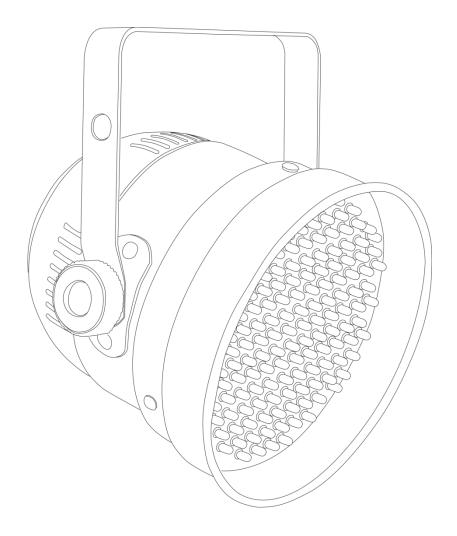


# **MANUAL**



**ENGLISH** 

LED Par 56 Short Eco

Ordercode: 42418

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# Warning



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

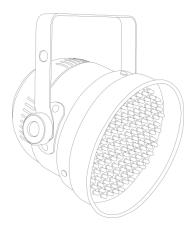


# **Unpacking Instructions**

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 LED Par 56 Short Eco with 0,6m powercable
- 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 the lifespan is of 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 aualified
- 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 the 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 contained 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 lift the fixture holding it by the projector-head, as the mechanics may be damaged. Always hold the fixture by the transport handles.
- Never use the device during thunderstorms, unplug the device immediately.
- Never place any material over the lens.
- Never look directly into the light source.
- Never leave any cables lying around.
- Do not open the device and do not modify the device
- 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 will reduce the device's life.
- Do not touch the device's housing bare-handed during its operation (housing becomes very hot). Allow the fixture 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 fixture 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 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 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 no side forces can impact on the truss system.
- The cable insert or the female part in the device must never be strained. There must always be sufficient cable to the device. Otherwise, the cable may be damaged which may lead to deadly electrical shocks.
- 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 fixture 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.
- This device can be installed on a flat surface or onto truss systems via the mounting bracket.
- The user is responsible for correct positioning and operating of the LED Par 56 Short Eco. 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.
- 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.



# CAUTION! EYEDAMAGES !!! NEVER LOOK DIRECTLY INTO THE LIGHTSOURCE !!!



# **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 1 meter.
- The maximum ambient temperature  $t_a = 40$ °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.

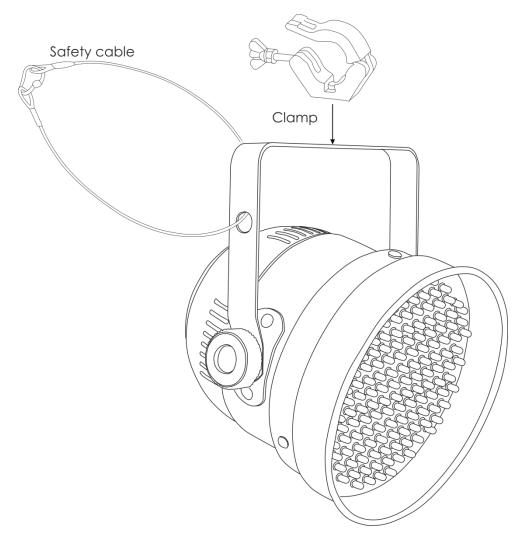
Do not attempt the installation yourself!

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

## Procedure:

- If the 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 site is secured and that there are not any unauthorized people around.





The LED Par 56 Short can be placed on a flat stage floor or mounted to any kind of truss with a clamp.

Improper installation can cause serious injuries and/or damage of property!

# Connection with the mains

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

Always check if 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 properly connected to the earth!

Improper installation can cause serious injuries and/or damage of 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 <a href="mailto:aftersales@highlite.nl">aftersales@highlite.nl</a> 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 short-comings 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 report 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 agreed otherwise in writing.

Complaints against us must be prepared in writing or sent 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 from which the obligation is resulting.



# Description of the device

#### **Features**

The LED Par 56 Short Eco is an compact light effect with high output and great effects.

