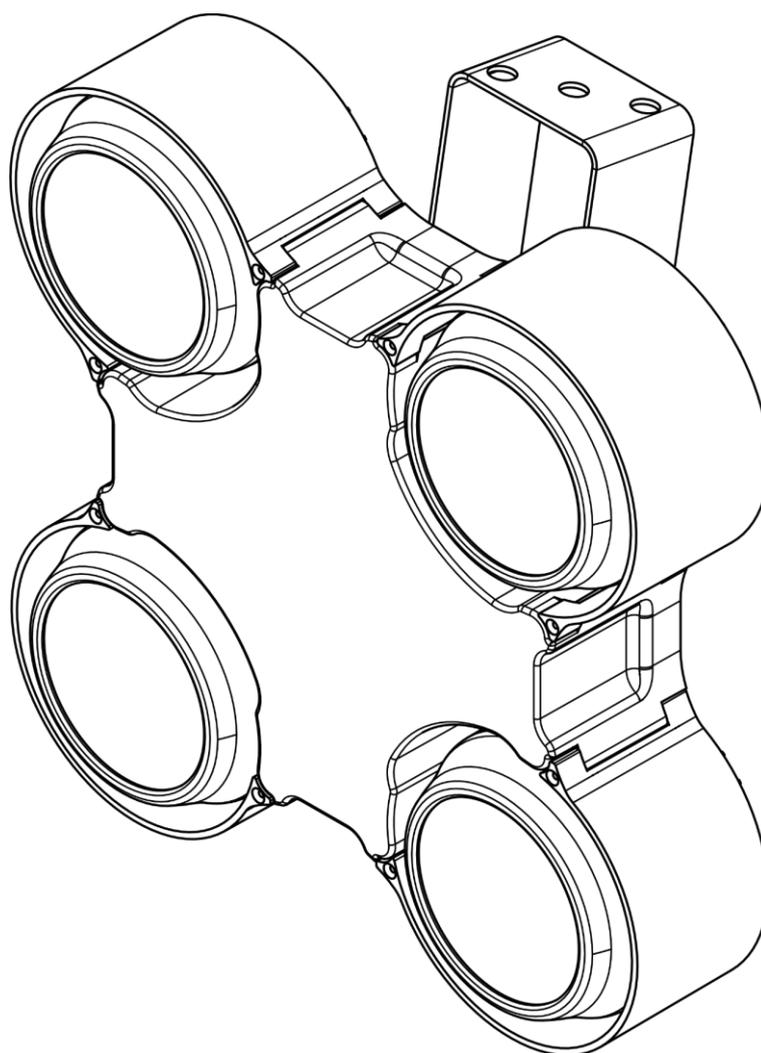




MANUAL



ENGLISH

Stage Blinder 4 LED

V1

Order code: 30783

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Warning



**For your own safety, please read this user manual carefully
before your initial start-up!**

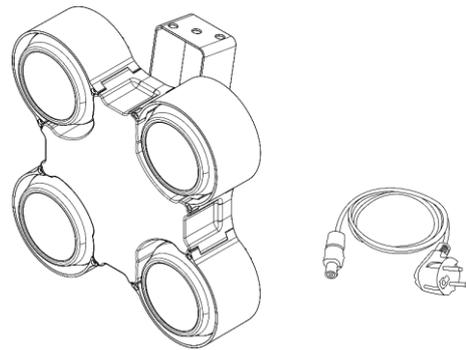


Unpacking Instructions

Immediately upon receiving this product, carefully unpack the carton and check the contents to ensure that all parts are present, and have been received in good condition. Notify the dealer immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shows signs of mishandling. Save the carton and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

Your shipment includes:

- Showtec Stage Blinder 4 LED
- Pro power to Schuko power cable (1,5 m)
- User manual



LED Expected Lifespan

LEDs gradually decline in brightness over time. HEAT is the dominant factor that leads to the acceleration of this decline. Packaged in clusters, LEDs exhibit higher operating temperatures than in ideal or singular optimum conditions. For this reason when all color LEDs are used at their fullest intensity, life of the LEDs is significantly reduced. If improving your lifespan expectancy is of a higher priority, place care in providing for lower operational temperatures. This may include climatic-environmental and the reduction of overall projection intensity.



CAUTION!

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



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 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 remove warning or informative labels from the unit.
- Never use anything to cover the ground contact.
- Never lift the device holding it by the projector-head, as the mechanics may be damaged. Always hold the device by the transport handles.
- Never place any material over the LEDs or lens.
- Never look directly into the light source.
- Never leave any cables lying around.
- Never use the device during thunderstorms, unplug the device immediately.
- Never leave various parts of the packaging (plastic bags, polystyrene foam, nails, etc.) within children's reach, as they are potential sources of danger.
- Do not insert objects into air vents.
- Do not open the device and do not modify the device.
- Do not connect this device to a dimmer pack.
- Do not switch the device on and off in short intervals, as this will reduce the device's life.
- Do not touch the device's housing bare-handed during its operation (housing becomes hot). Allow the device to cool for at least 5 minutes before handling.
- Do not shake the device. Avoid brute force when installing or operating the device.
- Only use the device indoors, avoid contact with water or other liquids.
- Only operate the device after having checked if 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 keep the case closed while operating.
- Always allow a free air space of at least 80 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 holding it 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 the LEDs are obviously damaged, they have to be replaced to prevent their functions from being impaired, due to cracks or deep scratches.
- If the external cable is damaged, it has to be replaced by a qualified technician.
- If device was 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 the 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. The device must be installed beyond the reach of children. Never leave the unit running unattended.
- Never attempt to bypass the thermostatic switch or fuses.
- For replacement use fuses of same type and rating only.
- The user is responsible for correct positioning and operating of the device. 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.
- 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 lightsource!!!
(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 bigger than 0,8 m.
- In order to eliminate wear and improve the device's lifespan, during periods of non-use, completely disconnect from power source via breaker or by unplugging.
- The maximum ambient temperature $t_a = 40\text{ °C}$ must never be exceeded.
- The relative humidity must not exceed 50 % with an ambient temperature of 40 °C.
- 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, crash, etc.

You endanger your own safety and the safety of others!

