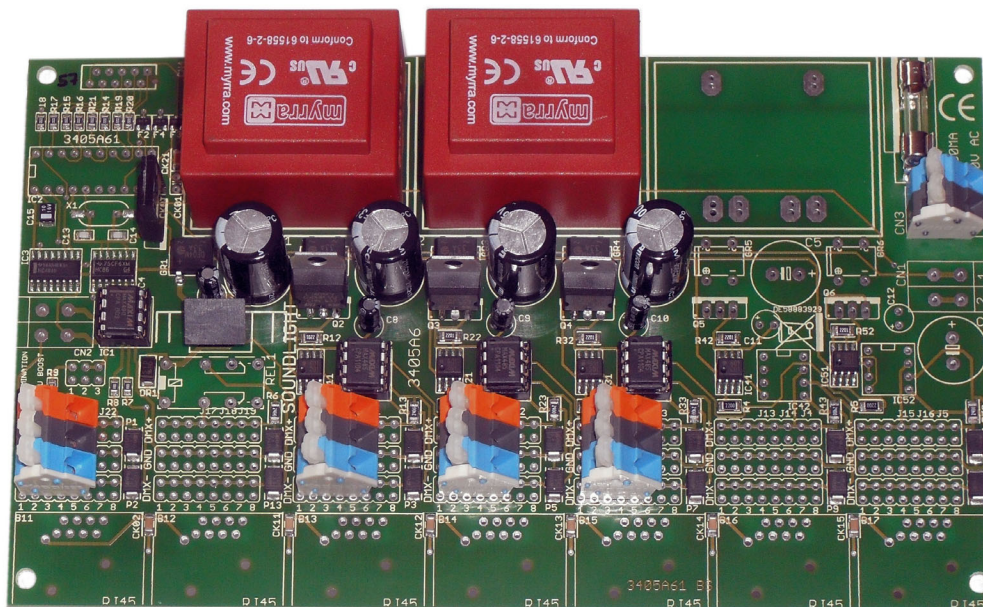


OPERATING MANUAL

DMX Booster/Splitter 3403A-LC



RoHS
compliant

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Thank you for choosing a SOUNDLIGHT device.

The SOUNDLIGHT DMX Splitter/Booster 3403A-LC is a highly sophisticated device, which was designed to buffer and distribute DMX light control signals complying with USITT standard DMX-512 or DIN 56930/2, respectively. The unit can be used with all standard light control systems.

Its special advantages include:

- universal protocol handling
Accepts all versions of standard DMX (USITT DMX512/1990, ANSI E-11 DMX512-A, DIN56930-2)
- unlimited channel count
The number of DMX channels sent or received does not affect the operation of the DMX splitter/booster 34xxA, as the unit can handle all transmission lengths.
- other protocols available
Besides DMX512, the unit can handle all RS-485 based transmission protocols, such as AVAB, MARTIN, HIGH END SYSTEMS et al.
- cost-effective
The SOUNDLIGHT 3403A-LC is a cost-effective solution for many purposes.

VERSIONS

SOUNDLIGHT booster / splitter devices are available as pcb (printed circuit board), DIN rail mount or as 19inch rack mount units. There are several versions available:

Printed Circuit boards:

3401A-EP	Isolating DMX512 line buffer / amplifier
3402A-EP	Isolating DMX512 splitter, 2 outputs, XLR5
3403A-LC	Isolating DMX512 splitter, 3 outputs, cage clamp contacts
3405A-EP	Isolating DMX512 splitter, 2 outputs, XLR5, display

DIN rail units:

3402A-H	Isolating DMX512 line buffer / amplifier	DMX RDM compatible
3404A-H	Isolating DMX512 splitter, 4 outputs	Common isolation barrier
3404B-H	Isolating DMX512 splitter, 4 outputs	4 separate isolation barriers
3404C-H	Isolating DMX512 splitter, 4 outputs	DMX RDM compatible

19" rack mount units, housed units

3402A-FG	1x DMX IN, 2x DMX OUT	boxed unit
3405A-FG	1x DMX IN, 1x DMX THRU, 5x DMX OUT	19" 1U, XLR5
3405A-FGR	1x DMX IN, 1x DMX THRU, 5x DMX OUT	19" 1U, RJ45 (EtherCon)
3408A-FG	1x DMX IN, 1x DMX THRU, 8x DMX OUT	19" 1U, DMX RDM compatible
3410A-FG	1x DMX IN, 1x DMX THRU, 10x DMX OUT	19" 1U, XLR5
3410A-FGR	1x DMX IN, 1x DMX THRU, 10x DMX OUT	19" 1U, RJ45 (EtherCon)

SAFETY NOTE

This device uses line voltage (230V AC). Line voltage can be dangerous to life. The unit must be installed by qualified technicians only, applicable safety measures must be obeyed. Always disconnect unit from mains when making any connections to the booster/splitter board.