- Compact size
- Never change lamps again!
- Sound Control
- Low power consumption, long lifetime
- Input voltage: 240V-50Hz (CE)
- Power consumption: 15W
- DMX channels: 6
- DMX Addressing via dipswitches
- Light source: 151 LEDs (51 Red, 49 Green, 51 Blue)
- Control modes: Stand alone, Auto Mode, Music-controlled and DMX-512
- Control protocol: DMX-512
- Dimmer: 0-100%Strobe: 0-20Hz
- Working temperature: -10°C ~ 40°C
- 3-pin XLR IN/OUT
- Dimensions: 210 x 200 x 260 mm (LxWxH)
- Weight: 1,56 kg

Ordercode: 42418



# Frontside

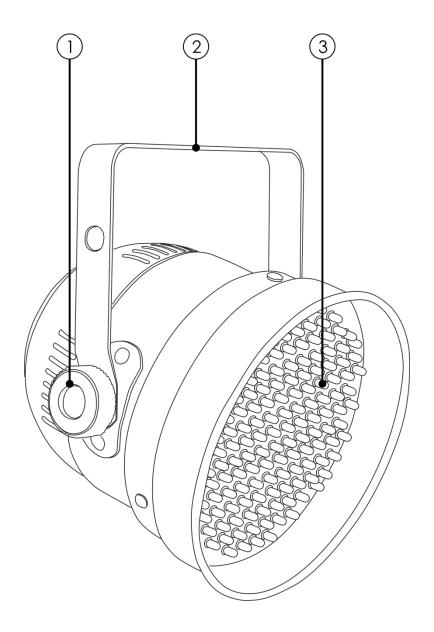


Fig. 01

- 01) Adjustment screw02) Mounting bracket03) 151 LEDs (51 Red, 49 Green, 51 Blue)



# Backside

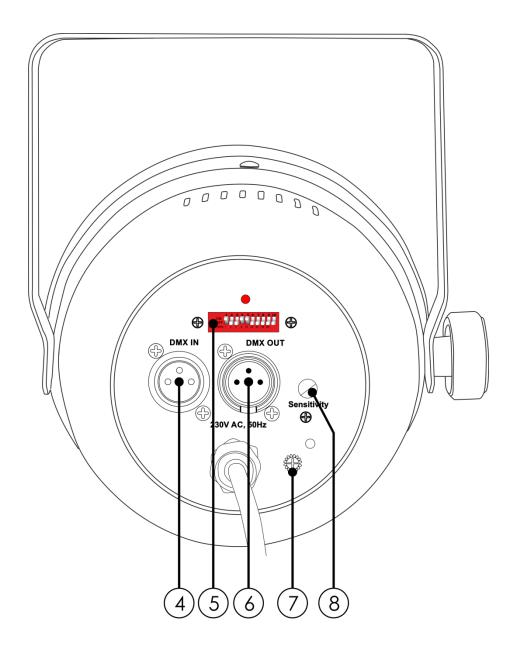


Fig. 02

- 04) 3-pin DMX signal connector IN
- 05) DMX Dipswitches
- 06) 3-pin DMX signal connector OUT
- 07) Ground/Earth connection
- 08) Audio Sensitivity



# Installation

Remove all packing materials from the LED Par 56 Short. Check if 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.

# **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. Connect the device to the main power supply. The device can be sound-controlled as it is equipped with a built-in microphone.

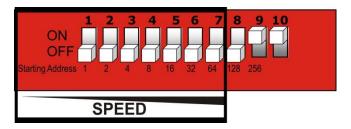
# **Control Modes**

There are 4 modes:

- Auto Mode
- Sound-controlled
- Manual Mode (Static Color)
- DMX-512 (6CH, 8CH, 10CH)

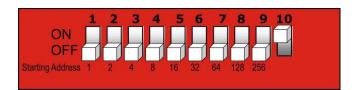
## One LED Par 56 Short (Auto Mode)

- 01) Fasten the effect light to a firm trussing. Leave at least 0,5 meter on all sides for air circulation.
- 02) Plug the end of the electric mains power cord into a proper electric power supply socket.
- 03) When the LED Par 56 Short is not connected with a DMX cable, it functions as a stand-alone device.
- 04) When dipswitch #9 and #10 are turned on, the LED Parcan is in AUTO Mix Color Mode.
- 05) Dipswitches #1 #7 control the changing speed.



#### One LED Par 56 Short (Sound-controlled)

- 01) Fasten the effect light to a firm trussing. Leave at least 0,5 meter on all sides for air circulation.
- 02) Plug the end of the electric mains power cord into a proper electric power supply socket.
- 03) When dipswitch #10 is turned on, the parcan will automatically change its color to the beat of the music.
- 04) Turn on the music. If the device is set to sound-control, then the LED Par 56 Short will react to the beat of the music.
- 05) With the Sensitivity control you can adjust its music-sensitivity.

