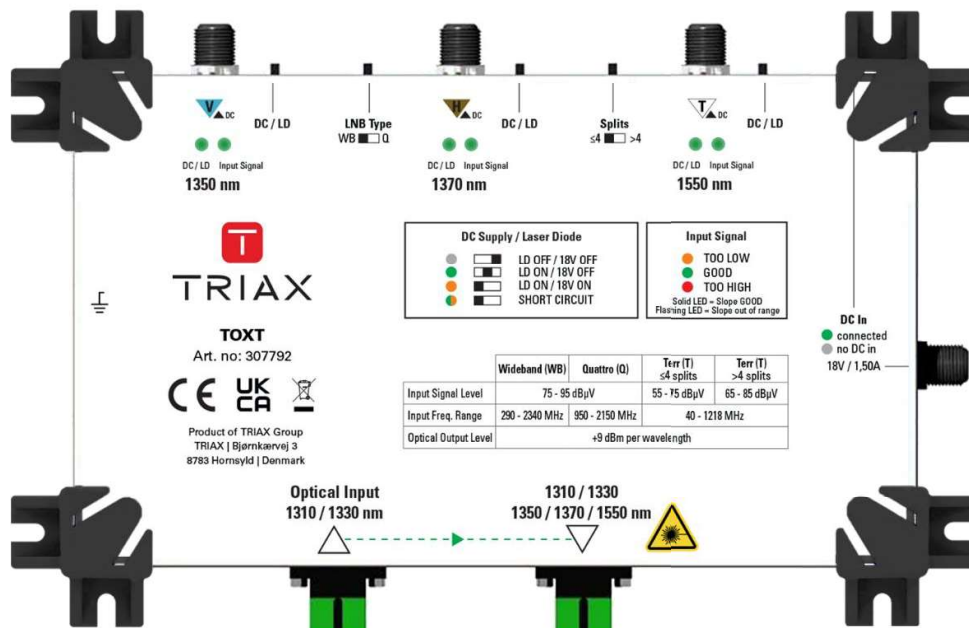


TOXT Optical Headend



Part No.307792

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: 307792 TOXT

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

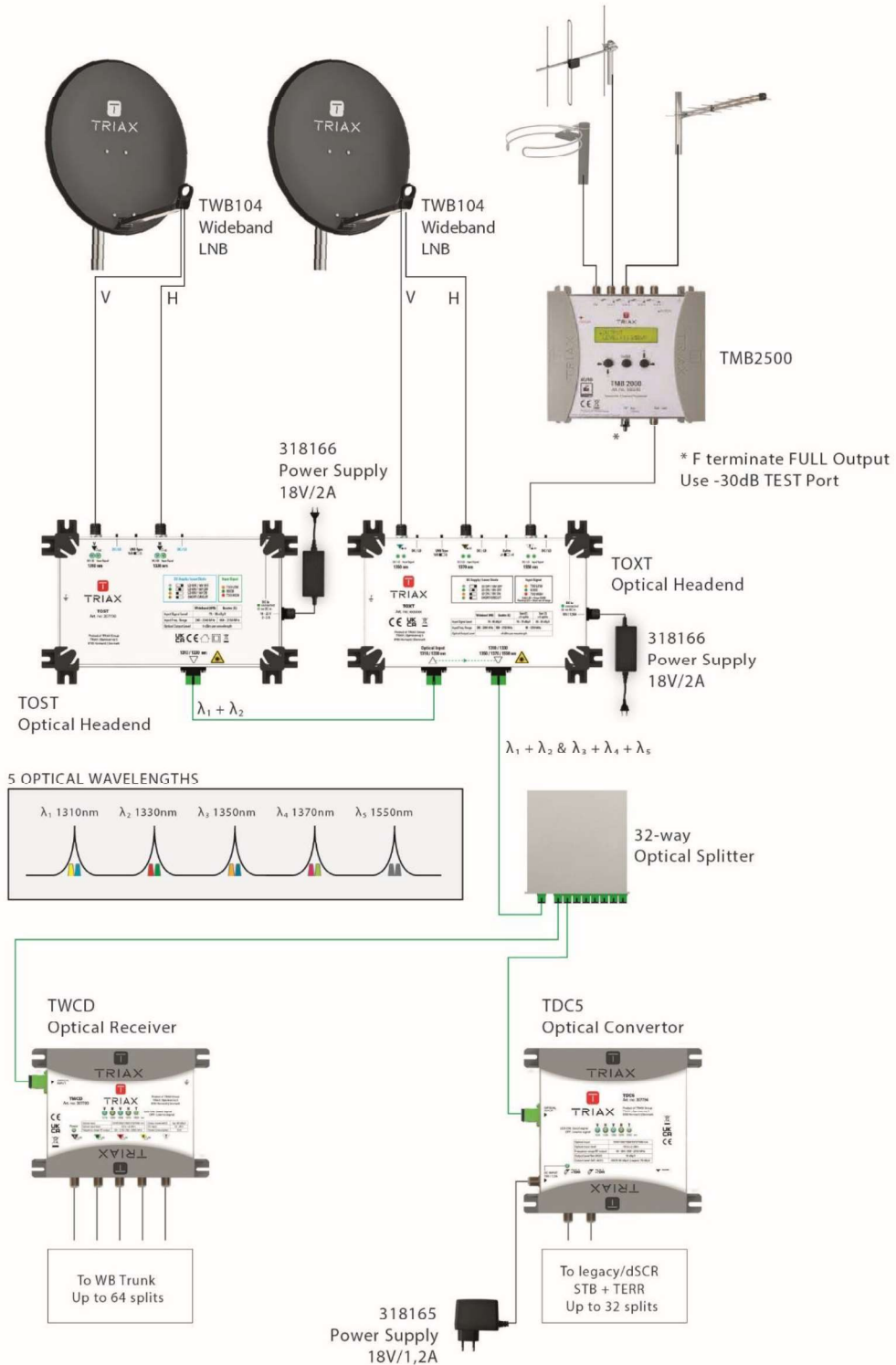
The new TOXT, Triax Optical Extra Headend converts Wideband/TERR signals to multiple optical wavelengths. Thanks to built-in Automatic Gain Control (AGC) and Automatic Slope Control (ASC), the output signal quality is optimal for your optical distribution system (9 dBm output power). The TOXT is suited for many types of optical systems: up to 64 splits, (32 Splits for FTTH) or can be easily be extended to many more!

- 2 Wideband and 1 TERR inputs
- frequency range: SAT: 290 – 2340 MHz (Wideband) / 950 – 2150 MHz (Quattro) / TERR: 40 – 1218 MHz
- 1 Optical output wavelengths 1350 – 1370 – 1550 (1310 – 1330 from optical loopthrough)

| | | TOXT (Part No. 307792) |
|-----------------------------|--------------|---|
