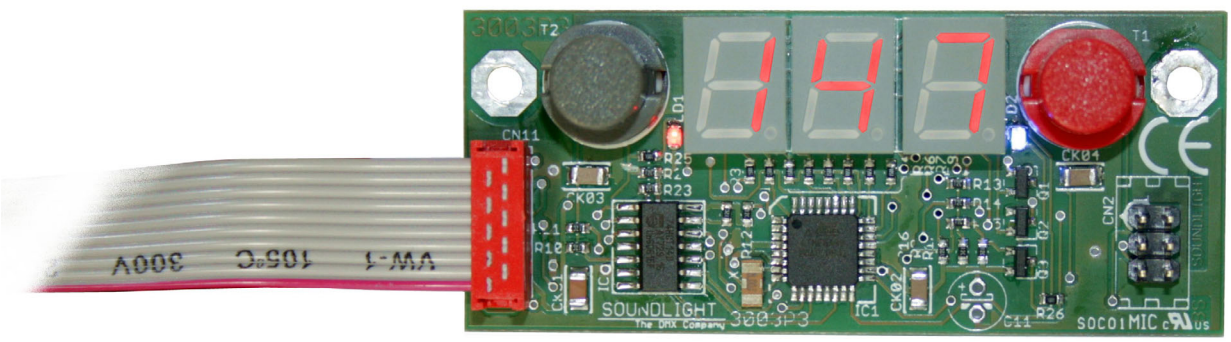
OPERATING MANUAL

DMX Start Address Board 3003P Mk3 RDM



DMX RDM

RoHS compliant

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Thank you for choosing a SOUNDLIGHT device.

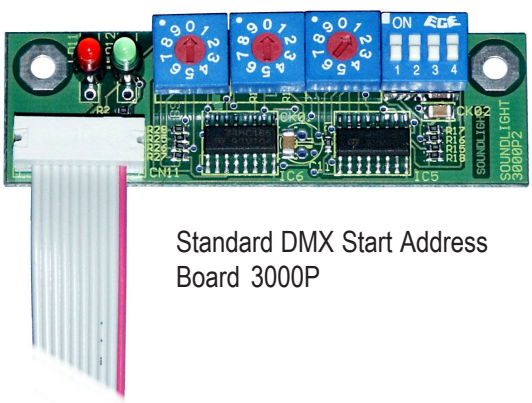
The SOUNDLIGHT DMX start address board 3003P is a simple to use setup device to set DMX start address and DMX personality of its host device. The 3003P can replace the 3000P or 3005P.

- future-proof
  The stard address board is software controlled and allows easy upgrades in functionality for future amendmends of the new DMX RDM standard. The address board can be used with all SOUNDLIGHT RDM compatible DMX decoders.

- Power fail proof
  All settings are retained in nonvolatile memory.

- cost-effective
  The SOUNDLIGHT 3003P is a cost-effective solution for many purposes.

Applications



Standard DMX Start Address Board 3000P

The LED display start address 3003P has been designed as alternative solution to the standard switch start address board 3000P. All functions of the 3000P are emulated by the 3003P. Standard settings include:
- start address
- DMX personality
- DMX HOLD mode

Connectors

Connection to the host device is via a 10-conductor ribbon cable.

Start address

It is a common feature for home automation devices to refrain from setup switches. The 3003P satisfies this requirement and stores all settings in nonvolatile memory, as does the host device. The start address is read from the host device (RDM compatible devices only); is must be set on the start address board otherwise. For non-RDM compatible devices we recommend to suppress start address reading; refer to chapter "Additional functions: RDM mode" to disable address reading for non-RDM host devices.

DMX Start Address Setup

The start address is being set digit by digit, beginning the the hundreds position- the tens, then ones. After setting the start address, DIP-switch emulations S1, S2, S3, S3 can be set. Thus the functionality setup

