



Titan Strobe

ORDERCODE 40222



SHOWELECTRONICS FOR PROFESSIONALS

Congratulations!

You have bought a great, innovative product from Showtec.

The Showtec Titan Strobe 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

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 Titan Strobe™ Product Guide

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WARNING

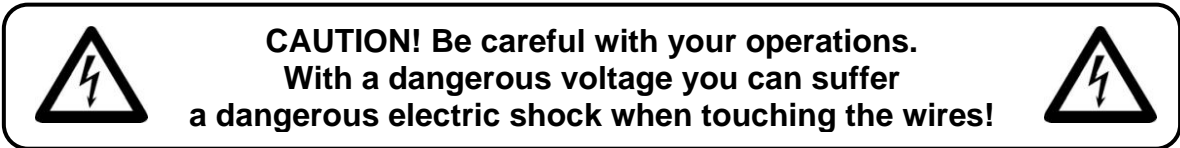


**FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY
BEFORE YOUR INITIAL START-UP!**

SAFETY INSTRUCTIONS

Every person involved with the installation, operation and maintenance of this device has 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!
- Never remove warning or informative labels from the unit.
- Never use anything to cover the ground contact.
- Never run the device without lamp!
- Never ignite the lamp if the objective-lens or any housing-cover is open, as discharge lamps may expose and emit a high ultraviolet radiation, which may cause burns.
- Never look directly into the light source.
- 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.
- Never operate the stroboscope without protective shield! When the shield is cracked, replace it before using the device again.
- Do not insert objects into air vents.
- Do not connect this device to a dimmerpack.
- Do not switch the device on and off in short intervals, as this would reduce the lamp's life.
- Do not touch the device's housing bare-handed during its operation (housing becomes very hot).
- 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 fixture after having checked that the housing is firmly closed and all screws are tightly fastened.
- Only operate the device after having familiarized with its functions.

- Avoid flames and do not put close to flammable liquids or gases.
- Always replace the lamp, when it is damaged or deformed due to the heat.
- 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, before cleaning or when replacing lamp! 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. Lighteffect must be installed out of the reach of children. Never leave the unit running unattended.
- For replacement use lamps of same type and rating only.
- Allow time to cool down, before replacing lamp.
- Keep away from direct insulation.
- This device is only allowed for an installation via the mounting bracket.
- The user is responsible for correct positioning and operating of the Titan Strobe. 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.
- During the initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- WARRANTY: Till one year after date of purchase.



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 the strobe is lowered from the ceiling or high joists, professional trussing systems have to be used.
- Use a clamp to mount the strobe, with the mounting-bracket, to the trussing system.
- The 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 Titan Strobe is a dimmable, DMX-controlled strobe light with a high output.

- 1800W flash
- DMX-control via standard DMX-controller
- Strobe-effect with adjustable speed (1 - 15 flashes/sec.)
- Lamp PX-1800W
- Fuse 16A / 250V
- EXTRA: Blinder Function with DMX for Titan Strobe (processor Update) ordercode SPBOT759