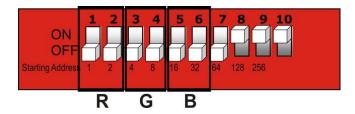






#### One LED Par 56 Short (Manual Mode)

- 01) Fasten the effect light to a firm trussing. Leave at least 0,5 meter on all sides for air circulation.
- 02) Plug the end of the electric mains power cord into a proper electric power supply socket.
- 03) When the LED Par 56 Short is not connected with a DMX cable, it functions as a stand-alone device.
- 04) When dipswitches #8, #9 and #10 are turned on, the LED Parcan is in Manual Mode.
  - Dip Switches #1 and #2 control the brightness of the Red LEDs.
  - Dip Switches #3 and #4 control the brightness of the Green LEDs.
  - Dip Switches #5 and #6 control the brightness of the Blue LEDs.



Brightness grades, Example RED:

00 (Dipswitch Setting:

12

01 (Dipswitch Setting

= 0% = 25%

10 (Dipswitch Setting

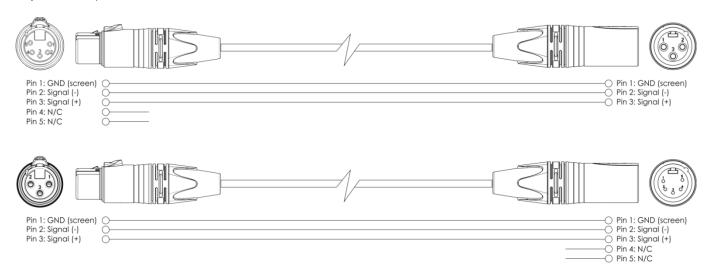
= 50%

11 (Dipswitch Setting

= 100%

## Multiple LED Pars (DMX Control)

- 01) Fasten the effect light to a firm trussing. Leave at least 0,5 meter on all sides for air circulation.
- 02) Always use a safety cable (ordercode 70140 / 70141).
- 03) Use a 3-pin XLR cable to connect the LED Pars and other devices.



- 04) Link the units as shown in fig. 03. Connect the first unit's DMX "out" socket with the second unit's "in" socket, using a DMX-signal cable. Repeat this process to link the second, third, and fourth units.
- 05) 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.



#### Multiple LED Pars DMX Set Up

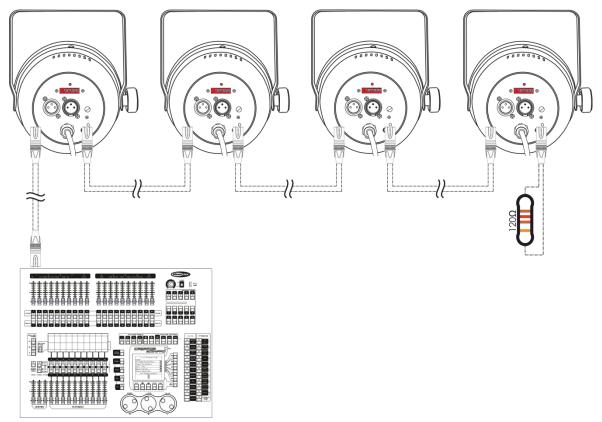


Fig. 03

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. The combined number of channels required by all the 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 a 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 DMX data link distance: 100 meters
Maximum recommended number of fixtures on a DMX data link: 30 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 Certified DMX Data Cables**

- DAP Audio Basic microphone cable for allround use. bal. XLR/M 3 p. > XLR/F 3 p. Ordercode FL01150 (1,5m.), FL013 (3m.), FL016 (6m.), FL0110 (10m.), FL0115 (15m.), FL0120 (20m.).
- DAP Audio cable for the demanding user with exceptional audio-qualities and connector made by Neutrik®. **Ordercode** FL71150 (1,5m.), FL713 (3m.), FL716 (6m.), FL7110 (10m.).



