

User Manual

Wideband-Quattro-Adaptor

WQA 24

Item No: 57003355



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DCT DELTA AG keeps the right to change the specification of hardware and/or software of the device described in this manual.

DCT DELTA AG cannot be made responsible for damages caused by the usage of this device. All information are subject to change.

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1. INTRODUCTION

Product Description

The WQA 24 is the perfect solution provider to upgrade existing Quattro installation with additional satellite positions without installation of new cables. It is also possible to continue to use the already existing Quattro multi switches (with their existing features) in a wideband installation.

The WQA 24 can be used in combination with Wideband splitters WBS 2424 (Art.-Nr. 57003450) or Wideband taps WBT 2424 (Art.-Nr. 57003451).

The WQA 24 offers:

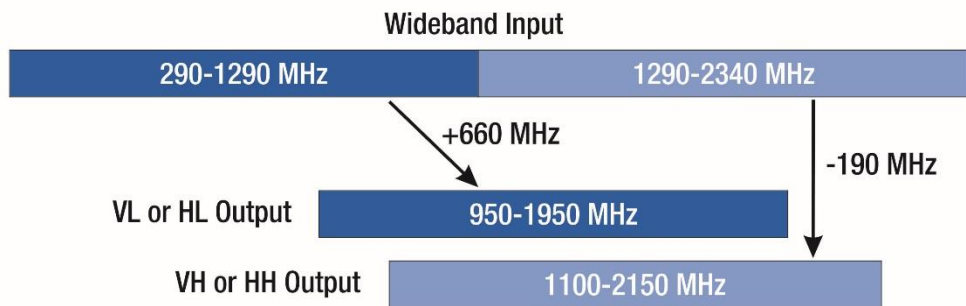
- 2 Wideband inputs for 1 Wideband LNB (290-2340 MHz)
- 4 Quattro outputs (VL, HL, VH, HH / 950-2159 MHz)
- Very low power consumption
- Compact size

Die DC-Supply is provided through the vertical Quattro outputs. It can be inserted through any of the connected devices. In cascaded systems it may be necessary to use several power supplies. The suggested power supplies are the DCT DELTA power supplies NT 20-3.3 F (Item-Nr. 57003401) or NG 2012 (Item-Nr. 57002648).

