



Fascinator

ORDERCODE 30918



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Congratulations!

You have bought a great, innovative product from Showtec.

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

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Always get the best -- with Showtec !

Thank you!



Showtec Fascinator™ 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 run the device without lamp!
- Never look directly into the light source.
- Never leave any cables lying around.
- 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 you clean the fan once a month. Otherwise dust will cause the fan to stop and the device will become damaged due to overheating. Then the warranty will become void.
- 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.
- 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 adult use only. Lighteffect must be installed out of the reach of children. Never leave the unit running unattended.
- For replacement use lamps and fuses of same type and rating only.
- Allow time to cool down, before replacing lamp.
- This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.
- 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 projector is lowered from the ceiling or high joists, professional trussing systems have to be used.
- Use a clamp to mount the projector, with the mounting-bracket, to the trussing system.
- The projector 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 projector, 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 Fascinator is a light effect with high output and great effects.

- DMX-control via standard DMX-controller
- 1 DMX-control channel required
- Sound-controlled via built-in microphone
- 2x Lamp G6.35 120V 300W
- Fuse T5A / 250V

Overview

1

2



Fig. 1

- 1) Mounting bracket
- 2) Fixation screw

Backside

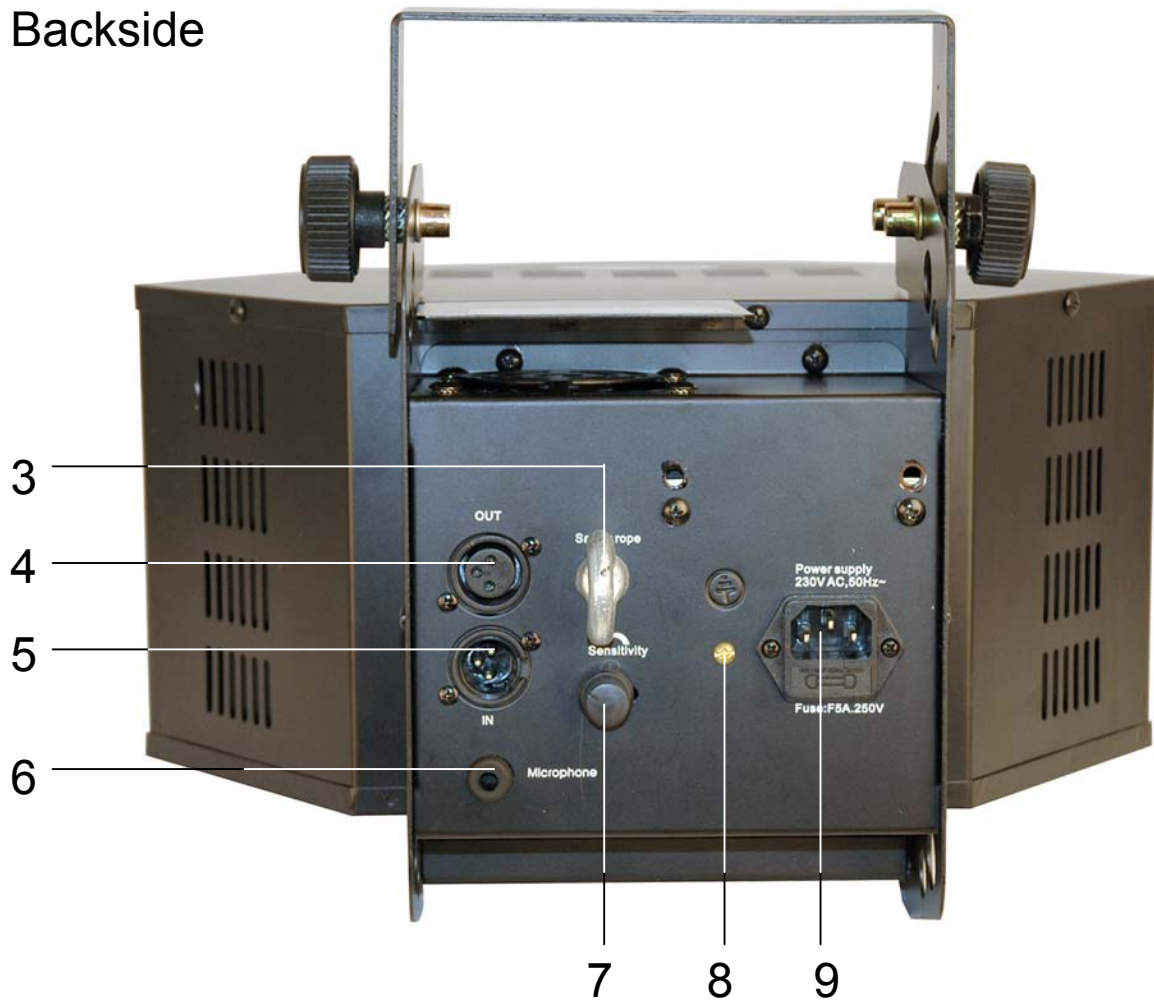


Fig. 2

- 3) Eye for safety cable
- 4) DMX signal connector (OUT)
- 5) DMX signal connector (IN)
- 6) Microphone
- 7) Audio Sensitivity
- 8) Ground
- 9) IEC power connector + Fuse 5A / 250V

Installation

Installing the Lamp

