

## OPERATING MANUAL

**DMX Booster/Splitter 3405A-FG**  
**DMX Booster/Splitter 3410A-FG**  
**DMX Booster/Splitter 3420A-FG**



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## Thank you for choosing a SOUNDLIGHT device.

The SOUNDLIGHT DMX Splitter/Booster 34xxA 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 decoding  
Recognizes all variants of the protocol as defined by USITT/ESTA/DIN and displays the number of DMX channels received;
- future-proof  
The unit is software controlled and can be adapted to any change in protocol definition;
- 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. When using other protocols as DMX512, the channel display, however, will not work.
- cost-effective  
The SOUNDLIGHT 3405A / 3410A / 3420A is a cost-effective solution for many purposes.

## VERSIONS

The booster / splitter is available as pcb (printed circuit board) or as 19inch rack mount unit. There are three versions available:

3405A	1x DMX IN, 1x DMX THRU, 5x DMX OUT
3410A	1x DMX IN, 1x DMX THRU, 10x DMX OUT
3420A	1x DMX IN, 1x DMX THRU, 20x DMX OUT

## CONNECTORS

The booster/splitter is using 5/pin XLR connectors for both, input and output. This type of connector has been standardized by USITT and by DIN.

Contact assignment:

Pin 1	screen / GND
Pin 2	DMX - (inverted)
Pin 3	DMX + (normal)
Pin 4	not used
Pin 5	not used

The input signal is directly fed to the THRU connector; all other outputs are optically isolated, and are GND- and potential-free.

## SIGNAL INDICATORS

The state of the booster/splitter card is signalled by a 3-digit LED display.

ERROR CHANNELS      no reception, or non-standard signal (e.g. other RS-485 protocol)  
reception o.k., number of channels received is being displayed

## TECHNICAL DATA

Dimensions      19 inch x 165 mm  
Supply:          230V AC 50&60 Hz approx. 9...14W  
DMX IN:          1 Unit Load  
DMX OUT:        >10 unit load, buffered, optically isolated, SRL driver  
Order No.:       34xxA-FG    xx = 05 / 10 / 20

## 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](mailto: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.

## 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



If the end of lifetime of this product has been reached, it must be disposed of properly. Electronic devices are NOT domestic waste. SOUNDLIGHT is registered in the electronic materials collection and recycling system (EAR).

## SERVICE

There are no parts within the booster/splitter 34xxA which require the user's attention. Should your unit require servicing, please send it to the factory, freight paid.