Rigging

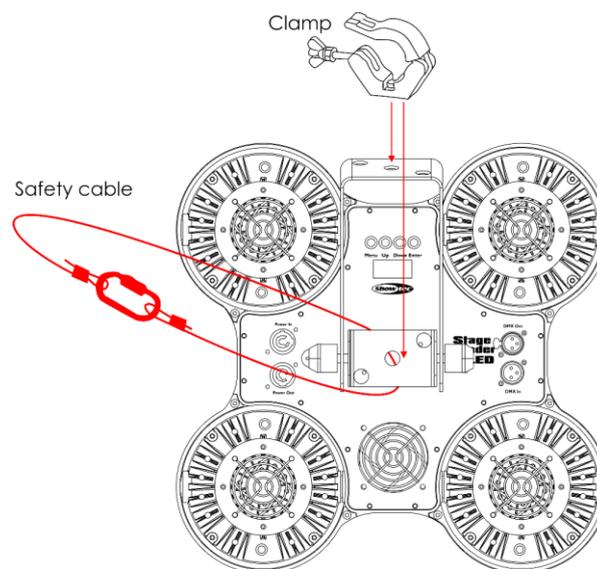
Please follow the European and national guidelines concerning rigging, trussing and all other safety issues.

Do not attempt the installation yourself!

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

Procedure:

- If the Stage Blinder is lowered from the ceiling or high joists, professional trussing systems have to be used.
- Use a clamp to mount the Stage Blinder, with the mounting bracket, to the trussing system.
- The Stage Blinder 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 Stage Blinder, always make sure, that the area below the installation place is blocked and staying in the area is forbidden.



The Stage Blinder 4 LED can be placed on a flat surface or fitted to any kind of truss with a clamp.

Improper installation can cause serious damage to people and property!

Connection with the Mains

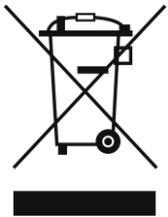
Connect the device to the mains with the power-plug.

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

International	EU Cable	UK Cable	US Cable	Pin
L	BROWN	RED	YELLOW/COPPER	PHASE
N	BLUE	BLACK	SILVER	NEUTRAL
	YELLOW/GREEN	GREEN	GREEN	PROTECTIVE GROUND

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

Improper installation can cause serious damage to people and property!



Return Procedure



Returned merchandise must be sent prepaid and in the original packing, call tags will not be issued. Package must be clearly labeled with a Return Authorization Number (RMA number). Products returned without an RMA number will be refused. Highlite will not accept the returned goods or any responsibility. Call Highlite 0031-455667723 or mail aftersales@highlite.com and request an RMA prior to shipping the fixture. Be prepared to provide the model number, serial number and a brief description of the cause for the return. Be sure to properly pack fixture, any shipping damage resulting from inadequate packaging is the customer's responsibility. Highlite reserves the right to use its own discretion to repair or replace product(s). As a suggestion, proper UPS packing or double-boxing is always a safe method to use.

Note: If you are given an RMA number, please include the following information on a piece of paper inside the box:

- 01) Your name
- 02) Your address
- 03) Your phone number
- 04) A brief description of the symptoms

Claims

The client has the obligation to check the delivered goods immediately upon delivery for any shortcomings and/or visible defects, or perform this check after our announcement that the goods are at their disposal. Damage incurred in shipping is the responsibility of the shipper; therefore the damage must be reported to the carrier upon receipt of merchandise.

It is the customer's responsibility to notify and submit claims with the shipper in the event that a fixture is damaged due to shipping. Transportation damage has to be reported to us within one day after receipt of the delivery.

Any return shipment has to be made post-paid at all times. Return shipments must be accompanied with a letter defining the reason for return shipment. Non-prepaid return shipments will be refused, unless otherwise agreed in writing.

Complaints against us must be made known in writing or by fax within 10 working days after receipt of the invoice. After this period complaints will not be handled anymore.

Complaints will only then be considered if the client has so far complied with all parts of the agreement, regardless of the agreement of which the obligation is resulting.

Description of the Device

Features

The Showtec Stage Blinder 4 LED is an audience blinder with 4 single pods. Each pod can be controlled separately by DMX and holds an 80-Watt Dual White COB. It has compact design and features tungsten simulation.

- Punchy 4-way LED blinder
- Input voltage: 100-240 V AC, 50/60 Hz
- Power consumption: 320 W
- Refresh rate: 3100 Hz
- DMX channels: 1, 2, 4, 5 channels
- Light source: 4 x 80 W (2 x 40 W) dual-white (1800 K/3060 K) COB LED
- Color temperature: 2490 K
- Output: 13995 lm
- Pod movement: +/- 20° smooth adjustment
- Beam angle: 65°
- Field angle: 99,5°
- Dimmer: 0-100 %
- Strobe frequency: 0,3-8 Hz
- IP rating: IP20
- Housing: metal/plastic
- Housing color: black
- DMX control: via standard DMX controller
- Display: OLED
- Control: manual, auto, DMX-512
- Connections: pro power connector IN/OUT, 3-pin DMX XLR connector IN/OUT
- Cooling: cooling fans
- Fuse: T3A, 250 V
- Dimensions: 385 x 385 x 322 mm (L x W x H) (including bracket)
- Weight: 8,75 kg

Note: Knowledge of DMX is required to fully utilize this unit.

