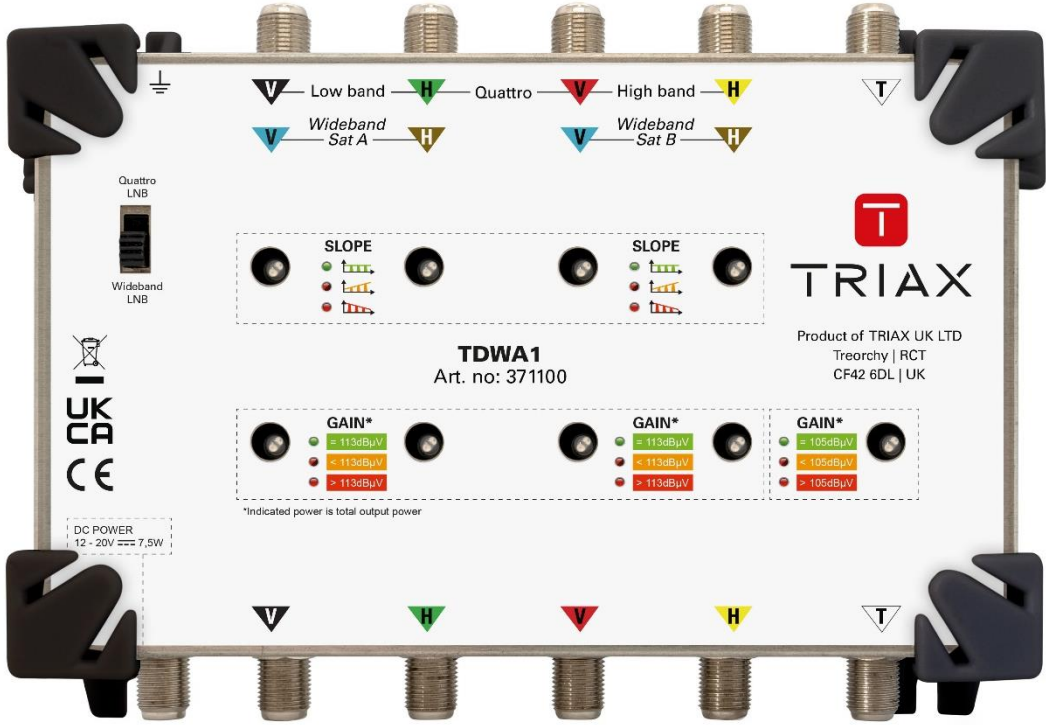


TDWA1 DUAL WIDEBAND AMP

Part No.371100



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 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.
- 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: 371100 TDWA1

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

by meeting the following harmonized standards:

EN 62368-1:2014 +/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

2023-10-04





Glenn Vaughan
CEO



TRIAX

Product introduction and specs

An ideal launch amplifier for Multiswitch systems with a Terrestrial path.

The Dual Wideband Amplifier optimizes your Wideband V/H (290-2400 MHz) and Terrestrial (87-862MHz) signal in real-time.

Suitable for 2 wideband LNBs, or 1 Quattro LNB.

To do so, it uses Automatic Gain Control (AGC) and Automatic Slope Control (ASC).

- AGC on all lines (V/H/T) and ASC on all satellite lines (V/H)
- DC input for powering amplifier and LNB (Optional power supply 18V/2A(Part no.: 318166))
- Selectable between Wideband LNB (290 - 2400 MHz) and Universal LNB (950 - 2150 MHz)

		TDWA1 (Part No. 371100)				
Inputs	-	SAT V1	SAT H1	SAT V2	SAT H2	TERR
Outputs	-	SAT V1	SAT H1	SAT V2	SAT H2	TERR
Frequency range	MHz	290 - 2400 (Wideband) 950 - 2150 (Universal)				87 - 862
Gain	dB	10 - 30				5 - 25
Noise figure	dB	5				
Gain adjustment	dB	20 (Automatic Gain Control)				
Slope adjustment	dB	15 (Automatic Slope Control)				-
Output level	dB μ V	113				105
Consumption	-	400 mA max. from 12-20 VDC external power supply or input / output				
Power consumption	W	9				
Dimensions	mm	129 x 140 x 51				
Weight	kg	0.350				

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

Configuration of the product

LNB switch:



The **LNB switch** lets you select the type of LNB used in your installation.

