

## **OPERATING MANUAL DMX Address Board 3005P Mk1 RDM**



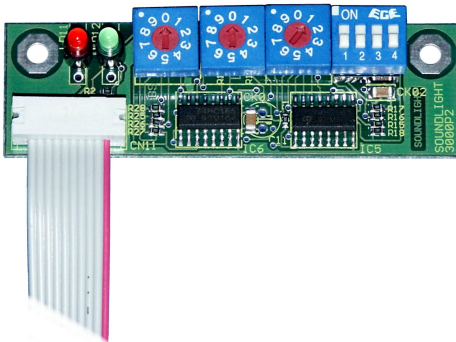
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## Thank you for specifying SOUNDLIGHT.

The SOUNDLIGHT address board 3005P is a simple to use adapter, which can be used to replace the standard switch board 3000P, featuring improved ease of use and simplified handling. Its special advantages include:

- Future-proof: Using software control, the 3005P can easily be adapted to future needs. The 3005P is also well suited for use with RDM compatible equipment.
- Failsafe: At power loss, the last valid setting will be retained in memory.
- Economical: The SOUNDLIGHT 3005P is a low cost interface for universal application.

## Applications



The start address board 3005P can be used as standard start address programmer for all SOUNDLIGHT DMX or DMX RDM interfaces. Using text messaging, communication is easy and straightforward. The programmer is menu driven and can emulate all functions of the standard switch address board 3000P (pictured left).

## Connection

The address board comes with a ribbon cable which plugs into the address board connector of the host device. The address board is powered from the host device.

## Initialization

It is a common practise with building control systems to refrain from switches or potentiometers for parameter setting. Instead, all parameters are communicated digitally and stored in nonvolatile memory. When powering up the interface for the first time, all settings are reset to default settings. If at any time the address programmer has been reconfigured such, that normal operation is being affected (e.g. setting the contrast to zero which makes it impossible to read the display anymore), you may reset the 3005P to default settings. Proceed as follows:

- Detach the address board (unplug from the host interface while powered on)
- Keep the encoder button pressed
- Reconnect the address board
- Release the button as soon as "Initialization succesful" is displayed
- Wait for 10 seconds, or unplug and re-connect the address board
- All parameters will be reset to default settings.

# Setting the Start Address

Call the menu to set the start address.  
To do so, please proceed as follows:

- Press the encoder key to call the menu.
- Turn the encoder shaft to display "START ADDESS"
- Press to select the data entry menu
- Turn until the desired address is reached
- Press to program the address setting

## General notice:

- When waiting for more than five seconds after selecting a menu or entering data the current operation will be cancelled automatically and the device will return to the main menu.

When entering data successfully, it may take some more seconds until the data will have been transferred into the host device. Completion of this process will be signalled by the host device status LEDs (red and green blinking four times alternatively).

## Signal Display

Presence of the DMX control signal will be indicated on the ERROR LED. When the DMX signal is missing or cannot be read, the LED is blinking.

## Menu

The menu consists of several Sub-Menus.

- 1. START ADDRESS** selects the DMX start address
- 2. HOLD-MODE** selects the HOLD mode
  - SET ALL TO OFF - all outputs off at data loss
  - SET ALL TO ON - all outputs ON at data loss
  - KEEP LAST LOOK - outputs remain at last valid level before control signal loss
- 3. PERSONALITY** selects the DMX personalty of the host module
  - PERSONALITY 1
  - PERSONALITY 2
  - PERSONALITY 3
  - PERSONALITY 4

Please note: the personality may differ regarding of type of the connected host device. Please refer to the host device manual to find a description of the personality settings available.

- 4. DISPLAY CONTRAST** set the contrast to obtain best display readability
- 5. BACKLIGHT INTENSITY** set to yield best visibility.  
*(note: only available with negative blue display (option))*

## 6. DEFAULT SETTINGS

- NO no settings, leave menu
- YES: reset to default settings

## 7. EXIT

leave menu

## RDM- Mode (automatic)

When connected to RDM capable host devices, the start address, the personality and the DMX HOLD mode will automatically be read from the host device. When any of these settings is being changed by RDM, the changed current setting will be displayed on the 3005P.

## Standard Mode

In order to increase compatibility with DMX-only devices (non-RDM equipment), the address board can be reset to a non-RDM mode. Non-RDM devices do not supply address or personality data, thus reading of these registers is prohibited then. To force the addresser to standard mode, proceed as follows:

- Select menu "Default Settings"
- choose "Non RDM Mode"
- Press to confirm

The 3005P can be used with RDM equipment when in standard mode, but actual data cannot be read back then. Thus it is strongly advised to revert to RDM mode whenever possible.

**IMPORTANT:** When in standard mode, the address displayed in standard mode is always the start address stored in the start address board 3005P. The RDM host device setting may differ!

## Technical Data

Dimensions:	122 mm x 30 mm
Power supply:	from host device
Operating temperature:	0...+50C
Storage temperature:	-20...+70C
Marking:	CE
Order Code:	3005P

## CE Conformity



This display card is microprocessor controlled and uses high frequency (8 Mhz quartz). The interface has been tested in our EMC lab to comply with En55015 and IEC65/144.

To ensure the best performance regarding radiated and conducted emissions we suggest to install the interface in a closed, conductive (e.g. metal) housing, which must be connected to GND.

## 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.

## Disturbances

If a trouble-free operation cannot be guaranteed, disconnect the interface 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 is warranted against defects in materials and workmanship for a period of 24 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.

## Service

There are no parts within the 3005P address board 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 reached, 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).

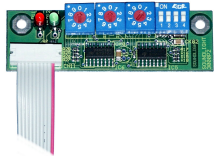
## Internet Hotline

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](mailto:support@soundlight.de). We will check your message and reply accordingly.

Updated and foreign language manuals can be downloaded from [www.manuals.soundlight.de](http://www.manuals.soundlight.de)

## Accessories

To set the DMX start address and change the operating parameters, a DMX start address board is needed. These boards are optionally available:



### DMX START ADDRESS BOARD 3000P

Three address BCD switches and a DIP switch to set operating parameters. This is the standard board, which is compatible with all our decoders (both PCB and DIN rail mount)



### DMX START ADDRESS BOARD 3003P RDM

Start address board with LED display and pushbuttons to set the DMX start address. Address is retained in nonvolatile onboard memory, two settings may be stored.

DIP switches are emulated by soft functions F1...F4.

Start address boards are not contained with DIN rail mount decoders and must always be ordered separately.

## Product Page



Find more information on the product page, which can be accessed on

[www.soundlight.de/produkte/3005p](http://www.soundlight.de/produkte/3005p)

For more information regarding DMX RDM, please see:

[www.rdm.soundlight.de](http://www.rdm.soundlight.de)