# **DMX Channels**

# 6 channels

Channel 2 - Green  0-255 Gradual adjustment Red, from 0-100%  Channel 3 - Blue  0-255 Gradual adjustment Blue, from 0-100%  Channel 4 - Full Color  0-255 Gradual adjustment, from 0-100%  Channel 5 - Program Speed CH6 must be set between 64-191 Channel 5 - Strobe CH1, CH2, CH3, CH4, CH5 must be open Channel 5 - Strobe CH1, CH2, CH3, CH4, CH5 must be open Channel 6 - Modi  0 No function 1-255 Strobe flash frequency, from slow to fast  Channel 6 - Modi  0-63 RGB control 64-127 7 color fade 128-191 7 color switch 192-255 music-controlled	Channel 1	- Red
Channel 3 - Blue  0-255 Gradual adjustment Blue, from 0-100%  Channel 4 - Full Color  0-255 Gradual adjustment, from 0-100%  Channel 5 - Program Speed CH6 must be set between 64-191  0-255 Slow to fast  Channel 5 - Strobe CH1, CH2, CH3, CH4, CH5 must be open ON function  1-255 Strobe flash frequency, from slow to fast  Channel 6 - Modi  0-63 RGB control  64-127 7 color fade  128-191 7 color switch	0-255	Gradual adjustment Red, from 0-100%
Channel 3 - Blue  0-255 Gradual adjustment Blue, from 0-100%  Channel 4 - Full Color  0-255 Gradual adjustment, from 0-100%  Channel 5 - Program Speed CH6 must be set between 64-191  0-255 Slow to fast  Channel 5 - Strobe CH1, CH2, CH3, CH4, CH5 must be open ON function  1-255 Strobe flash frequency, from slow to fast  Channel 6 - Modi  0-63 RGB control  64-127 7 color fade  128-191 7 color switch		
Channel 3 – Blue  0-255 Gradual adjustment Blue, from 0-100%  Channel 4 – Full Color  0-255 Gradual adjustment, from 0-100%  Channel 5 – Program Speed CH6 must be set between 64-191  0-255 Slow to fast  Channel 5 – Strobe CH1, CH2, CH3, CH4, CH5 must be open  0 No function  1-255 Strobe flash frequency, from slow to fast  Channel 6 – Modi  0-63 RGB control  64-127 7 color fade  128-191 7 color switch		- Green
O-255 Gradual adjustment Blue, from 0-100%  Channel 4 - Full Color  0-255 Gradual adjustment, from 0-100%  Channel 5 - Program Speed CH6 must be set between 64-191 Channel 5 - Strobe CH1, CH2, CH3, CH4, CH5 must be open Channel 5 - Strobe CH1, CH2, CH3, CH4, CH5 must be open Channel 6 - Strobe flash frequency, from slow to fast  Channel 6 - Modi  0-63 RGB control 64-127 7 color fade 128-191 7 color switch	0-255	Gradual adjustment Green, from 0-100%
Channel 4 – Full Color  0-255 Gradual adjustment, from 0-100%  Channel 5 – Program Speed CH6 must be set between 64-191  0-255 Slow to fast  Channel 5 – Strobe CH1, CH2, CH3, CH4, CH5 must be open ONo function  1-255 Strobe flash frequency, from slow to fast  Channel 6 – Modi  0-63 RGB control 64-127 7 color fade 128-191 7 color switch	Channel 3	- Blue
Channel 5 - Program Speed CH6 must be set between 64-191  0-255 Slow to fast  Channel 5 - Strobe CH1, CH2, CH3, CH4, CH5 must be open No function  1-255 Strobe flash frequency, from slow to fast  Channel 6 - Modi  0-63 RGB control 64-127 7 color fade 128-191 7 color switch	0-255	Gradual adjustment Blue, from 0-100%
Channel 5 – Program Speed CH6 must be set between 64-191  0-255 Slow to fast  Channel 5 – Strobe CH1, CH2, CH3, CH4, CH5 must be open CH1, CH2, CH3, CH4, CH5 must be open CH1, CH2, CH3, CH4, CH5 must be open CH	Channel 4	- Full Color
Channel 5 – Strobe CH1, CH2, CH3, CH4, CH5 must be open   No function  1-255 Strobe flash frequency, from slow to fast  Channel 6 – Modi  0-63 RGB control 64-127 7 color fade 128-191 7 color switch	0-255	Gradual adjustment, from 0-100%
O No function  1-255 Strobe flash frequency, from slow to fast  Channel 6 – Modi  0-63 RGB control  64-127 7 color fade  128-191 7 color switch		
Channel 6 – Modi  0-63 RGB control  64-127 7 color fade 128-191 7 color switch		
0-63       RGB control         64-127       7 color fade         128-191       7 color switch	1-255	Strobe flash frequency, from slow to fast
64-127       7 color fade         128-191       7 color switch	Channel 6	– Modi
128-191 7 color switch	0-63	RGB control
	64-127	7 color fade
192-255 music-controlled	128-191	7 color switch
	192-255	music-controlled



# Maintenance

The operator has to make sure that safety-relating 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 LED Par 56 Short 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 and audio connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

# Replacing the 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:

- 01) Unplug the unit from electric power source.
- 02) Insert a flat-head screwdriver into a slot in the fuse cover. Turn the screwdriver to the left, at the same time gently push a bit (Turn and Push). The fuse 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**

Ordercode: 42418

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.