Front View

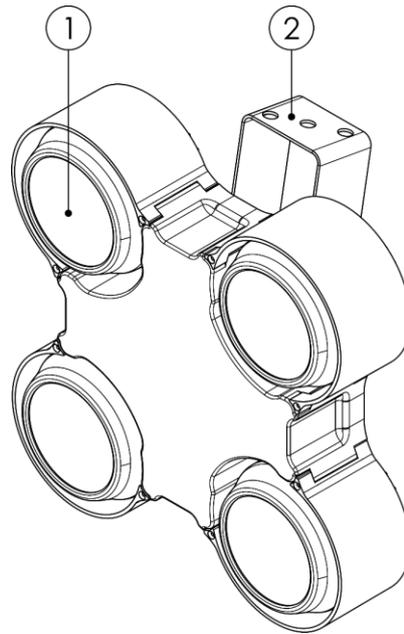


Fig. 01

- 01) LED pod
- 02) Mounting bracket

Back View

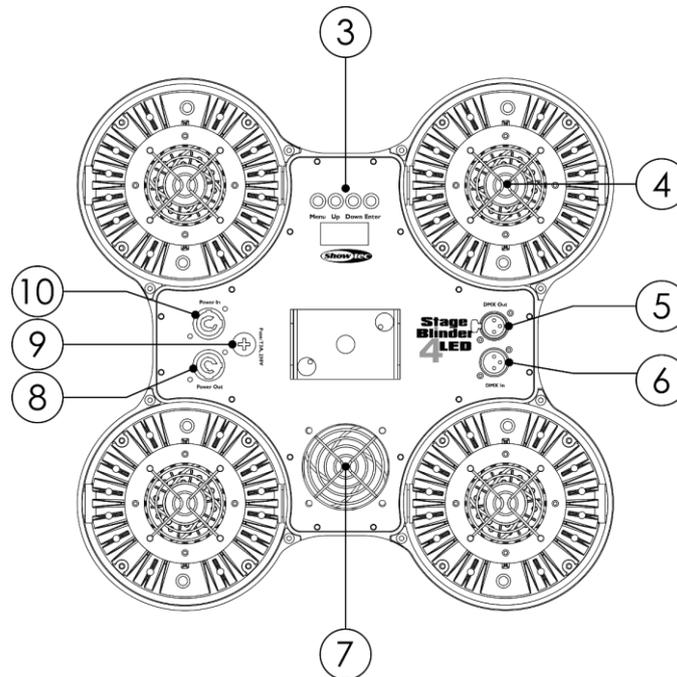


Fig. 02

- 03) Control panel
- 04) Cooling fan
- 05) 3-pin DMX signal connector OUT
- 06) 3-pin DMX signal connector IN
- 07) Cooling fan
- 08) Pro power connector OUT (gray)
- 09) Primary fuse T3A, 250 V
- 10) Pro power connector IN (blue)

Installation

Remove all packing materials from the Stage Blinder 4 LED. Check that all foam and plastic padding is removed. Connect all cables.

**Do not supply power before the whole system is set up and connected properly.
Always disconnect from electric mains power supply before cleaning or servicing.
Damages caused by non-observance are not subject to warranty.**

Setup 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 120 V specification product on 230 V power, or vice versa.

Control Modes

There are 3 control modes:

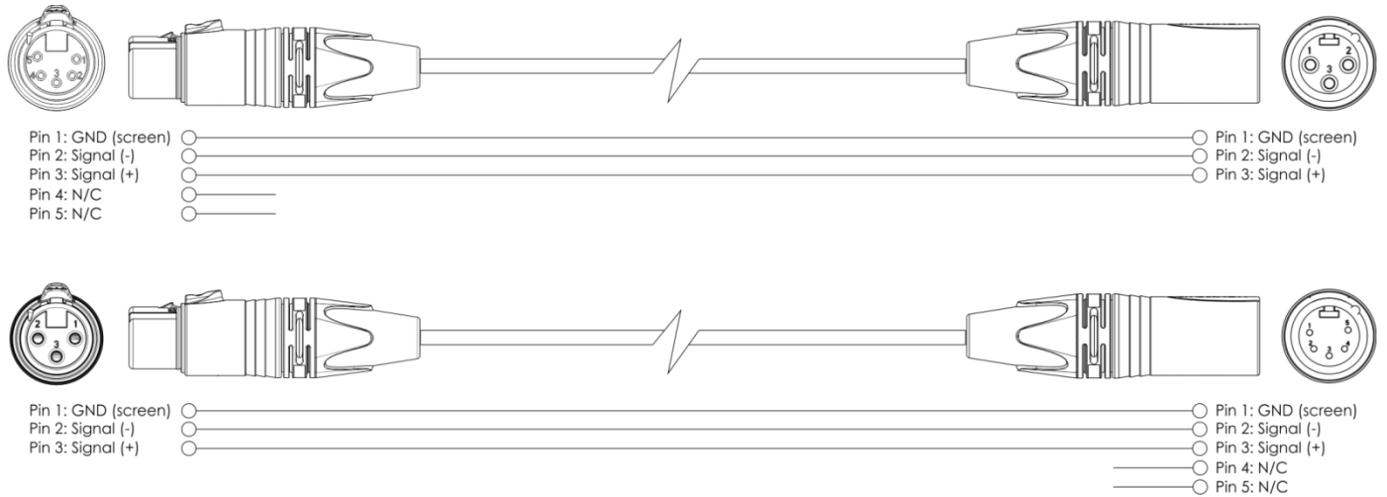
- Auto Show (built-in programs)
- Manual
- DMX-512 (1CH, 2CH, 4CH, 5CH)

One Stage Blinder (Auto Show and Manual)

- 01) Fasten the effect light onto firm trussing. Leave at least 0,8 meter on all sides for air circulation.
- 02) Always use a safety cable (order code 70140 / 70141).
- 03) Plug the end of the electric mains power cord into a proper electric power supply socket.
- 04) When the Stage Blinder is not connected with a DMX cable, it functions as a stand-alone device.
Please see pages 15-16 for more information about Auto Show and Manual.

Multiple Stage Blinders (DMX Control)

- 01) Fasten the effect light onto firm trussing. Leave at least 0,8 meter on all sides for air circulation.
- 02) Always use a safety cable (order code 70140 / 70141).
- 03) Plug the end of the electric mains power cord into a proper electric power supply socket.
- 04) Use a 3-pin XLR cable to connect the Stage Blinder and other devices.



- 05) Link the units as shown in Fig. 03. 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.
- 06) Supply electric power: Plug electric mains power cords into each unit's pro power 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.