The LNB selection defines the slope frequency range:

Wideband LNB: 290-2400 MHz Universal LNB: 950-2150MHz.

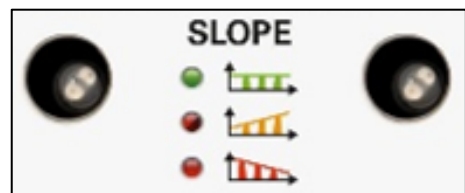
Indication LEDs:

SLOPE LEDS (LED on left is for Sat V input, LED on right is for Sat H input)

SOLID RED: signal too strong: cable too short, move the amplifier further away from the source

FLASHING RED: signal too low: cable too long, move the amplifier closer to the source

SOLID GREEN: within range, signal level has the correct level



GAIN LEDS (LED on left is for Sat V input, LED in middle is for Sat H input, LED on right is for TERR input)

SOLID RED: signal too strong: cable too short, move the amplifier further away from the source or add attenuation

FLASHING RED: signal too low: cable too long, move the amplifier closer to the source

SOLID GREEN: within range, signal level has the correct level



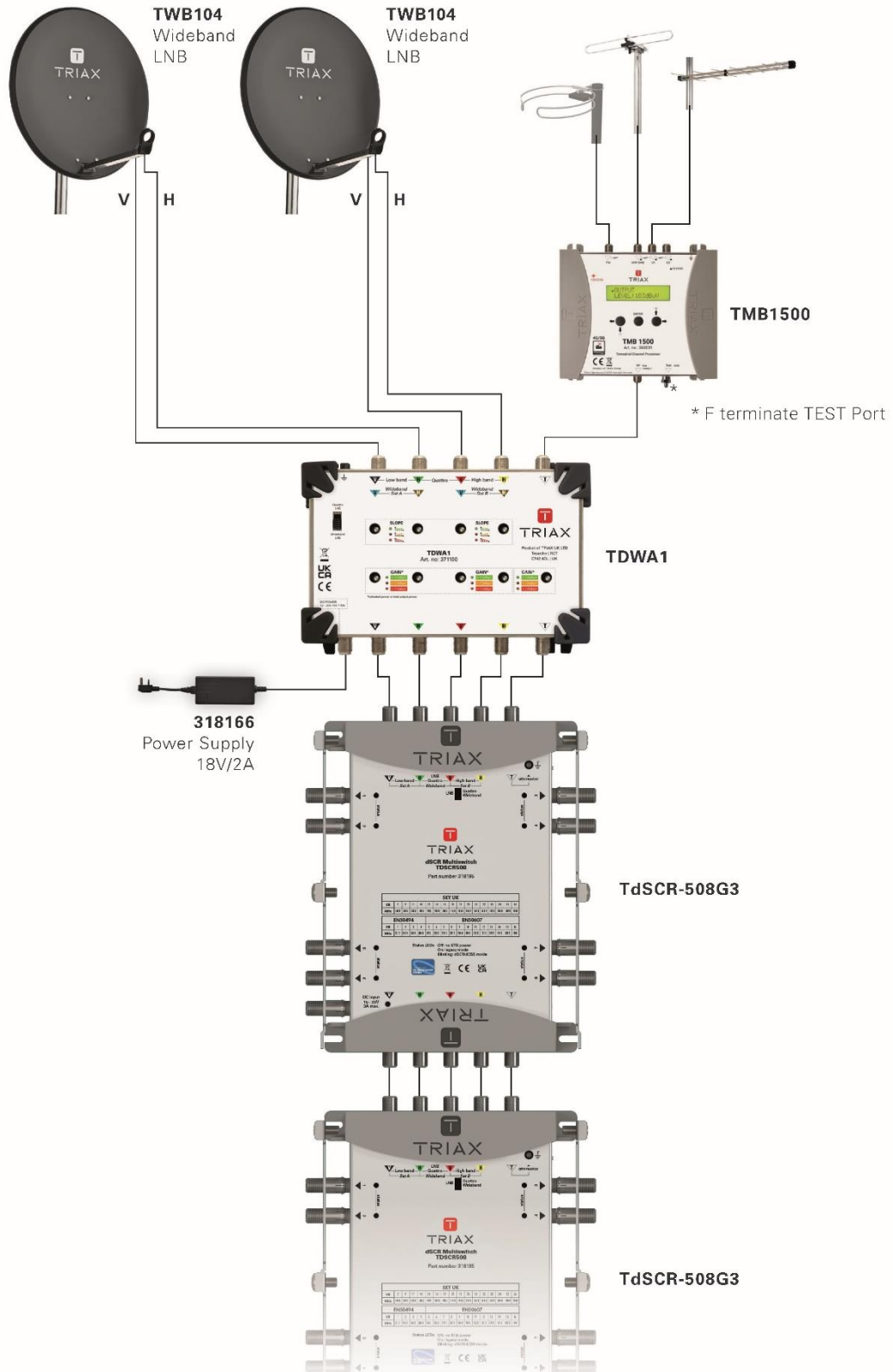
BOTH GAIN and SLOPE LED should be green to guarantee that the average output level has the correct level, generally speaking RED LED (regardless its state) is not a good situation and its advisable to take steps described above