| RF Inputs (F-connector) | - | 2 x Satellite (WB / Q) 1 x TERR |
| Input frequency SAT | MHz | Wideband: 290 - 2340 Quattro: 950 - 2150 |
| Input frequency TERR | MHz | 47 - 1218 |
| Optical outputs (SC/APC) | - | 1 |
| Optical inputs (SC/APC) | - | 1 |
| Optical output wavelengths | nm | 1310 – 1330 (Bypass) 1350 – 1370 – 1550 |
| Optical output power | dBm | +9 (per wavelength) |
| Minimal input level SAT | dB μ V | 75 - 95 |
| Minimal input level TERR | dB μ V | 55 - 75 (TERR \leq 4 splits) 65 - 85 (TERR >4 splits) |
| DC supply | - | 18V / 400mA |
| DC supply TERR | - | 12V / 200mA |
| Automatic Gain Control | dB | 15 |
| Automatic Slope Control | dB | 10 |
| Power consumption | W | 27 |
| DC input | - | 18V / 2A (F-type) |
| Power Supply | - | Use an 18V / 2A Power Supply (Ref: 318166) Not included with product |
| Operating temperature range | $^{\circ}$ C | -10 to +50 |
| Dimensions | Mm | 221 x 141 x 50 |
| Weight | kg | 0.8 |