Multiple Stage Blinders DMX Setup

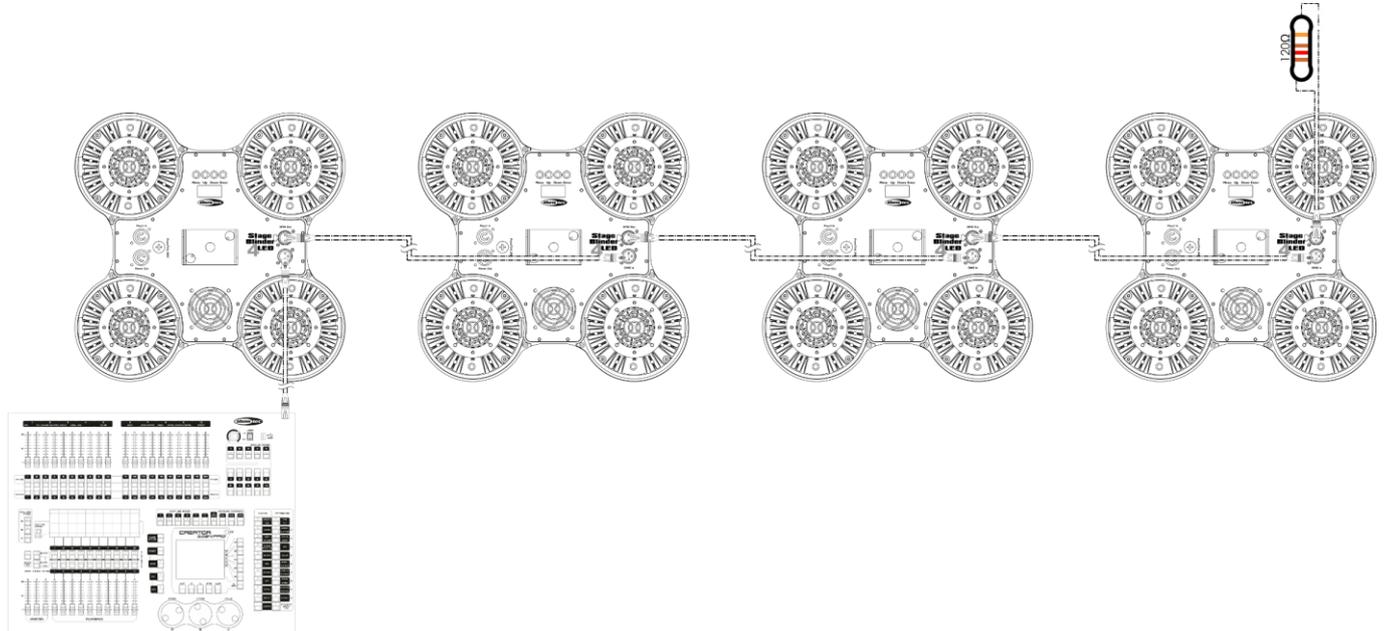


Fig. 03

Note: Link all cables before connecting electric power

Fixture Linking

You will need a serial data link to run light shows of one or more fixtures using a DMX-512 controller or to run synchronized shows on two or more fixtures set to a master/slave operating mode. The combined number of channels required by all fixtures on a serial data link determines the number of fixtures the data link can support.

Important: Fixtures on a serial data link must be daisy chained in one single line. To comply with the EIA-485 standard no more than 30 devices should be connected on one data link. Connecting more than 30 fixtures on one serial data link without the use of a DMX optically isolated splitter may result in deterioration of the digital DMX signal.

 Maximum recommended DMX data link distance: 100 meters
Maximum recommended number of Stage Blinders on a DMX data link: 30 fixtures
Maximum recommended number of Stage Blinders on a power link @110V: 3 fixtures
Maximum recommended number of Stage Blinders on a power link @240V: 6 fixtures

Data Cabling

To link fixtures together you must obtain data cables. You can purchase DAP Audio certified DMX cables directly from a dealer/distributor or construct your own cable. If you choose to create your own cable please use data-grade cables that can carry a high quality signal and are less prone to electromagnetic interference.

DAP Audio DMX Data Cables

- DAP Audio Basic microphone cable for all-round use, balanced XLR/M 3-pin > XLR/F 3-pin. **Order code** FL01150 (1,5 m), FL013 (3 m), FL016 (6 m), FL0110 (10 m), FL0115 (15 m), FL0120 (20 m).
- DAP Audio X-type data cable XLR/M 3-pin > XLR/F 3-pin. **Order code** FLX0175 (0,75 m), FLX01150 (1,5 m), FLX013 (3 m), FLX016 (6 m), FLX0110 (10 m).
- DAP Audio cable for the demanding user with exceptional audio qualities and connector made by Neutrik®. **Order code** FL71150 (1,5 m), FL713 (3 m), FL716 (6 m), FL7110 (10 m).
- DAP Audio cable for the demanding user with exceptional audio qualities and connector made by Neutrik®. **Order code** FL7275 (0,75 m), FL72150 (1,5 m), FL723 (3 m), FL726 (6 m), FL7210 (10 m).
- DAP Audio 110 Ohm cable with digital signal transmission. **Order code** FL0975 (0,75 m), FL09150 (1,5 m), FL093 (3 m), FL096 (6 m), FL0910 (10 m), FL0915 (15 m), FL0920 (20 m).
- DAP Audio data cable FL08 DMX/AES-EBU, XLR/M 5-pin > XLR/F 5-pin. **Order code** FL08150 (1,5 m), FL083 (3 m), FL086 (6 m), FL0810 (10 m), FL0820 (20 m).
- DAP Audio DMX Adapter: 5-pin > 3-pin. **Order code** FLA29.
- DAP Audio DMX Adapter: 3-pin > 5-pin. **Order code** FLA30.
- DAP Audio DMX Terminator 3-pin. **Order code** FLA42.
- DAP Audio DMX Terminator 5-pin. **Order code** FLA43.

The Stage Blinder 4 LED can be operated with or without a controller.