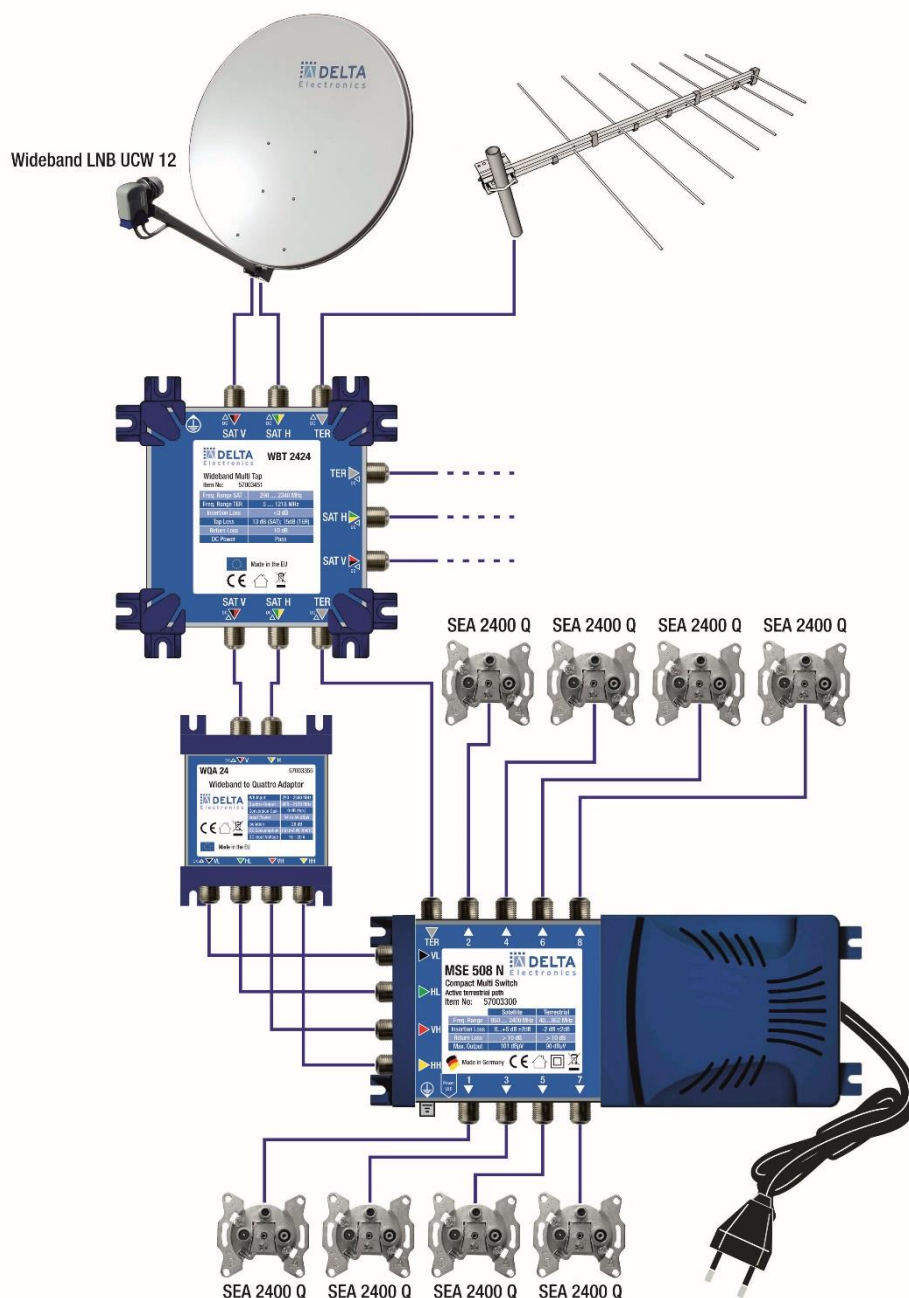
Packing Content

1x Wideband-Quattro-Adaptor WQA 24 (without power supply)

Wideband Conversion



2. INSTALLATION



Application example with Wideband tap and Legacy multi switch

3. TECHNICAL SPECIFICATION

Inputs		
Trunk line inputs	-	2 x Wideband
Frequency Range	Mhz	290 - 2340
Input Level Range	dBµV	54 - 79
Return Loss	dB	≥ 8 (typ. 12)
Bands & Polarities	-	V: Vertical 290 – 2340 MHz H: Horizontal 290 – 2340 MHz
Outputs		
Trunk line outputs	-	4 x Quattro
Frequency Range	MHz	950 - 2150
Output Level Range	dBµV	55 – 80
Conversion Gain	dB	0 – 5
Isolation	dB	26
Bands & Polarities	-	VL: Vertical-Low-Band 950 – 1950 MHz HL: Horizontal-Low-Band 950 – 1950 MHz VH: Vertical-High-Band 1100 – 2150 MHz HH: Horizontal-High-Band 1100 – 2150 MHz
General		
Connectors	-	75 Ohm F type (Female)
DC Supply	V	10 – 20
Max. Power Consumption	mA	< 150 @ 20 V
Power Supply	-	through STB or Multi switch or with Power-Inserter
Abmessungen	mm	90 x 80 x 40
Gewicht	g	110

4. SAFETY INSTRUCTIONS



Please read the instruction carefully before you connect the device



To avoid fire, shortage and electric shocks:

- Never expose the device to rain or humidity.
- Install the device in a dry place without the danger of humidity or condensation.
- Protect the device against dripping and splashing water.
- Don't place any with liquids filled containers onto the device.
- If liquids run into the device, please pull the power plug immediately.



To avoid overheating:

- Install the device in a well ventilated location. To ensure a good ventilation make sure to keep a minimum distance of at least 10 cm to other devices or walls.
- Don't put any things onto the device, that could block the ventilation holes (newspaper, table cloth, curtains, ...).
- Never place open flames like burning candles onto the device.
- Install the device in a dust free environment.
- Use the device only in environments with moderate humidity.
- The minimum and maximum operating temperatures need to be maintained in every season.



To avoid electric shock:

- Connect the device only properly grounded.
- The power plug needs to be easily accessible at all time.
- Pull out the power plug before you make any changes on the installation.
- Under no circumstances open the device as long as it is powered.



Maintenance and care



Only use dry and soft cloth to clean the device



Don't use any solvents



For repair and maintenance please contact qualified installers.



Recycling according to local regulations

5. TERMS OF GUARANTEE

DCT DELTA AG guarantees for a period of 24 months after the purchase, that the device is free of material and production defects.

Should the product show any material or production defects during normal application within the guarantee period, DCT DELTA AG will replace or repair the product at its own discretion. Please bring or send the defect device back to your dealer.

The guarantee is only valid for material and production defects and does not cover defects caused by:

- Abuse or usage of the product outside its specification.
- Installation or usage which is not compliant to the local safety regulations
- Usage of unsuitable accessories (power supplies, adaptors, ...).
- Installation in a not proper environment.
- External sources outside the influence of DCT DELTA AG, like e.g. drop, accident, stroke of lightning, water, fire, insufficient ventilation ...

The guarantee commitment ends even ahead of time if:

- The production date or serial number is not readable anymore or has been changed, deleted, removed or in any other way manipulated.
- The device has been opened or repaired by unauthorized people.

Hereby DCT DELTA AG declares that the radio equipment type Wideband-to-Quattro convertor WQA 24 is in compliance with directive 2014/53/EU. The complete text of the EU declaration of conformity is available at the following internet address:

www.dct-delta.de/service/



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