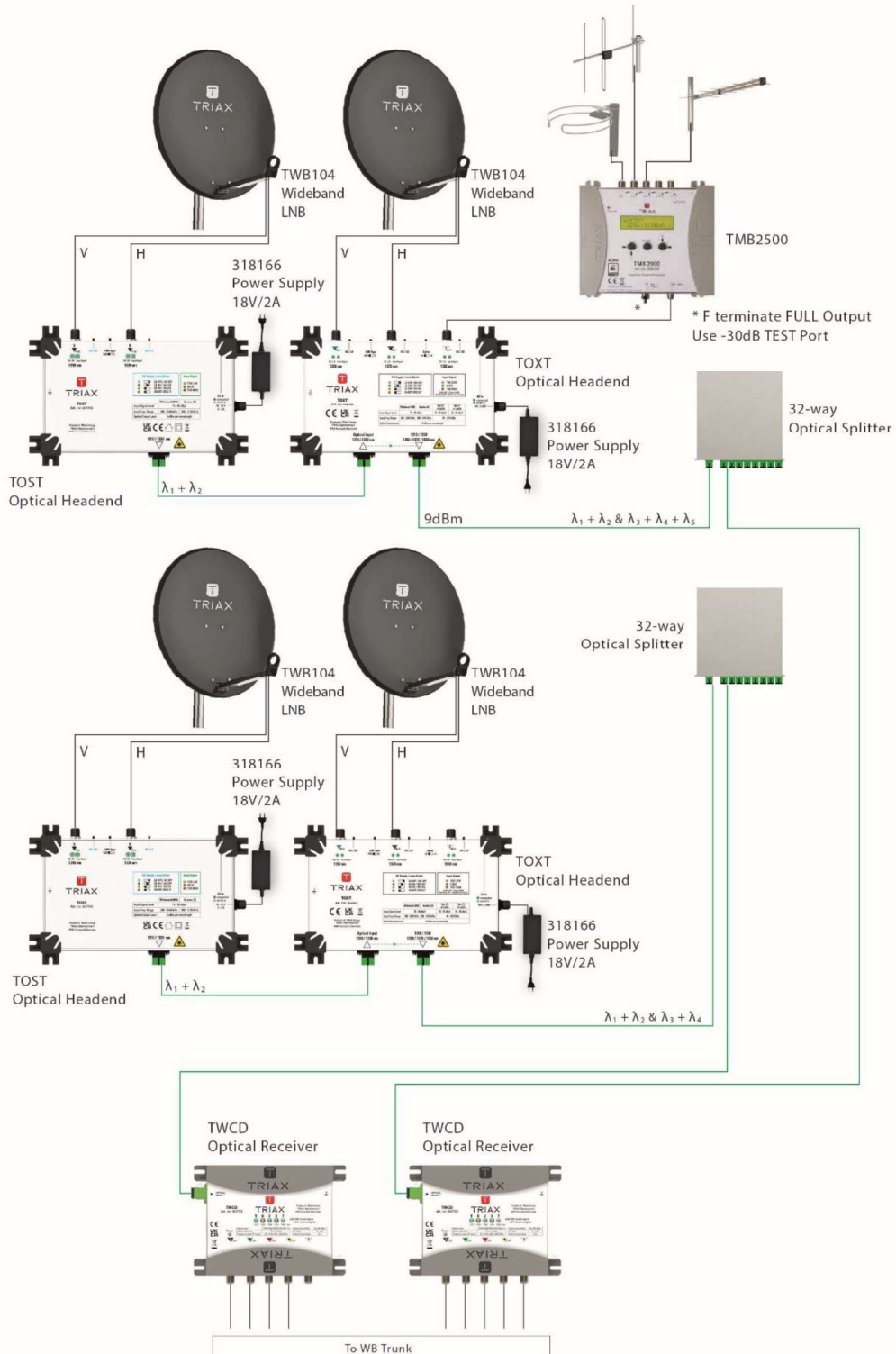
Product installation

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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