Control Panel

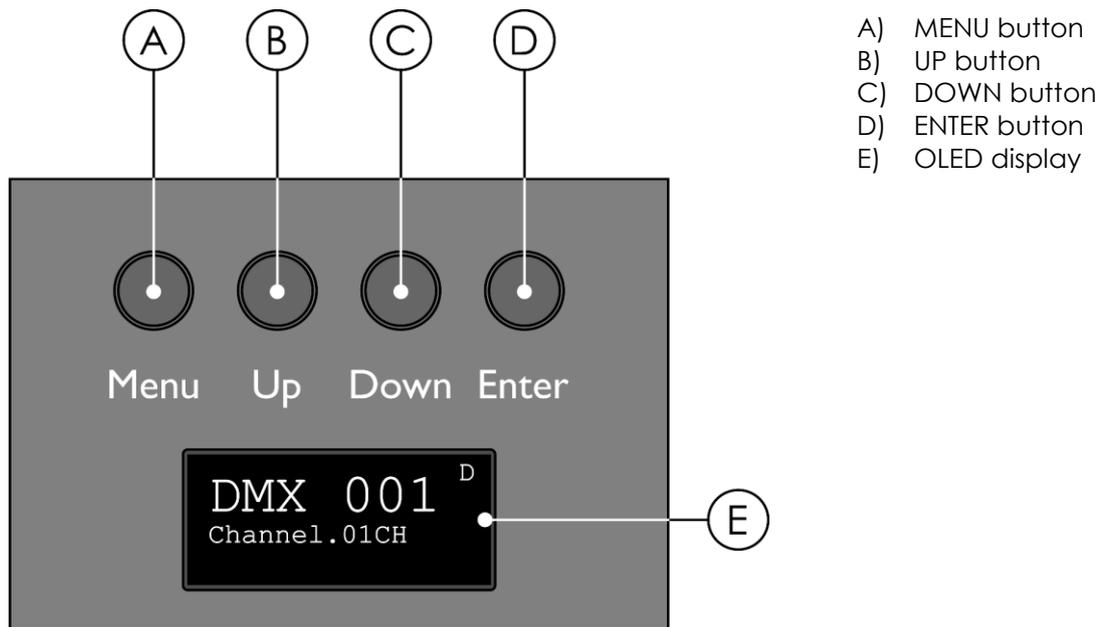


Fig. 04

DMX Addressing

The fixtures are individually addressed 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.)

The control panel on the back side of the device allows you to assign the fixture a DMX address, which is the first channel from which the Stage Blinder will respond to the controller.

Please note when you use a controller, the unit has **5** channels.

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

Therefore, the DMX address of the first Stage Blinder should be **1 (001)**; the DMX address of the second Stage Blinder should be **1+5=6 (006)**; the DMX address of the third Stage Blinder should be **6+5=11 (011)**, etc. Make sure that you do not have any overlapping channels in order to control each Stage Blinder correctly. If two or more Stage Blinders are addressed similarly, they will work similarly.

Controlling:

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

Note: After switching on, the Stage Blinder will automatically detect whether DMX 512 data is received or not. If there is no data received at the DMX input, the problem may be:

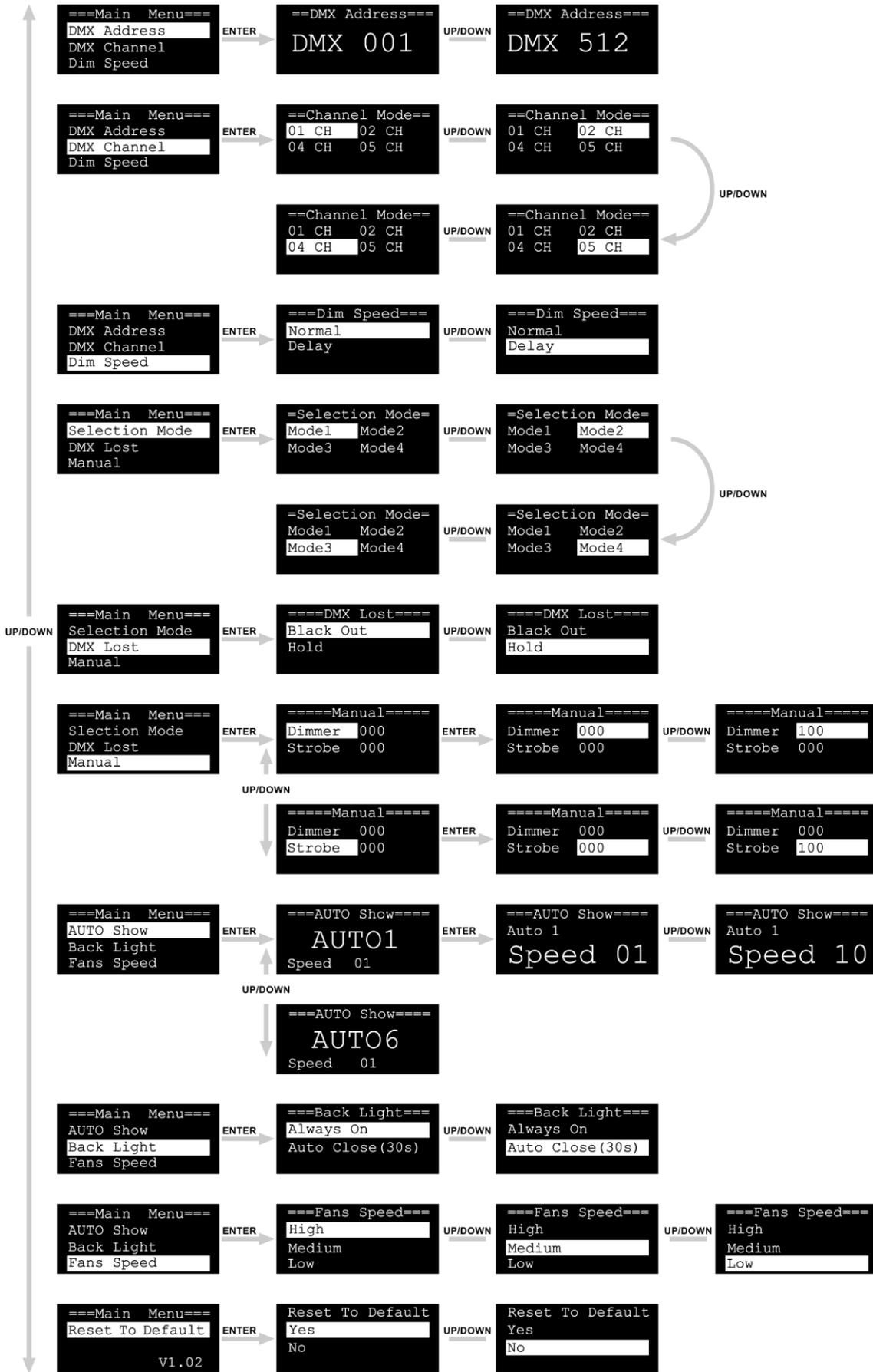
- The XLR cable from the controller is not connected with the input of the Stage Blinder.
- The controller is switched off or defective, the cable or connector is defective, or the signal wires are swapped in the input connector.

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.

