



StrobeCon-4

ORDERCODE 40233



SHOWELECTRONICS FOR PROFESSIONALS

Congratulations!

You have bought a great, innovative product from Showtec.

The Showtec StrobeCon-4 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.

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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!



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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-4. 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-4 is a Strobe Controller.

- 4 channel strobe controller
- 4 analog outputs and 1 DMX 512 output
- 17 strobe patterns+ 1 auto program
- Audio- or Speedcontrol
- Speedcontrol 1-99 / min.
- Flash rate adjustable (1 flash/3 sec. – 7 flashes/ sec.)
- Dimmer 100%
- Full-on
- Use the StrobeCon- 4 to work with Showtec Black Widow Strobe (40213) - no dimming

Overview

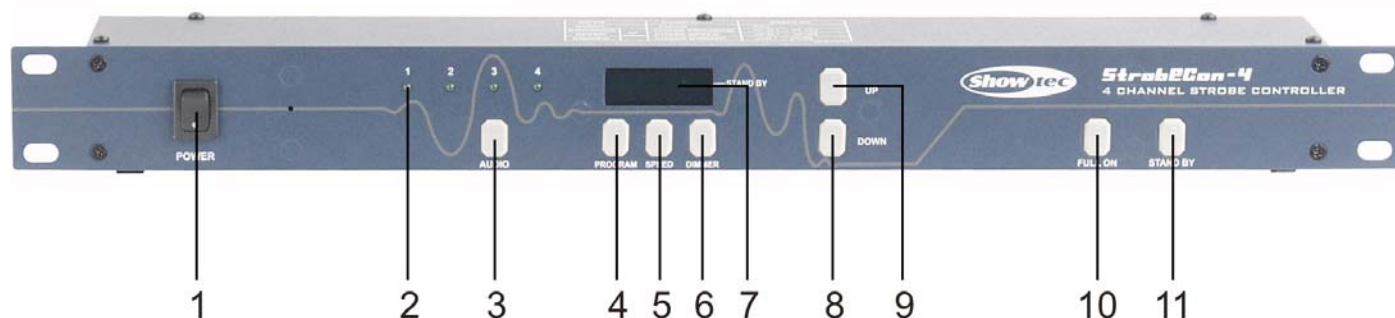


Fig. 1

Backside

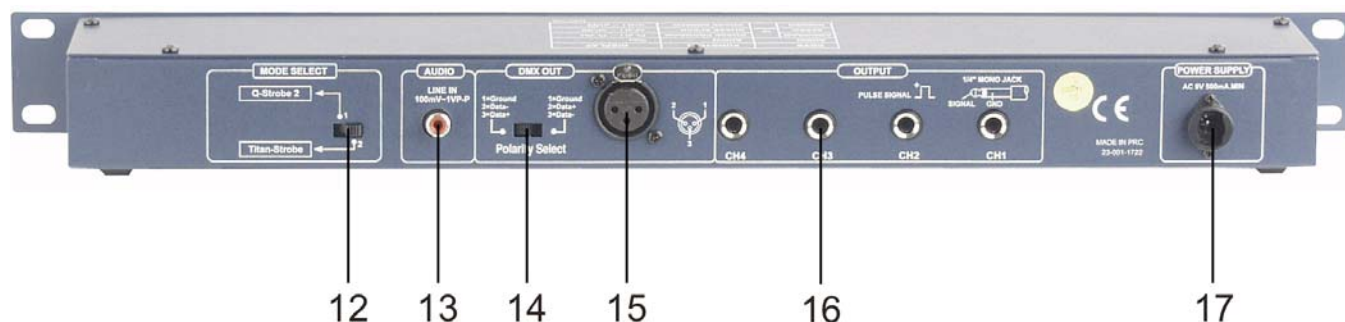


Fig. 2

1) Power Switch

2) Channel LEDs

Shows the current intensity of corresponding channel.

3) AUDIO button

Activates Audio mode causing the program chasing with music rhythm.

4) PROGRAM button

Activates Program mode for the speed, audio intensity and dimming level.

5) SPEED button

Activates Speed mode causing the speed can be set using UP/DOWN buttons.

6) DIMMER button

Activate Dimmer mode causing the light intensity can be set using UP/DOWN buttons.

7) Segment Display

Shows current activity and the function state.

8) DOWN button

Press to decrease the display value

9) UP button

Press to increase the display value.

10) FULL ON button

Press this button to bring overall channels to full intensity.

Release will deactivate this mode.

11) STAND BY button

Tap this button to kill all output except that the FULL ON button is pressed.

A second tap of this button will leave this mode.

12) Mode Select switch

Move the switch to the left, it may control the Q-strobe 2;

Move the switch to the right, it may control the Titan-Strobe.

13) Audio Input

This jack accepts a line level audio input signal to synchronize chase and provide audio intensity effects.

The audio input signal ranges from 100mV to 1Vpp.

14) DMX Polarity Select switch

Move the switch to the left, the DMX output is a 3-pin XLR female with pin 2(data-).

Move to the right, the DMX output is a 3-pin XLR female with pin 2(data+).

15) DMX OUT

Connect the DMX output to the DMX input on the first strobe with DMX protocol.

16) Channel Output

Connect these output to the input on the analogue strobe.

17) Power Supply

This input jack uses a recommended AC-DC adapter.

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.

Operation Modes

1) Audio Mode

Press the AUDIO button causing the Segment Display shows, the programs chase with audio intensity effects.

2) Program Mode

Press the PROGRAM button, the program will chase at the current speed, dimming level and audio intensity. Tap the UP/DOWN button to select the program from 20 built-in programs to chase.

3) Speed Mode

Press the SPEED button, then adjust the speed using UP/DOWN button.

4) Dimmer Mode

Press the DIMMER button, then adjust the dimming level using UP/DOWN button.

5) Full On Mode

Press the FULL ON button to bring overall output to full intensity. Release will deactivate this mode.

6) Stand By Mode

Tap the STAND BY button to kill all output except that Full On is activated, and the LED blinks indicating Stand By is active. A second tap will leave this mode.

Maintenance

The Showtec StrobeCon-4 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 Power cable: Unplug the unit; change the Power 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-4

Voltage: 240V-50Hz (CE)

4 DMX channel /4 channel pulse signal

3-pin XLR female socket for 4 channel DMX output

20 built-in chase programs, chase rate under control

AUDIO/PROGRAM/SPEED/DIMMER/FULL ON/STAND BY mode

Audio line in 100mV-1Vpp

4 digits Segment Display shows current activity and the function state.

Power failure memory

Power input: AC 9V, 500 mA min.

table or 19" rack mount

Dimensions: 483x76x44mm (LxWxH)

Weight: 1,2 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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