



# SB-16

ORDERCODE 50317



**SHOWELECTRONICS FOR PROFESSIONALS**

## **Congratulations!**

You have bought a great, innovative product from Showtec.

The Showtec SB-16 brings excitement to any venue. Whether you want simple plug-&-play action or a sophisticated DMX show, this product provides the effect you need.

You can rely on Showtec, for more excellent lighting products.

We design and manufacture professional light equipment for the entertainment industry.

New products are being launched regularly. We work hard to keep you, our customer, satisfied.

For more information: [iwant@showtec.info](mailto:iwant@showtec.info)

You can get some of the best quality, best priced products on the market from Showtec.

So next time, turn to Showtec for more great lighting equipment.

Always get the best -- with Showtec !

Thank you!



# Showtec

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## Showtec SB-16™ Product Guide

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## WARNING



**FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY  
BEFORE YOUR INITIAL START-UP!**

## SAFETY INSTRUCTIONS

Every person involved with the installation, operation and maintenance of this device have to:

- be qualified
- follow the instructions of this manual



Before your initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the device.

To maintain perfect condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.

Please consider that damages caused by manual modifications to the device are not subject to warranty.

This device contains no user-serviceable parts. Refer servicing to qualified technicians only.

### **IMPORTANT:**

*The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.*

- Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution!
- Provide occasional ventilation during use.
- Place this unit in a stable location, away from humidity, vibration or bumps.
- Never remove warning or informative labels from the unit.
- Do not insert objects into air vents.
- Do not switch the device on and off in short intervals, as this would reduce the system's life.
- Do not open the device.
- Only use device indoor, avoid contact with water or other liquids.
- Avoid flames and do not put close to flammable liquids or gases.
- Always disconnect power from the mains, when device is not used or before cleaning! Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.
- Make sure that the available voltage is not higher than stated on the rear panel.
- Make sure that the power-cord is never crimped or damaged. Check the device and the power-cord from time to time.
- In case of a malfunction (burning smell, etc.), immediately stop operation, disconnect power and contact your Showtec dealer.
- If device is dropped or struck, disconnect mains power supply immediately. Have a qualified engineer inspect for safety before operating.

- If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.
- If your Showtec device fails to work properly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Showtec dealer for service.
- For replacement use fuses of same type and rating only.
- This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- WARRANTY: Till one year after date of purchase.

## OPERATING DETERMINATIONS

If this device is operated in any other way, than the one described in this manual, the product may suffer damages and the warranty becomes void.


Any other operation may lead to dangers like short-circuit, burns, electric shock, explosion, crash etc. You endanger your own safety and the safety of others!

*Improper installation can cause serious damage to people and property !*

### Connection with the mains

Connect the device to the mains with the power-plug.

Always pay attention, that the right color cable is connected to the right place.

Cable	Pin	International
BROWN	FASE	L
BLUE	NUL	N
YELLOW/GREEN	EARTH	

Make sure that the device is always connected properly to the earth!

## Description of the device

### Features

- 16 channel DMX switchboard
- Connect to any DMX switchpack or dimmerpack.
- Two 3-pole XLR DMX Outputs
- Startadress for the SB-16 is DMX channel 1
- Equipped with 2 parallel outputs.

### Overview



Fig. 1

### Backside



Fig. 2

- 1) Power switch ON/OFF
- 2) 16 channel DMX switchboard
- 3) 3x XLR Output
- 4) Power Supply 12V DC

### Installation

Remove all packing materials from the SB-16. Check that all foam and plastic padding is removed. Connect all cables.

**Always disconnect from electric mains power supply before cleaning or servicing.**

**Damages caused by non-observance are not subject to warranty.**

### Set Up and Operation

Before plugging the unit in, always make sure that the power supply matches the product specification voltage. Do not attempt to operate a 120V specification product on 230V power, or vice versa.

## **Maintenance**

The Showtec SB-16 requires almost no maintenance. However, you should keep the unit clean. Disconnect the mains power supply, and then wipe the cover with a damp cloth. Do not immerse in liquid. Keep connections clean. Disconnect electric power, and then wipe the audio connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

### **Replacing a Fuse**

You don't have to replace a fuse on this device. The fuse is an automatic fuse, which means in case of a power surge, short-circuit or inappropriate electrical power supply, you simply have to push the reset-button on the back, and the strobe will function as before.

You may want to check why the problem occurred, so you can prevent this in the future.

## **Troubleshooting**

This troubleshooting guide is meant to help solve simple problems. If a problem occurs, carry out the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out following steps.

If the SB-16 does not operate properly, refer servicing to a technician. If the fuse is burned out, replace the broken fuse with a new one, with the same specifications.

Response: Suspect two potential problem areas: the power supply or the fuse.

1. Power supply. Check that the unit is plugged into an appropriate power supply.
2. The fuse. See page 5 for the fuse.

## Product Specification

Model: Showtec SB-16

Voltage: AC 230V-50Hz (CE)

Power Supply 12V DC

Power Consumption 5W

DMX-512 (Channel 1-16)

Two 3 pole XLR DMX Outputs

Dimensions: 482x63x44mm (LxWxH)

Height: 19 1U

Weight 1,5 kg

Design and product specifications are subject to change without prior notice.





## Other Showtec Products:

### DJ Switch 6 (50363)



6 Channel switchboard. Schuko outlets on backside 5 A per channel. 15 A total load. Fuses on frontpanel.

### DJ Switch 8 (50309)



8 Channel switchboard. Schuko outlets on backside 5 A per channel. 15 A total load. Fuses on frontpanel.

### DJ Switch 10 (50364)



10 Channel switchboard. Schuko outlets on backside 5 A per channel. 15 A total load. Fuses on frontpanel.

### DJ Switch 10F (50365)



10 Channel switchboard with flash buttons. Schuko outlets on backside 5 A per channel. 15 A total load. Fuses on frontpanel.



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