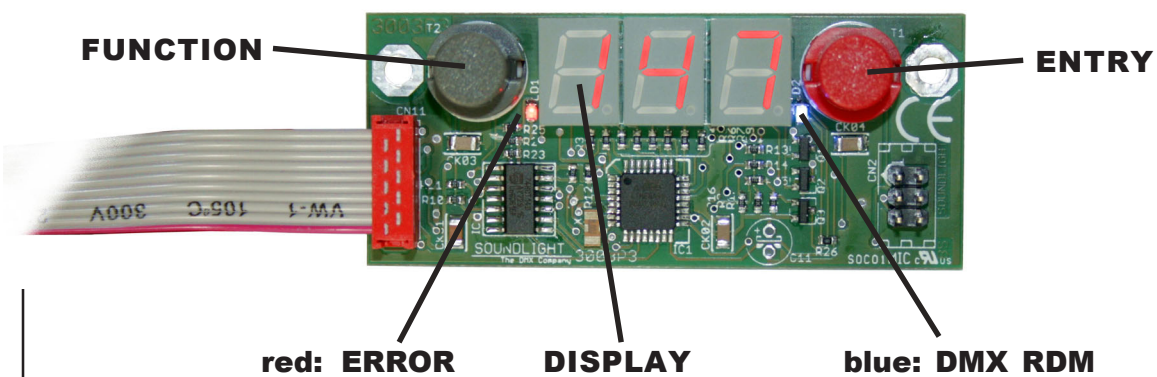
exactly resembles the 3000P start address board. For siwtch assignments and switch functionality, pls refer to the host device manual, chapter "DIP Switch settings".

Proceed as follows:

- Press left key (1) until "Adr" is being displayed.
- Press right to confirm. The "hundreds" position will start blinking.
- Click right repeatedly to set the "hundreds" to the desired value.
- Click left to confirm; the "tens" position will start blinking.
- Click right repeatedly to set the "tens" to the desired value.
- Click left to confirm; the "ones" position will start blinking.
- Click right repeatedly to set the "ones" to the desired value.
- Click left, "Adr" will appear again.
- Click left again, "S1" will be displayed. This is the setting for DIP switch 1.
- Click left again to proceed to "S2", then "S3", then "S4".
- Each of these settings allows to select "on" or "off" clicking the right button.
- Waiting for about 5 seconds after the last key press will display "rec" and save all settings.

Display

As with the 3000P, DMX data signal loss is displayed on a extra DMX Error LED. Additionally, the LED display will show "Err" (blinking).



To suppress the LED display in dark environments select setting "diS" (display) and choose parameter "off" to disable the display when not in setup mode.

Additional functions

Additional functions include:

1. Display turn off
   The display can be turned off using the "dis" setup function. The display will automatically revert to "on" while entries are being made.

2. RDM mode (default setup)
   RDM compatible host devices transmit the actual start address setting to the start address board. Legacy devices (Standard devices) do nat have this functionality. We recommend to disable address readback when using legacy equipment. (see below: "Standard Mode")

Standard Mode

The standard mode ("compatibility mode") must be used for legacy (non-RDM) host devices to suppress address read-back. The set the start address board 3003P to standard mode, proceed as follows:

- Switch off the host device
- Press both buttons on the 3003P, hold and re-power host device
- Release both buttons
- Click right until "Std" is being displayed
- Click left to leave the setup mode and return to normal operation.

The 3003P can also be used with RDM compatible host devices when in standard mode. Then, however, address readback from the host device is prohibited. The address displayed is the setting of the start address baord and not necessarily that of the host devices. Address changed issued by RDM command will then *not* be reflected by the start address board.

Re-set to RDM compatible mode similarly. Simply select "rdn" to re-enable address readback mode.

Technical Data

Dimensions:	75 mm x 30 mm
Power Supply:	from host device
Operating temperature:	0...+50C
Storage temperature:	-20...+70C
Marking:	CE, UL
Order Code.:	3003P

DISTURBANCES

If a trouble-free operation cannot be guaranteed, disconnect the startv address board 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 DMX interface ist warranted against defects in metarials and workmanship for a period of 24 month, 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 arccordance with the manual;

- connection to wrong voltage or current;
- misuse.

CE CONFORMITY

This DMX relay is microprocessor controlled and uses high frequency. The interface has been tested in our EMC lab to comply with DIN EN55015 for lighting control equipment.

FCC STATEMENT

This product has been tested and complies with the specifications for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used according to the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which is found by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment or devices
- Connect the equipment to an outlet other than the receiver's
- Consult a dealer or an experienced radio/TV technician for assistance

FCC Caution: Any change or modification to the product not expressly approved by SLH could void the user's authority to operate the device.

SERVICE

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

END OF LIFETIME

When the useful lifetime of this product has been reched, it must be disposed of properly. Electronic devices must not be placed in domestic waste. Consult your local authorities to find the nearest collection point of used electric and electronic devices. SOUNDLIGHT is a WEEE registered company (Reg No. DE58883929).

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 ***support@soundlight.de***. We will check your message and reply accordingly.