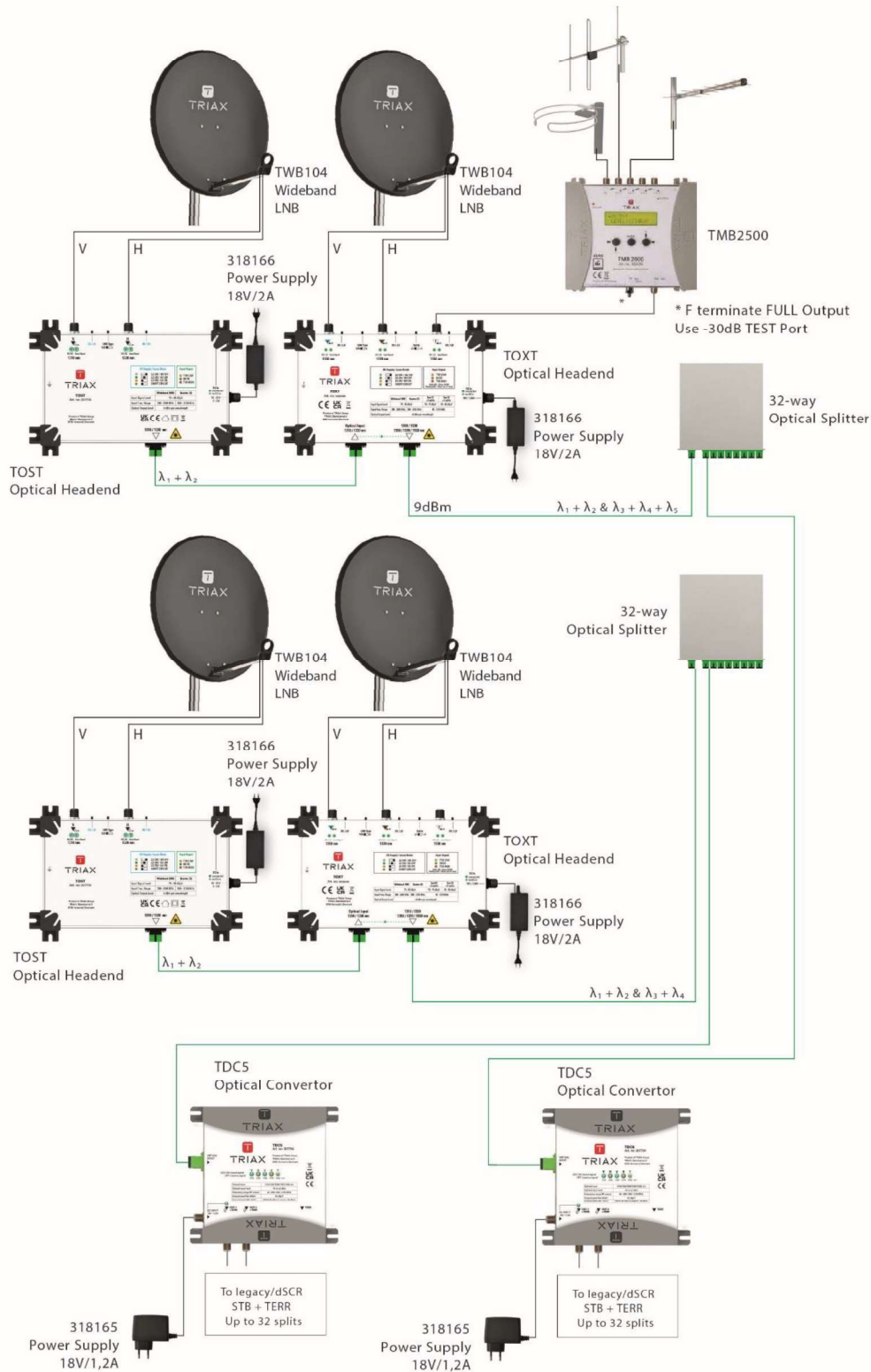
Product installation

Dual SAT & TERR distribution over a single Fibre Optic Network (up to 32 Splits)



Product installation

4 x SAT & TERR distribution over Fibre Optic Network (up to 32 Splits)





TRIAX

connecting the future

Information and manuals:

Information og brugervejledninger:

Information och manualer:

Information und Bedienungsanleitungen:

Informations et modes d'emploi:

Información y manuales:

Lisätietoja ja oppaita: információk és útmutatók:

[triax.com](https://www.triax.com)

Subject to change without notice

Änderungen vorbehalten

Peut être sujet à modification sans préavis



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