

# DTA1664 DMX Demultiplexer

The DTA demultiplexer allows its user to control all devices with analogue inputs [0/+10V] from theatrical light desk via DMX line.

The DTA contains a DIP-switch that allows for easy start address setting, XLR 3- and 5-pin input and true out connector and a pair of LEDs indicating the DMX line status.

The demultiplexer is powered by a 15V adapter that comes with the device. The output connection is done using four SUB-D 25-pin connectors that are short-circuit protected.

## Power supply

DC 15V, 150mA – 800mA

## Operating temperature

-20 °C to +60 °C

## Housing

Steel housing with powder coating

## Dimensions & Weight

482.6 x 44.5 x 130 mm, 1.5 kg

## Warranty

5 years



## DTA1664 features:

- 64 outputs 0 to +10V
- Optically isolated DMX input with true output
- Over-voltage protection of the DMX input
- LED indication of the DMX line
- DIP switch for the DMX address setting
- Automatic test function
- Over-voltage protection by polyswitch

## DMX input:

- USITT DMX 512 (1990)
- protected by transil diodes – high voltage protection by clamping action (peak power 600W, 10/1000us)

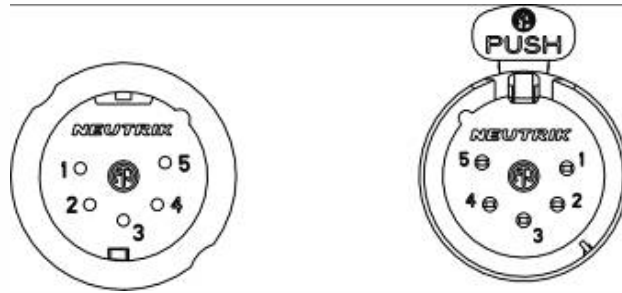
## Analogue outputs:

- 64 x 10mA
- 0-10V, 10mA for each channel
- Short-circuit protection

DTA1664\_en\_datasheet\_M095

### XLR 5-pin connector (Neutrik®):

- Pin 1**      **Data common**
- Pin 2**      **Data -**
- Pin 3**      **Data +**
- Pin 4, 5**    **Not connected**



The DMX output is wired in ration 1:1 to the DMX Input

### SUB-D female output connector:

#### OUTPUT 1:

- Pin 1-16**      **Channel 1-16**
- Pin 19-25**    **GND**

#### OUTPUT 2:

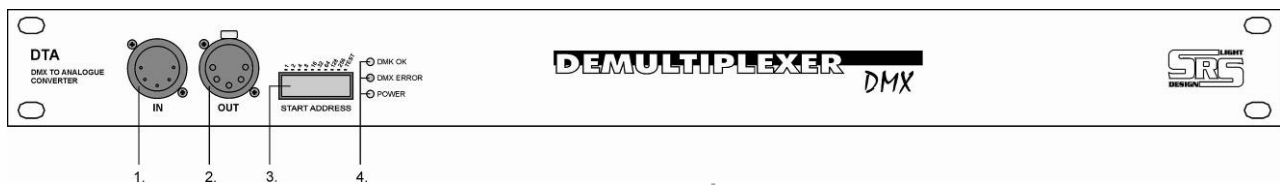
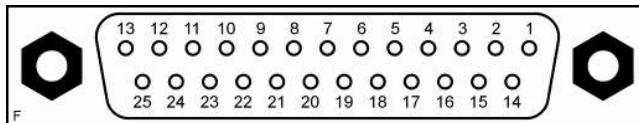
- Pin 1-16**      **Channel 17-32**
- Pin 19-25**    **GND**

#### OUTPUT 3:

- Pin 1-16**      **Channel 33-48**
- Pin 19-25**    **GND**

#### OUTPUT 4:

- Pin 1-16**      **Channel 49-64**
- Pin 19-25**    **GND**



#### Front panel description:

- 1. DMX input**
- 2. DMX output**
- 3. Switch DMX start address (UP for ON)**
- 4. LED indication: power, DMX OK, DMX error**

#### Rear panel description:

- 1. Power supply connector**
- 2. SUB-D female output 1**
- 3. SUB-D female output 2**
- 4. SUB-D female output 3**
- 5. SUB-D female output 4**