Overview



Fig. 1

Backside

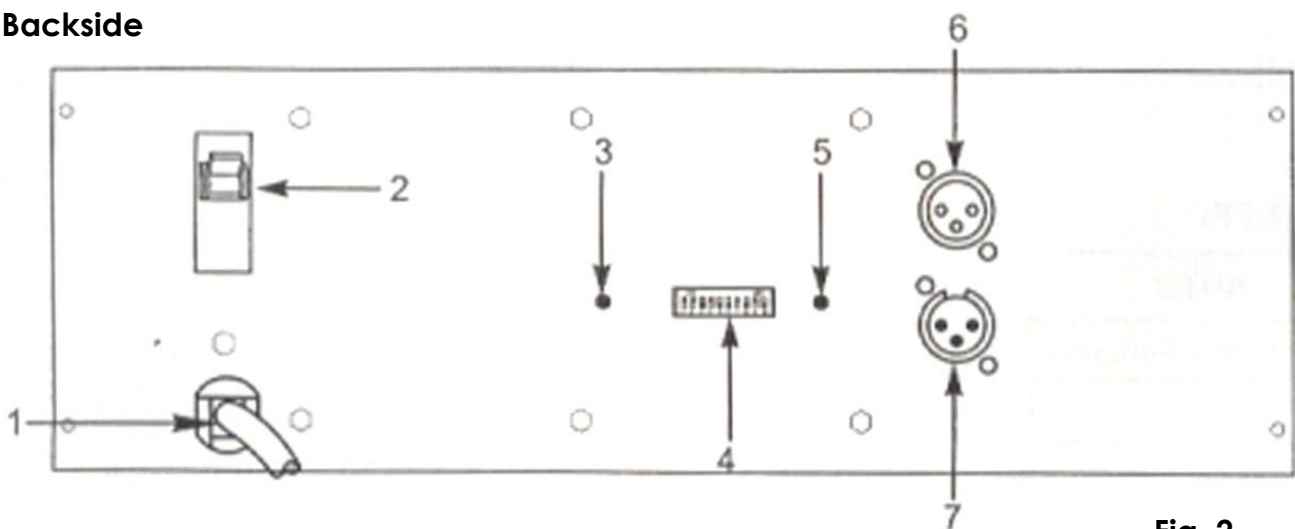


Fig. 2

- 1) Power Supply: AC 230V ~ 50 HZ, 16A
- 2) Circuit Breaker: 16A
- 3) Power Indicator: Indicates when the power is on.
- 4) Dip Switches
- 5) DMX Indicator: Indicates when DMX signal is available.
- 6) DMX signal connector (OUT): XLR female socket, to connect another unit.
- 7) DMX signal connector (IN): XLR male socket, to receive DMX signals.

Installation

Installing the Lamp

The Showtec Titan Strobe uses the PX-1800 (ordercode 82692 or SPBOT3022) lightbulb as manufactured by all popular manufacturers. Use only the appropriate lamp for your unit.

Note that, product versions that use other lamps, may be offered in the future. Check your product specification label for information.

Always disconnect from electric mains power supply before changing lamps.

The lamp has to be replaced when it is damaged or deformed due to the heat.

Do not install lamps with a higher wattage! Lamps with a higher wattage generate temperatures the device was not designed for.

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

DANGEROUS: Leave the device disconnected for 15 min before opening. Otherwise you could be seriously injured due to a power shock !!!

Procedure :

1. Disconnect from main power supply, and leave for 15 minutes.
2. Remove the glass cover. With the left hand gently pull the lamp out the spring, while pushing the spring back with the right hand.
3. Remove the lamp. Read lamp instructions. Do not touch the lamp bulb glass. Oil on hands shortens the lamp life. (If you touch the bulb glass, wipe off the glass with a clean, lint-free towel and rubbing alcohol.)
Hold the lamp with one hand and Insert the lamp into the spring. Put the glass cover back.

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.

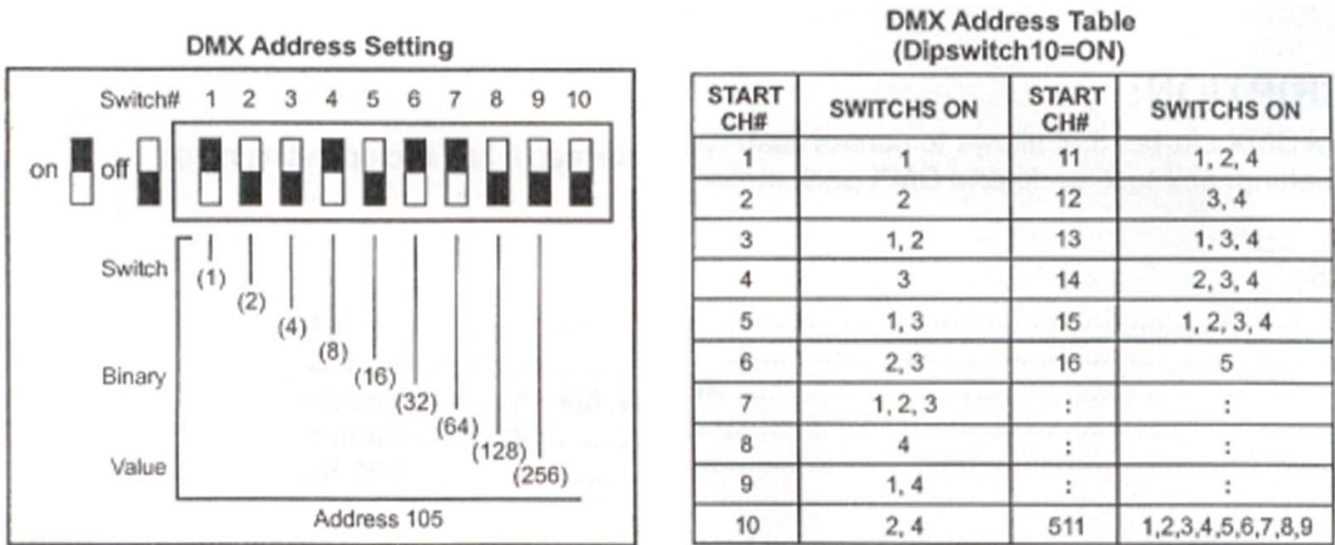
1. Plug the power cable into the wall.
2. Connect a DMX controller to the Titan Strobe, using a 3-pin XLR cable.
3. Connect every unit with a 3-pin XLR cable. Every unit is set to the same DMX work mode and the received DMX addresses are the same. When a DMX signal is received, the devices function synchronously.
4. Please follow the dip switch setting and operating mode for the desired lighting effect (see page 7).

