



## The idea

The devices in the **wagnertools** 100 series are part of an overall system. Identical housing dimensions and a uniform power unit concept characterise the top-grade products in this series. The devices are designed as stand alone units but the use of 19" device carrier means they can also be operated in a rack or switchboard at any time.

## The applications

**Broadcasting companies**

**Television companies**

**PA systems**

**Concerts**

**Theatre**

**Shows and trade-fairs**

**Stadiums**

**Discos and clubs**

**Media centres**

**Multi-purpose halls**

**Sports areas**

**S/PDIF (COAX/OPTO) < > AES/EBU**

**Supplies OPTOXLER®  
optical fiber converter**

**Bi-directional**

**Protocol-transparent**

**Level correction**

**Robust metal housing**

**Night design**

## The company

**wagnertools** products are created by people who have been dealing with the construction, service and maintenance of top grade audio equipment for decades.

# TOX-102

## Digital audio signal converter

The **TOX-102** is an universal bi-directional digital signal converter. It connects digital devices which cannot communicate directly because of different inputs and outputs. The electrical signals are adapted and refreshed and the device doesn't influence the protocol's structure. **TOX-102** offers optical (Toslink),

coaxial (RCA/cinch) and symmetrical inputs and outputs. **optoXLER®** plugs can also be used for longer distances (up to 1500 m). The signals are converted to fiber 50/62.5/125µm. Other protocols <6Mbit can also be converted from plastic optical fibers to fiber.

### Technical data

#### Input:

- 1x XLR female 3pole switchable to AES/EBU according to AES 3-1992 transformer balanced 110 Ω or **optoXLER®** AES external supply 5V DC (pin 3)
- 1x S/P-DIF coaxial 75 Ω (Cinch/RCA) unbalanced IEC 968
- 1x S/P-DIF optical (toslink) according to EIAJ RC-5720

#### Output:

- 1x XLR female 3pole switchable to AES/EBU according to AES 3-1992 transformer balanced 110 Ω or **optoXLER®** AES external supply 5V DC (pin 3)
- 1x S/P-DIF coaxial 75 Ω (Cinch/RCA) unbalanced IEC 968
- 1x S/P-DIF optical (toslink) according to EIAJ RC-5720

**Digital formats:** AES/EBU or S/P-DIF

**Operating mode:** bidirectional

**Jitter:** max. 500 pS

**Signal delay:** max. 40 nS

**Power supply:** 12V DC, 700mA short-circuit-proof

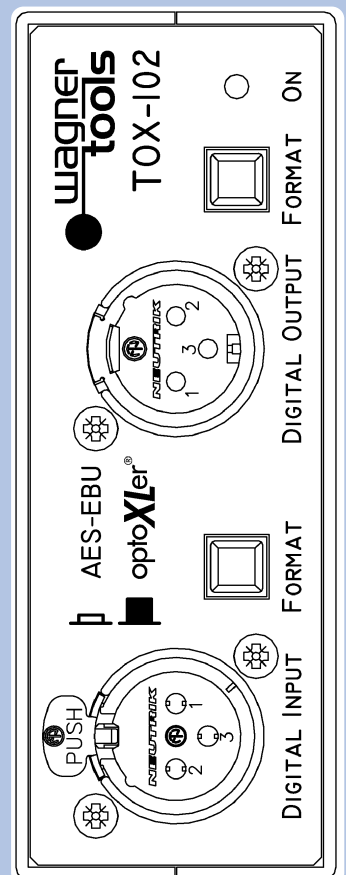
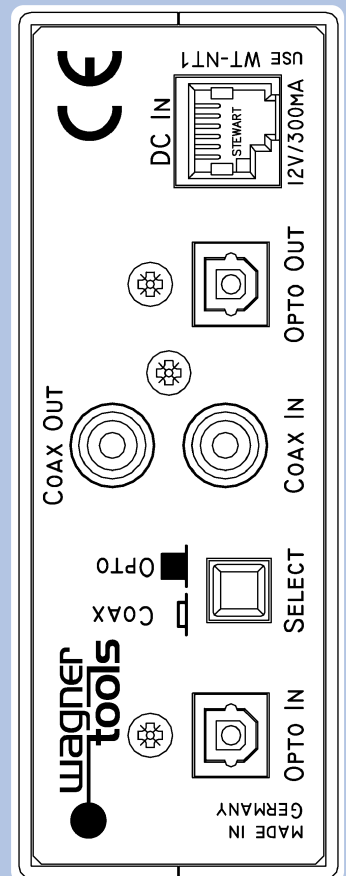
**Environment temperature:** 0° to 70° C

**External supply unit**

**(included):** 12V DC, 700 mA, short-circuit-proof (**wagnertools** NT-1)

**Dimensions:** (WHD) 107,5 x 39,5 x 115mm

**Weight:** 640 g



### Order information

#### wagnertools TOX-102

##### Delivery including:

- TOX-102

- External switch mode power supply NT-1 100-230V AC - 12V DC

##### Optional accessories:

- 19" Frame (R19-1-4)

Your dealer:



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The technical data information specifies the product, it does not guarantee for the product's attributes.