The Showtec Fascinator uses 2x lamps G6.35 120V 300W (ordercode 82310 / 80508) 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.

Procedure :

1. Loosen the screw on the bottom of the device.
2. Open the cover. Make sure to loosen one screw of the small lamp clamp (Fig. 3) 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.)
3. Insert the lamp pins into the small holes in the lamp socket and attach the small lamp clamp over the lamp. Do the same for the second lamp.
4. Close the cover back and fasten the screw snugly.



Fig. 3

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.

One Fascinator

1. Fasten the Fascinator onto firm trussing. Leave at least 1 meter on all sides for air circulation.
2. Plug one end of the electric mains power cord into the IEC socket on the unit.
Then plug the other end of the cord into a proper electric power supply socket.
3. Turn on the music. If F4 (Audio) is set, then the fixture will react to the beat of the music.

Multiple Fascinators

1. Fasten the effect light onto firm trussing. Leave at least 1 meter on all sides for air circulation.
2. Use a 3-p XLR cable to connect the Fascinators and other devices.

The pins:



1. Earth
2. Signal -
3. Signal +

3. Link the units as shown in (figure 4), Connect a DMX signal cable from the first unit's DMX "out" socket to the second unit's "in" socket. Repeat this process to link the second, third, and fourth units.
4. Supply electric power: Plug electric mains power cords into each unit's IEC socket, then plug the other end of the mains power cord into proper electric power supply sockets, starting with the first unit. Do not supply power before the whole system is set up and connected properly.
- 5) Press \updownarrow , until the display shows F6-n or F6-y (with actually stored address).
- 6) Select ∇ , the display shows **F6-4**. Select \leftarrow , the display shows "PASS". Then select F4-y (audio-controlled) on the master device. Only one fixture can be the master.
- 7) On the slave devices you must select F6-n and F4-n. The DMX light on the slave devices will start blinking. The slave devices must have address A001.