⚠ Display Off after 30 seconds ⚠

The display turns off after 30 seconds of inactivity. See **8. Back Light** on page 16 for further information. Press the MENU button on the control panel to light up the display.

Menu Overview



Main Menu Options

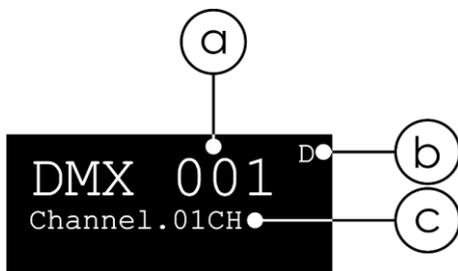
Upon start-up the display will show a splash screen with the Showtec logo and immediately afterwards:



After 2 seconds, the display will show the start screen:



The start screen provides the following information:



- a) The DMX starting address of the device
- b) The device is connected to a DMX controller. If the connection is interrupted or the device is not connected, the "D" will disappear.
- c) The current Channel Mode of the device

In case the device is not connected to a DMX controller, a third line will appear on the screen indicating the behavior of the device when the DMX connection is lost:



For the settings regarding the behavior of the device in case of a DMX failure, see **5. DMX Lost** on page 15.

If no button is pressed after 30 seconds, the display returns to the start screen. Press the **MENU** button to go to the Main Menu.

- Use the **UP/DOWN buttons** to navigate through the menus or to increase/decrease numeric values.
- Use the **ENTER button** to open the desired menu or to set the currently selected value.
- Use the **MENU button** to exit the current menu and/or to return to the Main Menu.

The Main Menu has the following options:

```
===Main Menu===
DMX Address
DMX Channel
Dim Speed
Selection Mode
DMX Lost
Manual
AUTO Show
Back Light
Fans Speed
Reset To Default
V1.02
```

Press the **UP/DOWN** buttons to navigate through the Main Menu. Press the **ENTER** button to open the submenu.

1. DMX Address

In this menu you can set the device's DMX starting address.

01) Press the **UP/DOWN** buttons to set the desired DMX address. The adjustment range is between 001 and 512.

```
==DMX Address==
DMX 001
```

02) Press the **ENTER** button to confirm your choice.

2. DMX Channel

In this menu you can select the Channel Mode.

01) Press the **UP/DOWN** buttons to select the desired DMX channel mode. There are 4 options available:

```
==Channel Mode==
01 CH 02 CH
04 CH 05 CH
```

02) Press the **ENTER** button to confirm your choice.

3. Dim Speed

In this menu you can adjust the dimming speed of the 4 LED pods.

01) Press the **UP/DOWN** buttons to choose the desired option. There are 2 options available:

```
===Dim Speed===
Normal
Delay
```

02) Press the **ENTER** button to confirm your choice.

4. Selection Mode

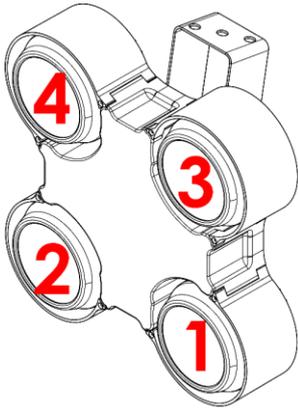
In this menu you can select the sequence in which the 4 LED pods will light.

01) Press the **UP/DOWN** buttons to choose the desired mode. There are 4 options available:

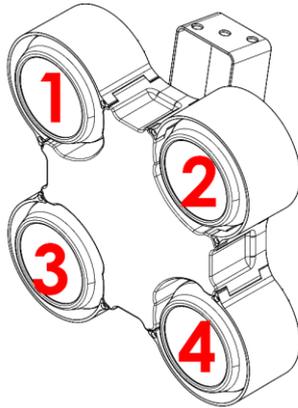
```
=Selection Mode=  
Mode1 Mode2  
Mode3 Mode4
```

02) Press the **ENTER** button to confirm your choice.

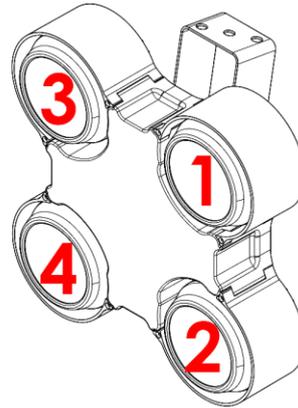
The sequence in which the pods light in the 4 modes is as follows:



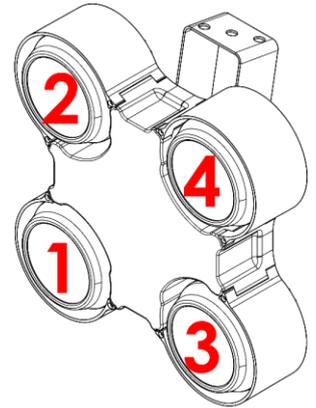
Mode 1



Mode 2



Mode 3



Mode 4

5. DMX Lost

In this menu you can select the behavior of the device in case of a DMX failure.

01) Press the **UP/DOWN** buttons to choose the desired option. There are 2 options available:

```
====DMX Lost====  
Black Out  
Hold
```

- Black Out: in case of a DMX signal failure the device will black out the light output
- Hold: in case of a DMX signal failure the device will use the last properly received DMX signal ensuring uninterrupted performance

02) Press the **ENTER** button to confirm your choice.

6. Manual

In this menu you can adjust the intensity of the light output and the frequency of the strobe flash.

01) Press the **UP/DOWN** buttons to toggle between Dimmer and Strobe.

```
====Manual====  
Dimmer 000  
Strobe 000
```

02) Press the **ENTER** button to confirm your choice.

03) Press the **UP/DOWN** buttons to manually set the values for Dimmer or Strobe.

- Dimmer:
 - 000 no light output
 - 001 – 100 from low to high intensity
- Strobe:
 - 000 – 009 no strobe
 - 010 – 100 from low to high frequency

7. Auto Show

The Stage Blinder 4 LED has 6 built-in auto show programs.

01) Press the **UP/DOWN** buttons to select one of the 6 built-in show programs.



02) Press the **ENTER** button to adjust the speed of the selected built-in show program.

03) Press the **UP/DOWN** buttons to select the desired speed. The adjustment range is between 01 and 10.

8. Back Light

In this menu you can set the amount of time the backlight on the OLED display stays on after the last button is pressed on the control panel.

