



# StrobeCon-100

ORDERCODE 40209



**SHOWELECTRONICS FOR PROFESSIONALS**

## **Congratulations!**

You have bought a great, innovative product from Showtec.

The Showtec StrobeCon-100 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 StrobeCon-100™ Product Guide**

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## WARNING



**CAUTION!**  
**Keep this device away from rain and moisture!**  
**Unplug mains lead before opening the housing!**



**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 has to:

- be qualified
- follow the instructions of this manual



**CAUTION! Be careful with your operations.**  
**With a dangerous voltage you can suffer**  
**a dangerous electric shock when touching the wires!**



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!
- Never remove warning or informative labels from the unit.
- Never use anything to cover the ground contact.
- Never leave any cables lying around.
- Never modify, bend, mechanically strain, put pressure on, pull or heat up the power cord.
- Never strain the cable insert or the female part in the device. There must always be sufficient cable going to the device. Otherwise, the cable will be damaged, which can cause serious damage.
- Do not insert objects into air vents.
- Do not connect this device to a dimmerpack.
- Do not shake the device. Avoid brute force when installing or operating the device.
- Only use device indoor, avoid contact with water or other liquids.
- Only operate the device after having familiarized with its functions.
- Avoid flames and do not put close to flammable liquids or gases.
- Always keep case closed while operating.
- Always allow free air space of at least 50 cm around the unit for ventilation.
- 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 device is not exposed to extreme heat, moisture or dust.
- 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.

- Make sure that the core diameter of extension cords and power cords is sufficient for the required power consumption of the device.
- If device is dropped or struck, disconnect main 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 adult use only. Device must be installed out of the reach of children. Never leave the unit running unattended.
- For replacement use fuse of same type and rating only.
- Keep away from direct insulation.
- The user is responsible for correct positioning and operating of the StrobeCon-100. The manufacturer will not accept liability for damages caused by the misuse or incorrect installation of this device.
- This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.
- The relative humidity must not exceed 50 % with an ambient temperature of 45° C.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- WARRANTY: Till one year after date of purchase.



**CAUTION ! EYEDAMAGES !.**  
**Avoid looking directly into the light source.**  
**(meant especially for epileptics) !**



## OPERATING DETERMINATIONS

This device is not designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for a long time without defects.

The minimum distance between light-output and the illuminated surface must be more than 0.8 meter.

The maximum ambient temperature  $t_a$  must never be exceeded.

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, lamp explosion, crash etc.

*You endanger your own safety and the safety of others!*

## Rigging

*Please follow the European and national guidelines concerning rigging, trussing and all other safety issues.*

*Do not attempt the installation yourself !*

*Always let the installation be carried out by an authorized dealer !*

### Procedure:


- If a strobe is lowered from the ceiling or high joists, professional trussing systems have to be used.
- Use a clamp to mount a strobe, with the mounting-bracket, to the trussing system.
- A strobe must never be fixed swinging freely in the room.
- The installation must always be secured with a safety attachment, e.g. an appropriate safety net or safety-cable.
- When rigging, derigging or servicing the strobe, always make sure, that the area below the installation place is blocked and staying in the area is forbidden.

*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	NEUTRAL	N
YELLOW/GREEN	EARTH	

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

## Description of the device

### Features

The Showtec StrobeCon-100 is a Strobe Controller.

- Control up to 8 strobes
- Flash rate adjustable

### Overview



Fig. 1

### Backside

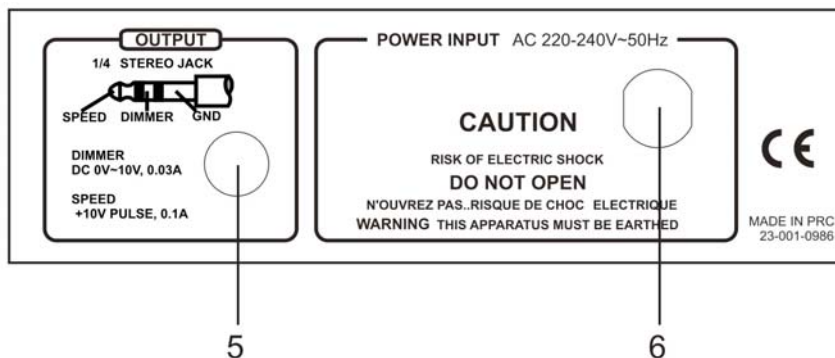


Fig. 2

#### 1) Stand-by / Run switch

Push the switch to turn the power on.

#### 2) Flash / Audio Switch

Push the switch to enter AUDIO mode, the strobe will be controlled by music rhythms detected by the built-in microphone. Push the switch again, the controller enters FLASH mode, the strobe will flash dependent on the pre-set program.

#### 3) Speed Control

This control adjusts the flash speed of the strobe.

#### 4) Dimmer Control

This control adjusts the dimming level of the strobe

#### 5) 1/4" Stereo Jack

DIMMER and SPEED output

#### 6) Power Input

Plug the cable in an AC 220-240V ~ 50 Hz

## Set Up and Operation

Follow the directions below, as they pertain to your preferred operation mode.

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.

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

1. Plug the power cable into the wall.
2. Connect a strobe to the mono jack-output
3. Connect every unit with a 3-pin XLR cable.

## Maintenance

The Showtec StrobeCon-100 requires almost no maintenance. However, you should keep the unit clean. Otherwise, the fixture's light-output will be significantly reduced. Disconnect the mains power supply, and then wipe the cover with a damp cloth. Do not immerse in liquid. Wipe glass clean with glass cleaner and a soft cloth. Do not use alcohol or solvents.

The glass will require regular cleaning, as smoke-fluid tends to build up residues, reducing the light-output quickly.

Keep connections clean. Disconnect electric power, and then wipe the DMX and audio connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

The following points have to be considered during the inspection:

1. All screws used for installing the device or parts of the device have to be tightly connected and must not be corroded.
2. There may not be any deformations on housings, fixations and installation spots.
3. The electric power supply cables must not show any damages or material fatigue.

## 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 light effect does not operate properly, refer servicing to a technician.

Check that the unit is plugged into an appropriate power supply.

## No Response

Response: Suspect the Jack cable or connectors, a controller malfunction, a light effect DMX card malfunction.

1. Check the Jack cable: Unplug the unit; change the Jack cable; then reconnect to electrical power. Try your control again.
2. Determine whether the controller or light effect is at fault. Does the controller operate properly with other products? If not, take the controller in for repair. If so, take the Jack cable and the light effect to a qualified technician.



## **Product Specification**

Model: Showtec StrobeCon-100

Voltage: 240V-50Hz (CE)

Dimmer Output: DC 0-10V, 30mA max.

Flash rate (1 flash -- 20 flashes/sec.)

Dimensions: 130x42x155mm (LxWxH)

Weight: 0,5 kg

\*: Versions for other lamps may be produced. Please check the specification label on your product.

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





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