Multiple Fascinators Set Up

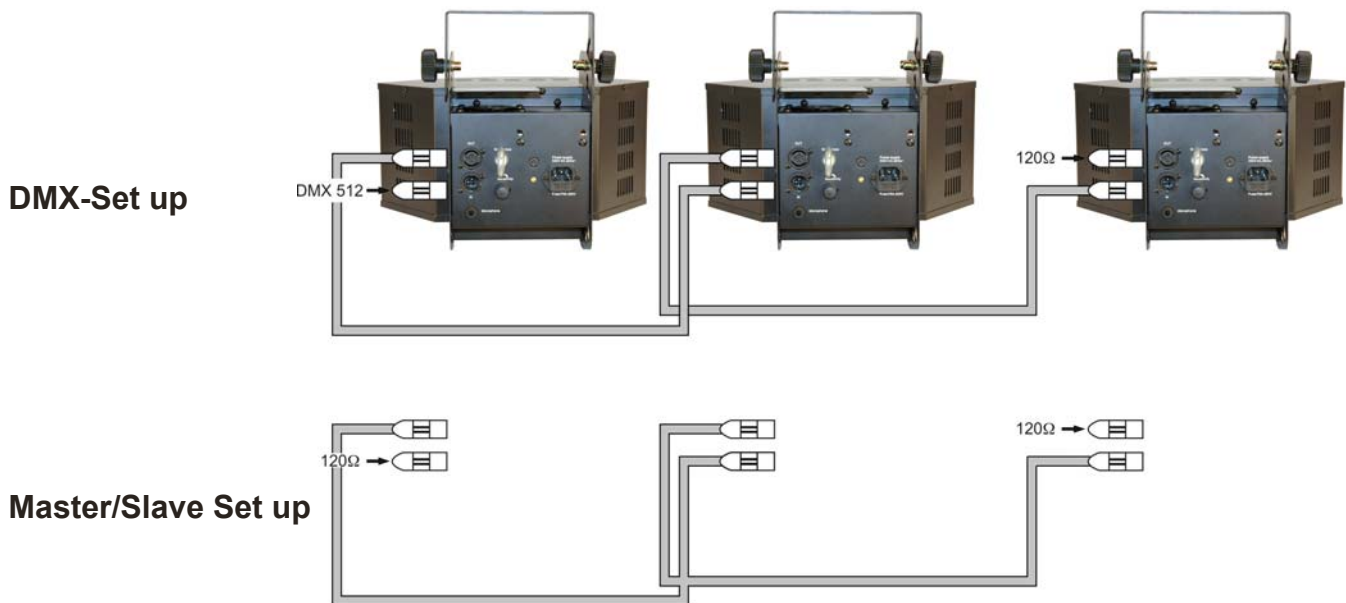


Fig. 4

Note : Link cables before connecting electric power

DMX Protocol

The Fascinator can be operated with a controller in **control mode** or without the controller in **stand-alone mode**.

Control Panel

When the indicator light is on, means the Fascinator is working

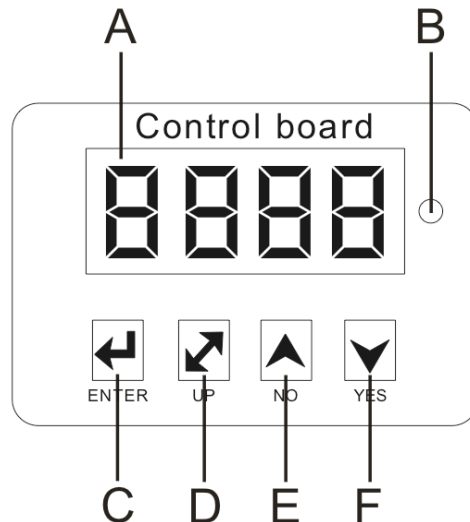


Fig. 5

- | | |
|-----------------|---------------|
| A. Display | D. UP Button |
| B. LED | E. NO Button |
| C. ENTER Button | F. YES Button |

DMX Control Mode

The fixtures are individually addressed **A001 - A512** on a data-link and connected to the controller. The fixtures respond to the DMX signal from the controller. (When you select the DMX address and save it, the controller will display the saved DMX address the next time.)

DMX Addressing

The control panel on the front side of the Fascinator allows you to assign the DMX fixture address, which is the first channel from which the Fascinator will respond to the controller.

Please note when you use the controller, the unit has **1** channel.

When using multiple Fascinators, make sure you set the DMX addresses right.

Therefore, the DMX address of the first Fascinator should be **1(A001)**; the DMX address of the second Fascinator should be **1+1=2(A002)**; the DMX address of the third Fascinator should be **2+1=3(A003)**, etc.

Please, be sure that you don't have any overlapping channels in order to control each Fascinator correctly.

If two or more Fascinators are addressed similarly, they will work similarly.

For address settings, please refer to the instructions under "Addressing" (menu **A001**)

Controlling:

After having addressed all Fascinator fixtures, you may now start operating these via your lighting controller.