This unit has 2 operating modes: Self-test **(1)** and DMX Pack Mode **(2)**

1. Set dip switch 10 to OFF, this unit is in self-test mode. There are 2 self-test modes: AUTO and MANUAL. Set dip switch 9 to OFF, the strobe performs an AUTO self-test. When the strobe flashes within the dimming range from 0% - 100% and then from 100% - 0%, a slower or faster speed will be executed. This strobe will flash within the regular speed corresponding to the variety of the duration of the dimmer. Set dip switch 9 to ON, it performs a MANUAL self-test. Dip switch 1, 2, 3 and 4 are assigned to control speed, and dip switch 5, 6, 7 and 8 are assigned to adjust the dimming level.
2. Set dip switch 10 to ON, this unit is in DMX Pack Mode. Follow DMX address setting printed on the rear of the strobe for the desired flash speed and dimmer.

DMX Settings

A. In DMX Pack Mode, see the following figures for the desired Channel Setting:



DMX products must have their own "address" to receive DMX signals. Addresses on the Showtec Titan Strobe are set by flipping the appropriate DMX dip switches.

You need to know that DMX address settings are the sum of the dip switch values.

Example

Titan strobe **Address Value** **DMX Dip Switches "ON"**
 Unit 1 17 #1 , #5

Switch	Value
#1	1
#5	<u>16</u> +
Total sum	17

Once address values are determined, add DMX dip switch values to obtain the appropriate address (DMX Dip Switches "ON") for each unit. Flip appropriate DMX dip switches on each unit.

The Titan Strobe has 2 DMX channels:

- 1 = speed
- 2 = dimmer

Example:

If your start address is 5, you can change the speed parameter with DMX channel 5 and the the Dim parameter with DMX channel 6.

B. In Self-test mode, please follow the table below for any desired chase:

**Self-test
(Dipswitch 10=OFF)**

MANUAL		AUTO	
Dipswitch	Function	Dipswitch	Function
9	ON	9	OFF
1~4	SPEED	1~8	RANDOM
5~8	DIMMER		

C. In MANUAL of self-test mode, speed and dimmer are classified as 16 levels respectively, and are specified as :

 = ON  = OFF

Level	Dip switch				Speed	
	1	2	3	4		
1					Slowest	
2					↓	
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						Fastest

Level	Dip switch				Dimmer	
	5	6	7	8		
1					Min.	
2					↓	
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						Max.

Maintenance

The Showtec Titan Strobe 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.

Changing the Lamp

1. Disconnect mains power supply.
2. Follow directions for installing a new lamp, page 6.

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 flip the switch 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

No Light

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.

Response: Suspect three potential problem areas: the power supply, the lamp, the fuse.

1. Power supply. Check that the unit is plugged into an appropriate power supply.
2. The lamp. Replace the old lamp with a new one with the same specifications. See page 6 for replacing lamps.
3. The fuse. See page 9 for the fuse.

No Response to DMX

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

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

Product Specification

Model: Showtec Titan Strobe

Voltage: 240V-50Hz (CE)

Fuse: 16A / 250V

Dimensions: 420x150x220mm (LxWxH)

Weight: 3,65 kg

Operation and Programming

Signal pin OUT: pin 1 earth, pin 2 (-), pin 3 (+)

DMX Channels 2

Signal input 3-pin XLR male

Signal output 3-pin XLR female

Strobe-effect with variable speed (1 flash -- 15 flashes/sec.)

DMX-control via standard DMX-controller

Lamp

PX 1800W ordercode 82692 or SPBOT3022

Minimum distance:

Minimum distance from flammable surfaces: 0.5m

Minimum distance to lighted object: 0.8m

Extra's:

Blinder Function with DMX for Titan Strobe (processor Update) ordercode SPBOT759

*: 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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