01) Press the **UP/DOWN** buttons to choose the desired option. There are 2 options available:



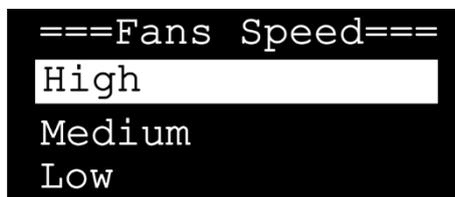
- Always On: the back light of the OLED display does not turn off
- Auto Close (30 s): the back light of the OLED display turns off automatically after 30 seconds of inactivity after activation of the start screen

02) Press the **ENTER** button to confirm your choice.

9. Fans Speed

In this menu you can adjust the speed of the cooling fans.

01) Press the **UP/DOWN** buttons to choose the desired option. There are 3 options available:

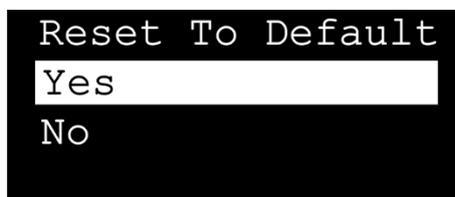


02) Press the **ENTER** button to confirm your choice.

10. Reset to Default

In this menu you can restore the default factory settings.

01) Press the **UP/DOWN** buttons to toggle between Yes and No.



- Select Yes and press **ENTER** to reset all settings to the factory defaults.
- Select No and press **ENTER** to exit and cancel the reset.

DMX Channels

1 Channel

Channel 1 – Dimmer LED pods 1-4

0	No light output
1-255	Gradual adjustment of the brightness, from low to high intensity (0-100%)

2 Channels

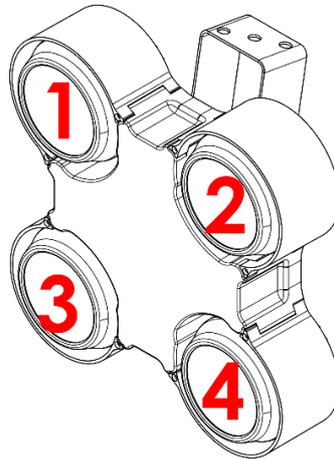
Channel 1 – Dimmer LED pods 1-4

0	No light output
1-255	Gradual adjustment of the brightness, from low to high intensity (0-100%)

Channel 2 – Strobe ⚠ CH1 must be set between 1-255 ⚠

0-10	No strobe
11-255	Strobe flash rate, from low to high frequency (0,3-8 Hz)

The order of the 4 LED pods in 4- and 5-channel DMX mode is as follows:



4 Channels

Channel 1 – Dimmer LED pod 1

0	No light output
1-255	Gradual adjustment of the brightness, from low to high intensity (0-100%)

Channel 2 – Dimmer LED pod 2

0	No light output
1-255	Gradual adjustment of the brightness, from low to high intensity (0-100%)

Channel 3 – Dimmer LED pod 3

0	No light output
1-255	Gradual adjustment of the brightness, from low to high intensity (0-100%)

Channel 4 – Dimmer LED pod 4

0	No light output
1-255	Gradual adjustment of the brightness, from low to high intensity (0-100%)

5 Channels

Channel 1 – Dimmer LED pod 1

0 No light output

1-255 Gradual adjustment of the brightness, from low to high intensity (0-100%)

Channel 2 – Dimmer LED pod 2

0 No light output

1-255 Gradual adjustment of the brightness, from low to high intensity (0-100%)

Channel 3 – Dimmer LED pod 3

0 No light output

1-255 Gradual adjustment of the brightness, from low to high intensity (0-100%)

Channel 4 – Dimmer LED pod 4

0 No light output

1-255 Gradual adjustment of the brightness, from low to high intensity (0-100%)

Channel 5 – Strobe CH1, CH2, CH3 or CH4 must be set between 1-255

0-10 No strobe

11-255 Strobe flash rate, from low to high frequency (0,3-8 Hz)

Maintenance

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

The operator has to make sure that safety-related 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:

- 01) All screws used for installing the device or parts of the device have to be tightly connected and must not be corroded.
- 02) There may not be any deformations on housings, fixations and installation spots.
- 03) Mechanically moving parts like axles, eyes and others may not show any traces of wearing.
- 04) The electric power supply cables must not show any damages or material fatigue.

The Stage Blinder 4 LED 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 lens will require weekly cleaning, as smoke-fluid tends to build up residues, reducing the light output very quickly.

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

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 replace the fuse.

- 01) Unplug the unit from electric power source.
- 02) Insert a screwdriver into the slot in the fuse cover. Turn the fuse holder counterclockwise. The fuse holder will come out.
- 03) Remove the used fuse. If brown or unclear, it is burned out.
- 04) 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

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

Suspect three potential problem areas as: the power supply, the LEDs or the primary fuse.

- 01) Power supply. Check that the unit is plugged into an appropriate power supply.
- 02) The LEDs. Return the Stage Blinder to your Showtec dealer.
- 03) The primary fuse. Return the Stage Blinder to your Showtec dealer.
- 04) If all appears to be O.K., plug the unit in again.
- 05) If you are unable to determine the cause of the problem, do not open the Stage Blinder, as this may damage the unit and the warranty will become void.
- 06) Return the device to your Showtec dealer.

