

TWCD

Triax Wideband Combined Dual Receiver



Part No.307793

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 (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: 307793 TWCD

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



Glenn Vaughan
CEO

Product introduction and specs

The Optical Dual Wideband and TERR Receiver is developed for the transmission of broadband signals in medium and large Fiber Optic systems. Part No. 307793 converts 1310 + 1330 + 1350 + 1370 + 1550 nm to 2 x V/H and TERR signals.

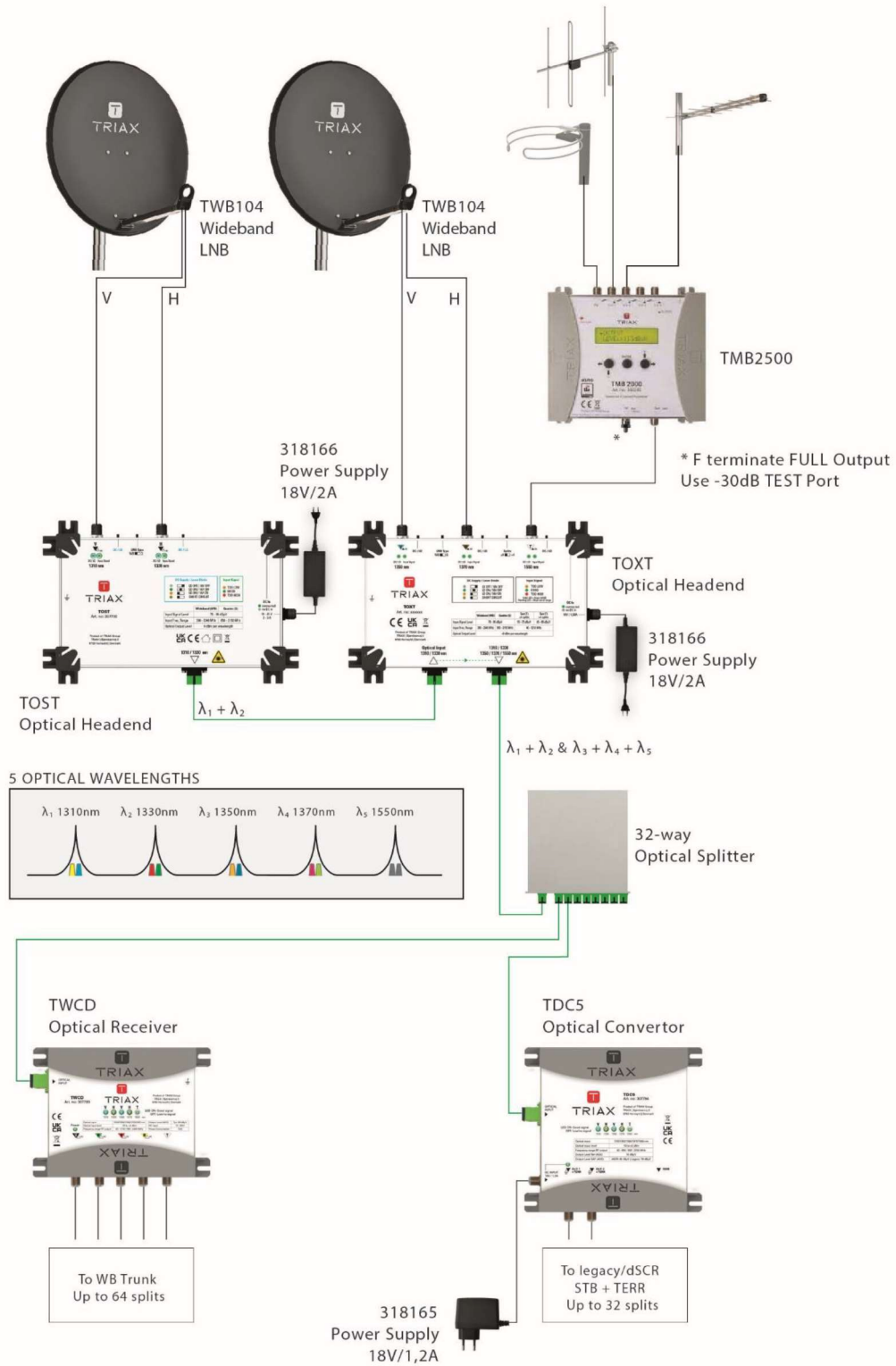
- Up to 64 passive splits
- Optical Input Level: -12 to +4 dBm
- Frequency Range: 40 – 2400 MHz
- High reception quality even with high split ratios
- Powering via V/H output (12-20V)
- AGC to boost signal level
- Optical wavelengths: 1310-1330-1350-1370-1550nm
- Compatible with Triax TdSCR wideband Multiswitches