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Product installation

LAUNCH AMPLIFIER: DUAL WIDEBAND APPLICATION

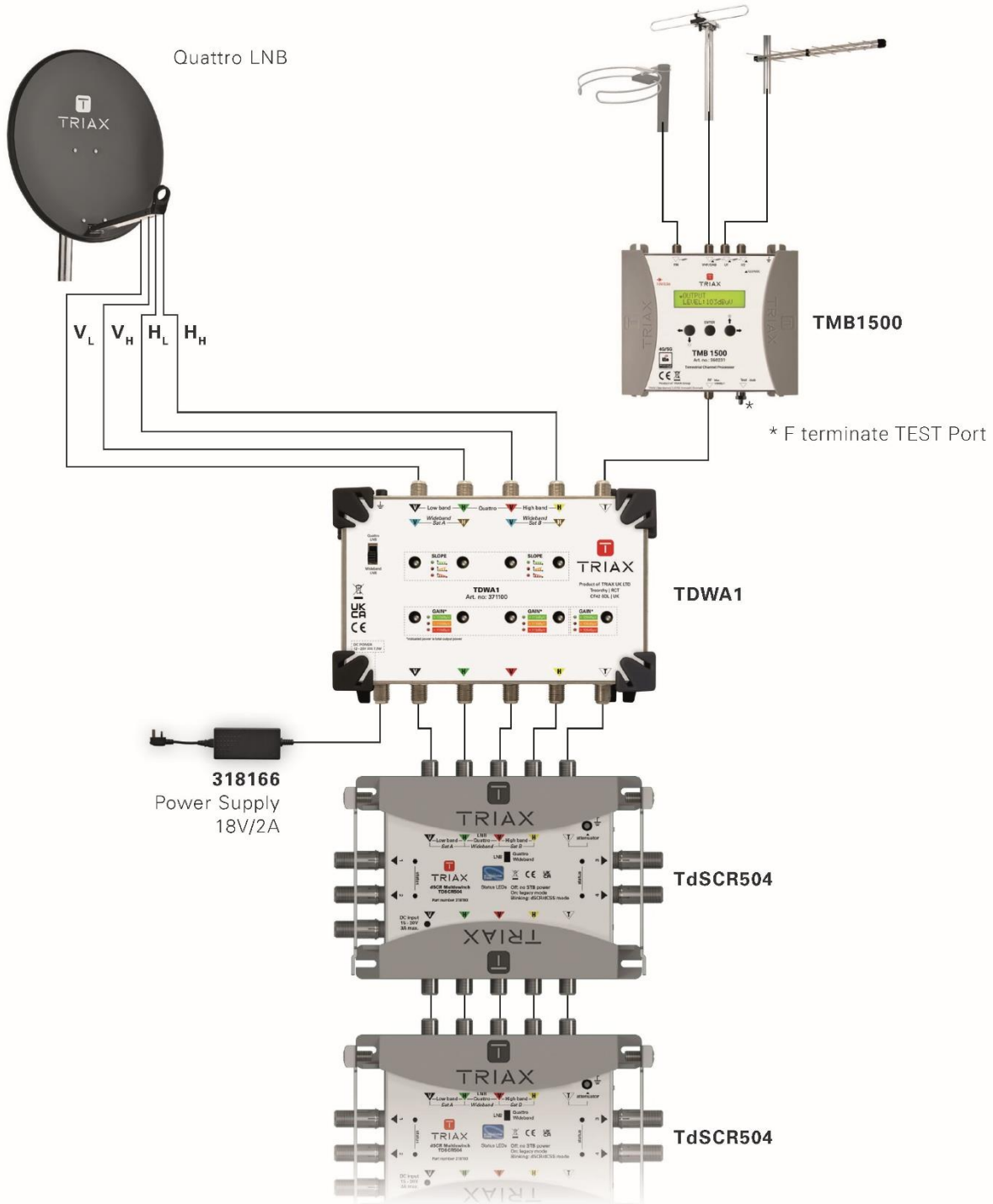




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Product installation

LAUNCH AMPLIFIER: QUATTRO APPLICATION

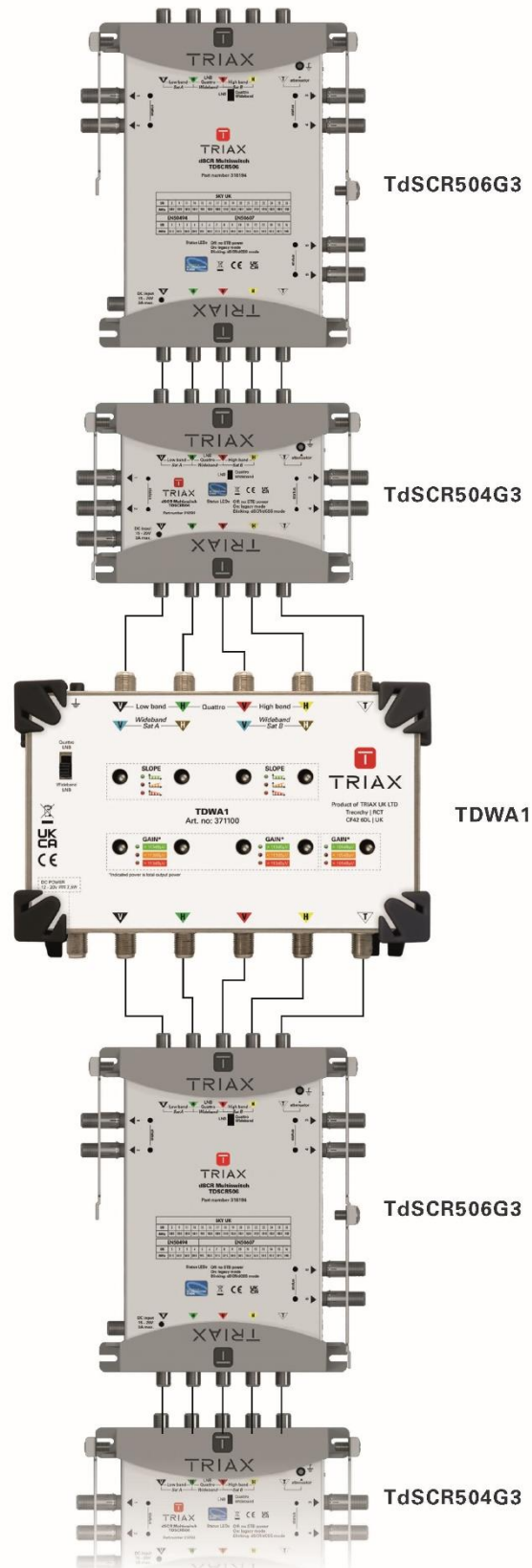




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Product installation

LINE AMPLIFIER: dSCR TRUNK APPLICATION





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

Subject to change without notice

Änderungen vorbehalten

Peut être sujet à modification sans préavis



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