No Response to DMX

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

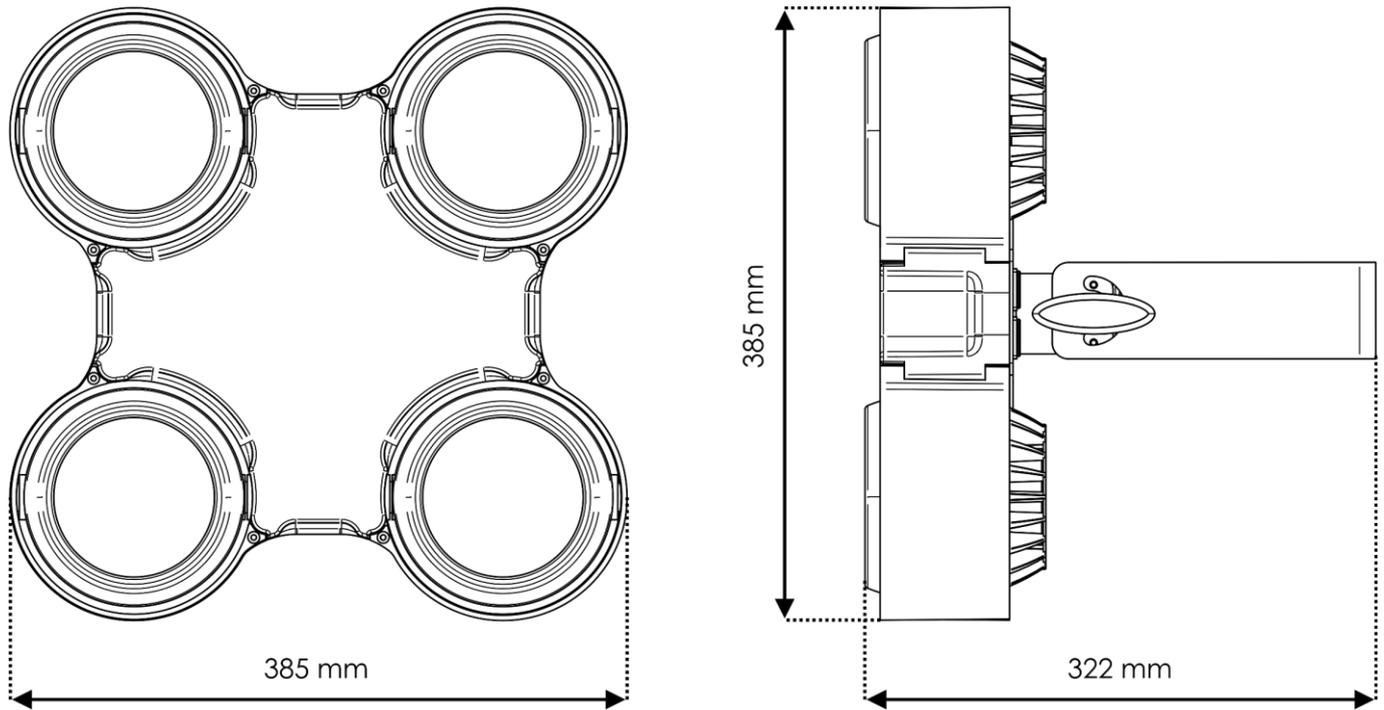
- 01) Check the DMX setting. Make sure that DMX addresses are correct.
- 02) Check the DMX cable: Unplug the unit; change the DMX cable; then reconnect to electrical power. Try your DMX control again.
- 03) Determine whether the controller or light effect is at fault. Does the controller operate properly 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.

Problem	Probable cause(s)	Remedy
One or more fixtures do not function at all	No power to the fixture	<ul style="list-style-type: none"> • Check if power is switched on and cables are plugged in
	Primary fuse blown	<ul style="list-style-type: none"> • Replace the fuse
Fixtures reset correctly, but all respond erratically or not at all to the controller	The controller is not connected	<ul style="list-style-type: none"> • Connect controller
	3-pin XLR Out of the controller does not match XLR Out of the first fixture on the link (i.e. signal is reversed)	<ul style="list-style-type: none"> • Install a phase reversing cable between the controller and the first fixture on the link
Fixtures reset correctly, but some respond erratically or not at all to the controller	Poor data quality	<ul style="list-style-type: none"> • Check data quality. If much lower than 100 percent, the problem may be a bad data link connection, poor quality or broken cables, missing termination plug, or a defective fixture disturbing the link
	Bad data link connection	<ul style="list-style-type: none"> • Inspect connections and cables. Correct poor connections. Repair or replace damaged cables
	Data link not terminated with 120 Ohm termination plug	<ul style="list-style-type: none"> • Insert termination plug in output jack of the last fixture on the link
	Incorrect addressing of the fixtures	<ul style="list-style-type: none"> • Check address setting
	One of the fixtures is defective and disturbs data transmission on the link	<ul style="list-style-type: none"> • Bypass one fixture at a time until normal operation is regained: unplug both connectors and connect them directly together • Have the defective fixture serviced by a qualified technician
	3-pin XLR Out on the fixtures does not match (pins 2 and 3 reversed)	<ul style="list-style-type: none"> • Install a phase-reversing cable between the fixtures or swap pin 2 and 3 in the fixture, that behaves erratically
No light or LEDs cut out intermittently	Fixture is too hot	<ul style="list-style-type: none"> • Allow the fixture to cool down • Clean the fans • Make sure air vents are not blocked • Turn up the air conditioning
	LEDs damaged	<ul style="list-style-type: none"> • Disconnect fixture and return to your dealer
	The power supply settings do not match local AC voltage and frequency	<ul style="list-style-type: none"> • Disconnect fixture. Check settings and correct if necessary

Product Specifications

Model:	Showtec Stage Blinder 4 LED
Input voltage:	100-240 V AC, 50/60Hz
Power consumption:	320 W
Fuse:	T3A, 250 V
Dimensions:	385 x 385 x 322 mm (L x W x H) (including bracket)
Weight:	8,75 kg
Operation and programming	
Signal pin IN/OUT:	pin 1 earth, pin 2 data (-), pin 3 data (+)
DMX channels:	1, 2, 4, 5 channels
Signal input:	3-pin XLR IN
Signal output:	3-pin XLR OUT
Electro-mechanical properties	
Light source:	4 x 80 W (2 x 40 W) dual-white (1800 K/3060 K) COB LED
Color temperature:	2490 K
Output:	13995 lm
Refresh rate:	3100 Hz
Pod movement:	+/- 20° smooth adjustment
Beam angle:	65°
Field angle:	99,5°
IP rating:	IP20
Housing:	Metal/plastic, black
DMX control:	Via standard DMX controller
Display:	OLED
Control:	Manual, auto, DMX-512
Dimmer:	0-100%
Strobe:	0,3-8 Hz
Connections:	Pro power connector IN/OUT, 3-pin DMX XLR connector IN/OUT
Cooling:	Cooling fans
Max. ambient temperature t_a :	40°C
Max. housing temperature t_B :	70°C
Minimum distance:	
Min. distance from flammable surfaces:	0,8 m
Min. distance to lighted object:	0,8 m

Dimensions



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



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