		TWCD (Part No. 307793)
Optical inputs	-	1
RF outputs	-	Dual Wideband + TERR
Optical wavelengths	nm	1310 - 1330 - 1350 - 1370 - 1550
Frequency range TERR	MHz	40 – 1218
Frequency range SAT	MHz	950 – 2400
Optical input level	dBm	-12 to +4
Signal indicator	-	Green LED per wavelength
Output level dSCR (AGC)	dB μ V	80
Return loss	dB	-8 (Typ -12)
Input connector type	-	SC / APC
Output connector type	-	75 ohm F type (female)*
Power consumption	W	5
Power supply via DC IN	VDC	12 – 20 (via V or H port (F-type))
Power indicator	-	Green LED
Operating temperature range	°C	-10 to +55
Dimensions	mm	166 x 136 x 50
Weight	kg	0.375

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

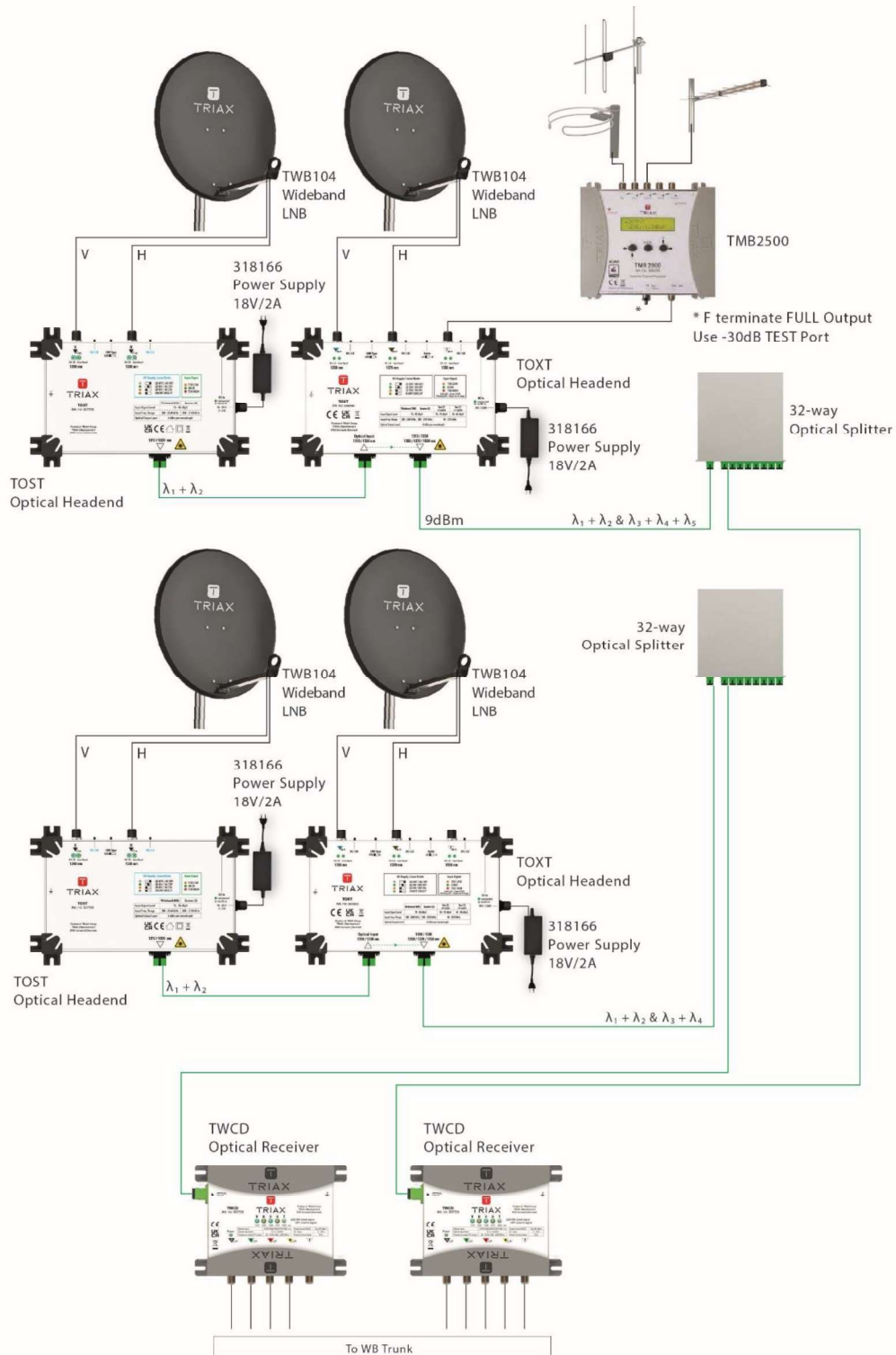
Product installation

Dual SAT & TERR distribution over a single Fibre Optic Network (up to 64 Splits)



Product installation

4 x SAT & TERR distribution over Fibre Optic Network (up to 64 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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