Note: After switching on, the Fascinator will automatically detect whether DMX 512 data is received or not. If there is no data received at the DMX-input, the "LED" on the control panel will not flash.

The problem may be:

- The XLR cable from the controller is not connected with the input of the Fascinator.
- The controller is switched off or defective, the cable or connector is defective, or the signal wires are swapped in the input connector.

Note: It's necessary to insert a XLR termination plug (with 120 Ohm) in the last fixture in order to ensure proper transmission on the DMX data link.

Stand-alone Mode

The fixtures on a data-link are not connected to the controller, but can execute pre-set programs, which can be different for every fixture.

To set the program to be played, see the “Stand-alone setting “ (menu **F5-4**) Stand-alone operation” can be applied to a single fixture (the fixture may be set to the master/slave mode or controller mode) or to multiple fixture operating synchronously.

For synchronous operation of multiple fixtures the fixtures must all be connected on a data-link and one of them is set as a master (master mode) and the rest as slaves (slave mode). The DMX address of all the slaves are assigned to **A001** and on that particular slave address only one fixture can be connected. To the fixture as the master or slave, see “Addressing” (menu **A001**).

If the master fixture resets or runs a test (program), all slaves will execute these acts too.

You can't play or edit any program on a slave, if the master is switched on and connected to the master/slave chain.

Note: Disconnect the fixtures from the DMX controller before master/slave operating, otherwise data collisions can occur and the fixtures will not work properly!

It's necessary to insert the XLR termination plug (with 120 Ohm) into the input of the master fixture and into the output of the last slave fixture in the data-link, in order to ensure proper transmission on the data link.

From the master's control panel it is possible to control any slave in a master/slave chain.

Functions control panel

The control panel is situated on the front of the base and offers several features. You can simply set the DMX address, master/slave mode, make a reset and also use many functions for setting purposes.

The main menu of the control panel is accessed by pressing the **↕** button [MODE] - press this one until the display shows **A001** (with actually stored address).

Browse the menu by pressing **▼** or **▲** buttons - the display will show :

A001,F1-n,F2-n,F3-n,F4-n,F5-n,F6-n,F7-n,F8-n

Press **←** if you wish to select one of them. The functions are described in the following sections and the function hierarchy is shown below.

A001 **F 1-n** **F2-n** **F3-n** **F4-n** **F5-n** **F6-n** **F7-n** **F8-n**

Addressing

With this menu you can set the DMX address or address a fixture as a master/slave.

ADD1 - DMX addressing

1) Press \uparrow , until the display shows ADD1.

2) Press \leftarrow to confirm, the display will show PASS (with actually stored address).

And press \blacktriangle and \blacktriangledown to select the required address ADD1 - AS 11, press \leftarrow to confirm.

```

                ADD1
          [▲]          [▼]
          AS 11        ADD2
          AS 10        ADD3
          AS 09        ADD4
          .             .
          .             .
          ADD1         AS 11

```

3) Press \uparrow , the chosen address is shown on the display.

FG-Y - Master / slave addressing

1) Press \uparrow , until the display shows FG-n or FG-Y (with actually stored address).

2) If the display shows message FG-n (with actually stores address).

Select \blacktriangledown , the display shows FG-Y.

Select \leftarrow , the display shows "PASS", (with actually stored address).

If you want to address no master or slave, don't select FG-Y.

3) Only one fixture can be the master.

When operating the Fascinator, you can identify the master fixture from the slave fixture easily.

The master device has no cable to the DMX input plug.

Note: Disconnect the fixture from the DMX controller before master/slave operating, otherwise data collisions can occur and the fixtures will not work properly!

Operating options

These options allow you to modify the Fascinators operating behavior.

Press **▲** to select the desired option, Press **▲** to cancel the desired option and press **◀** to set the value.