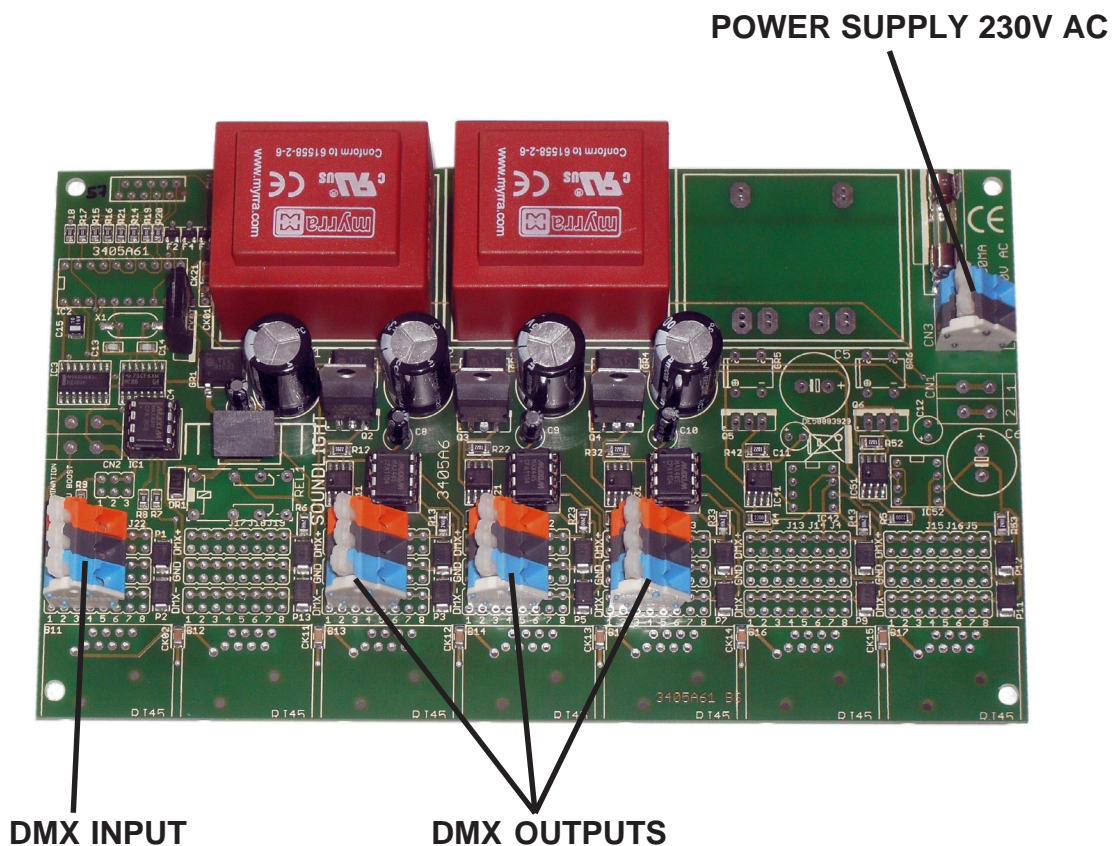
CONNECTORS

The booster/splitter is using cage clamp connectors for both, input and output. This type of connector features high reliability and can be used with stranded or solid wires.

Contact assignment:

DMX INPUT / OUT		3-PIN
Pin 1	GREY	Shield / GND
Pin 2	BLUE	DMX - (inverted)
Pin 3	ORANGE	DMX + (true)

POWER SUPPLY		2-PIN
Pin 1	BLUE	NEUTRAL
Pin 2	GREY	230V AC 50/60Hz



TECHNICAL DATA

Dimensions:	188mm x 110mm
Supply:	230V AC 50&60 Hz approx. 6W
Fuse:	0,16A fast blow
DMX IN:	1 Unit Load
DMX OUT:	>10 unit load, buffered, optically isolated, high speed driver
Order No.:	3403A-LC

INTERNET-HOTLINE

Please check our internet domain <http://www.soundlight.de> for new versions, updates etc. If you have any comments which may be worth considering, please send a message to info@soundlight.de.

DISTURBANCES

If a trouble-free operation cannot be guaranteed, disconnect the booster/splitter and secure it against unwanted operation. This is especially necessary, when

- the unit has visible damages;
- the unit does not operate;
- internal parts are loose;
- connection cables show visible damages.

CE CONFORMITY



This DMX splitter/booster interface does not use any active radio frequency generating parts. The interface has been tested in our EMC lab to comply with EN50022B and IEC65/144. To ensure the best performance regarding radiated and conducted emissions the interface card must be installed in a closed, conductive (e.g. metal) housing, which must be connected to GND.

Please make sure that shielded data cable is used and the shield is connected properly to the GND clamp. Signal shield must never make contact to other signal lines.

LIMITED WARRANTY

This instrument is warranted against defects in materials and workmanship for a period of 12 months, beginning with the date of purchase. The warranty is limited to repair or exchange of the hardware product; no further liability is assumed. SOUNDLIGHT is not responsible for damages or for loss of data, sales or profit which arise from usage or breakdown of the hardware product. In Germany, SOUNDLIGHT will repair or replace established defects in hardware, provided that the defective part is sent in, freight paid, through the responsible dealer along with warranty card and/or sales receipt prior to expiration of warranty.

Warranty is void:

- when modifying or trying to repair the unit without authorisation;
- modification of the circuitry;
- damages by interference of other persons;
- operation which is not in accordance with the manual;
- connection to wrong voltage or current;
- misuse.

END-OF-LIFETIME



When the end of lifetime of this product has been reached, it must be disposed of properly. Electronic devices are NOT domestic waste. Consult your local authorities where to find the nearest electronic waste collection point. SOUNDLIGHT is registered in the electronic materials collection and recycling system (WEEE DE 58883929).

SERVICE

There are no parts within the booster/splitter 3403A-LC which require the user's attention. Should your unit require servicing, please send it to the factory, freight paid.