## 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, the internal fuse.

- 01) Power supply. Check that the unit is plugged into an appropriate power supply.
- 02) The LEDs. Return the LED Par to your Showtec dealer.
- 03) The fuse. Replace the fuse. See page 14 for replacing the fuse.
- 04) If all of the above 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 LED Par, 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)	Solution	
One or more fixtures do not function at all	No power to the fixture	Check if power is switched on and cables are plugged in	
Fixtures reset correctly, but all respond erratically or not at all to the controller	Internal fuse blown The controller is not connected. 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> <li>Replace fuse.</li> <li>Connect controller.</li> <li>Install a phase reversing cable between the controller and the first fixture on the link</li> </ul>	
Fixtures reset correctly, but some respond erratically or not at all to the controller	Poor data quality	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> <li>Inspect connections and cables.</li> <li>Correct poor connections. Repair or replace damaged cables</li> </ul>	
	Data link not terminated with 120 Ohm termination plug	Insert termination plug in output jack of the last fixture on the link	
	One of the fixtures is defective and disturbs data transmission on the link	<ul> <li>Check address setting</li> <li>Bypass one fixture at a time until normal operation is restored: unplug both connectors and connect them directly together.</li> <li>Have the defective fixture serviced by a qualified technician</li> </ul>	
	3-pin XLR Out on the fixtures does not match (pins 2 and 3 reversed)	<ul> <li>Install a phase-reversing cable between the fixtures or swap pin 2 and 3 in the fixture that behaves erratically</li> </ul>	
No light or lamp cuts out intermittently	Fixture is too hot	<ul> <li>Allow the fixture to cool down</li> <li>Clean the fan</li> <li>Turn up the air conditioning</li> <li>Disconnect the fixture and return it</li> </ul>	
	LEDs damaged The power supply settings do not match local AC voltage and frequency	to your dealer     Disconnect fixture. Check settings and correct if necessary	



# **Product Specifications**

Model:	Showtec LED Par 56 Short	
Input Voltage:	240V-50Hz (CE)	
Power consumption:	15W	
DMX linking:	30pcs	
Dimensions:	210 x 200 x 260 mm (LxWxH)	
Weight:	1,56 kg	
On available and Drawning in a		
Operating and Programming:	Die 1 / e subble sie 0 / heie 2 / h	
Signal pin OUT:	Pin 1 (earth), pin 2 (-), pin 3 (+)	
DMX Mode:	6 Channels	
Signal input:	3-pin XLR IN	
Signal output:	3-pin XLR OUT	
Electro-mechanical effects:		
LED Quantity:	151 LEDs (51 Red, 49 Green, 51 Blue)	
Color mixing:	RGB	
Control protocol:	DMX-512	
Dimmer:	0-100%	
Strobe:	0-20Hz	
DMX-control:	via standard DMX-controller	
DMX Addressing	Dipswitches	
Control:	Stand alone, Auto Mode, Music-controlled and DMX-512	
Connections:	Blue White Power connector IN/OUT	
Max. ambient temperature $t_a$ :	40°C	
Max. housing temperature t <sub>B</sub> :	80°C	
Minimum distance:		
Minimum distance from flammable surfaces:	0,5 m	
Minimum distance to lighted object:	1 m	

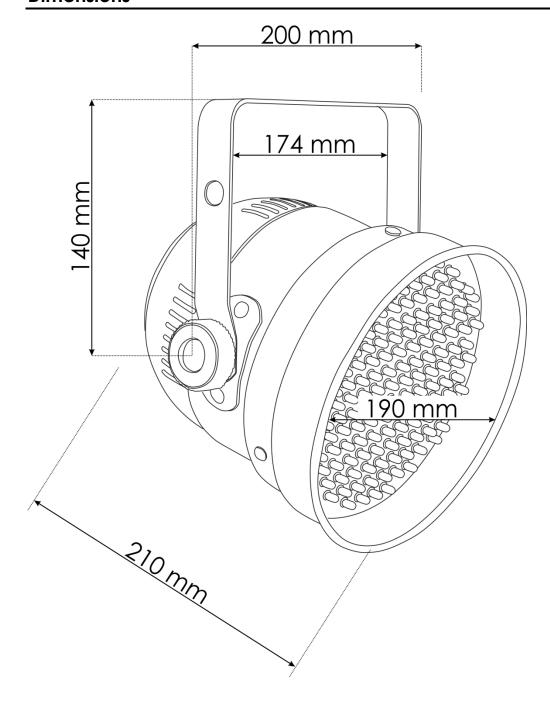
Design and product specifications are subject to change without prior notice.



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# **Dimensions**





# LED Par 56 Short Eco Notes





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