To return to the menu, press **↕**.

```

F1-  F2-  F3-  F4-  F5-  F6-  F7-  F8-
n    n    n    n    n    n    n    n
y    y    y    y    y    y    y    y
  
```

Channels settings

F1 = NC

F2 = NC

F3 = Reset

F4 = Sound activity (inside program)

F5 = Auto (inside program)

F6 = Master-slave (use by master)

F7 = NC

F8 = Display reverse

F3-y - Reset function

This option enables the Fascinator to index all effects (function) and return to their standard positions.

F4-y - Music trigger

The Fascinator enables the sound control of the running programs via the built-in microphone. Press **↕**, until the display shows **F4-n** or **F4-y**.

If the display shows **F4-n** (with actually stored address). Press **▼**, the display shows **F4-y**.

Press **◀** to music trigger. The display shows **PASS**, (with actually stored address). If you want address no music trigger, don't select **F4-y**.

F5-y - Playing program

This function allows you to run a built-in program. Press **↕**, until the display shows **F5-n** or **F5-y**.

If the display shows **F5-n** (with actually stored address). Press **▼**, the display shows **F5-y**.

Press **◀** to play the program. the display shows **PASS**, (with actually stored address). If you want address no playing program don't select **F5-y**.

F8-y - Display reverse

With this function, you can adjust the display by 180°. Press **↕**, until the display shows **F8-n** or **F8-y**.

If the display shows **F8-n** (with actually stored address). Press **▼**, the display shows **F8-y**.

Press **◀** to play the program. The display shows **PASS**, (with actually stored address). If you want address no playing program, don't select **F8-y**.

Channel 1

0-9	Stop
10-127	Gobo Shake
128-134	Stop
135-187	Reverse rotation with increasing speed
188-204	Stop
205-255	Forwards rotation with increasing speed

Maintenance

The operator has to make sure that safety-relating and machine-technical installations are to be inspected by an expert after every four years in the course of an acceptance test.

The operator has to make sure that safety-relating and machine-technical installations are to be inspected by a skilled person once a year.

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. Mechanically moving parts like axles, eyes and others may not show any traces of wearing.
4. The electric power supply cables must not show any damages or material fatigue.

The Showtec Fascinator 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 lens clean with glass cleaner and a soft cloth. Do not use alcohol or solvents.

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

The cooling-fan should be cleaned monthly with a soft brush. Dust will cause the fan to stop and the device will become damaged due to overheating. Then the warranty will become void.

Please clean internal components once a year with a light brush and vacuum cleaner.

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.

Changing the Lamp

1. Disconnect mains power supply. Loosen the screw on the bottom of the device.
2. Open the cover. Pull the lamps out of the lamp socket.
3. Follow directions for installing a new lamp, page 7.

Replacing a Fuse

Power surges, short-circuit or inappropriate electrical power supply may cause a fuse to burn out. If the fuse burns out, the product will not function whatsoever. If this happens, follow the directions below to do so.

1. Unplug the unit from electric power source.
2. Insert a flat-head screwdriver into a slot in the fuse cover. Gently pry up the fuse cover.
3. Remove the used fuse. If brown or unclear, it is burned out.
4. Insert the replacement fuse into the holder where the old fuse was. Reinsert the fuse cover. Be sure to use a fuse of the same type and specification. See the product specification label for details.

Troubleshooting

No Light, No Movement - All Products

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 lamps. Replace the old lamp with a new one with the same specifications. See page 7 for replacing lamps.
3. The fuse. Replace the fuse. See page 13 for replacing 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 Fascinator

Voltage: 240V-50Hz (CE)

Fuse: 5A / 250V

Dimensions: 370x340x264mm (LxWxH)

Weight: 5,46 kg

Operation and Programming

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

Set Up and Addressing: LED control panel

DMX Channels 1

Signal input 3-pin XLR male

Signal output 3-pin XLR female

DMX-control via standard DMX-controller

Sound-controlled via built-in microphone



Lamp

Allowed lamp models*:

Showtec G6.35 120V 300W (50 hr) ordercode 82310

Osram G6.35 120V 300W (75 hr; 7700Lumen) ordercode 80508

Minimum distance:

Minimum distance from flammable surfaces: 0.5m

Minimum distance to lighted object: 0.8m

*: 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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