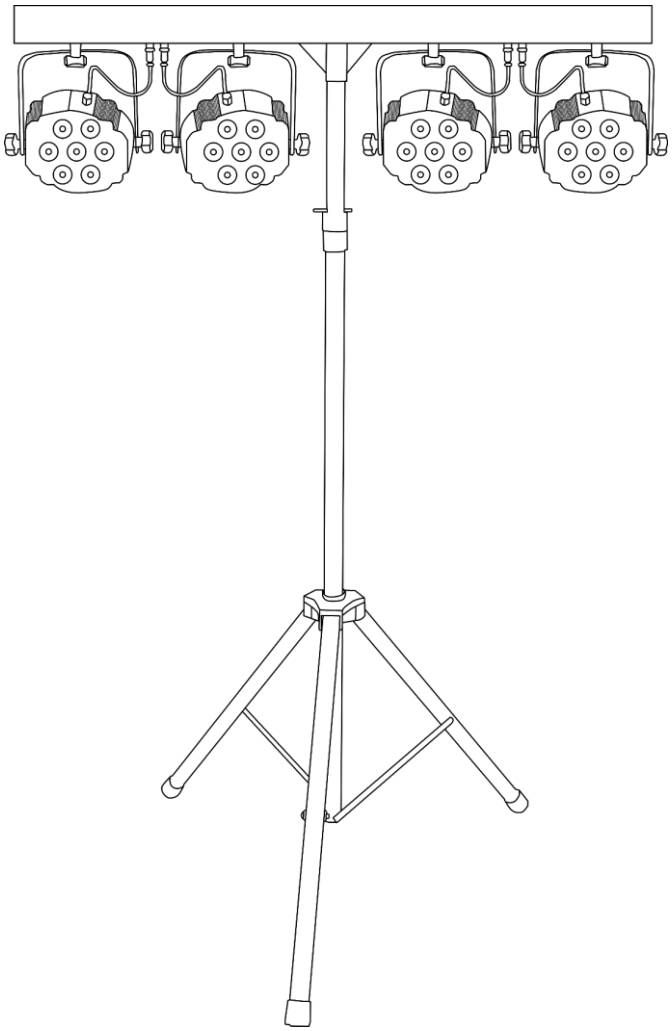
MANUAL



ENGLISH

Compact Power Lightset MKII V3

Ordercode: 30268

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Warning

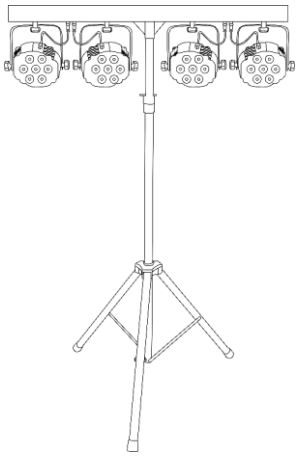
For your own safety, please read this user manual carefully before your initial start-up!

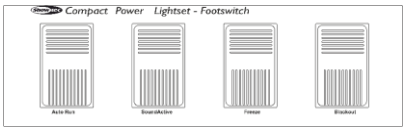
Unpacking Instructions

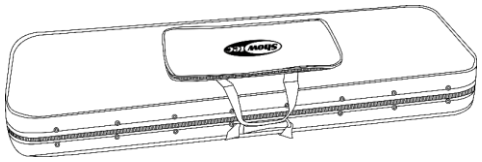
Immediately upon receiving this product, carefully unpack the carton and check the contents to ensure that all parts are present, and have been received in good condition. Notify the dealer immediately and retain packing material for inspection if any parts appear to be damaged from shipping or the carton itself shows signs of mishandling. Save the carton and all packing materials. In the event that the 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 Compact Power Lightset MKII
- Stand and carrying bag incl.
- Footcontroller included
- IEC powercable 5,0m
- 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 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.
- In case of rotating gobos: Never loosen the screws of the rotating gobo otherwise you risk opening of the ball bearing.
- 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.
- Never use a LED strip in sealed or hot places.
- Always mount a LED strip on aluminum or metal surface, for best heat dissipation.
- 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 very 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 applies to devices with IP<=65).
- 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 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 the core diameter of extension cords and power cords is sufficient for the required power consumption of the device.
- If the lens or LEDs are obviously damaged, it has to be replaced to prevent its 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.
  Note: WARRANTY on batteries is only 6 months after date of purchase.
  When your battery remains flat after fully charging or it doesn't function or doesn't charge anymore, you can order a new battery. The spare part number for the battery is on request.

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. (This distance may differ depending on the model. The exact minimum distance will be mentioned in the corresponding manual.)
- To eliminate wear and improve lifespan, during periods of non-use, completely disconnect from power via breaker or by unplugging.
- 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 Compact Power Lightset is lowered from the ceiling or high joists, professional trussing systems have to be used.
- Use a clamp to mount the Compact Power Lightset, with the mounting-bracket, to the trussing system.
- The Compact Power Lightset 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 Compact Power Lightset, always make sure, that the area below the installation place is blocked and staying in the area is forbidden.

The Compact Lightset can be placed on a flat stage floor or mounted to any kind of truss by a clamp.

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

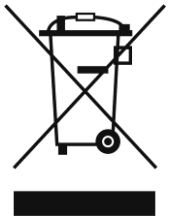
Connection with the mains

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 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.nl 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 of the return. Be sure to properly pack fixture as 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 notify and submit claims with the shipper in the event that the 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 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 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 Compact Power Lightset MKII is a T-bar with 4 LED spots on a light stand, packed in a hard case and a stand. It is a plug and play set that offers internal chase programs but also can be controlled by DMX or with the included footswitch.

- T-Bar with built-in controller
- 3-in-1 RGB LEDs
- Stand included
- Carrying bag included
- Music-controlled via built-in microphone
- Via included Footswitch: Auto run, Sound, Freeze, Blackout
- Ideal for musicians, bands and mobile DJ
- Variable in stand height 1200-2000mm
- Power Supply: 100-240V AC, 50/60Hz
- Power Consumption: 90W
- Light source: 7x 3W RGB LEDs (1 spot)
- 4-digit LED display for easy setup
- Control modes: Auto, Sound-controlled, Manual, Master/Slave, DMX
- Control protocol: DMX-512
- DMX channels: 2, 3, 4, 7, 8, 14 or 15 channels
- Dimmer: 0-100%
- Strobe: 0-20Hz
- Beam angle: 40°
- IP rating: IP-20
- Housing: Metal, black coated
- Fuse: 1A/250V
- Cooling: Convection
- Connections: IEC connectors (IN), 3-pin XLR (IN/OUT)
- Dimensions T-bar + 4 parcans: 1140 x 235 x 60 mm (LXWXH)
- Weight T-bar + 4 parcans: 8,7 kg

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

Optional accessories

50717 LED Commander
D7026 Case for 4X compact lightsets
FL0910 DMX/AES-EBU XLR/m 3P.>XLR/F 3P.
FL4010 Bal. stereo Jack > stereo contra-jack

Backside

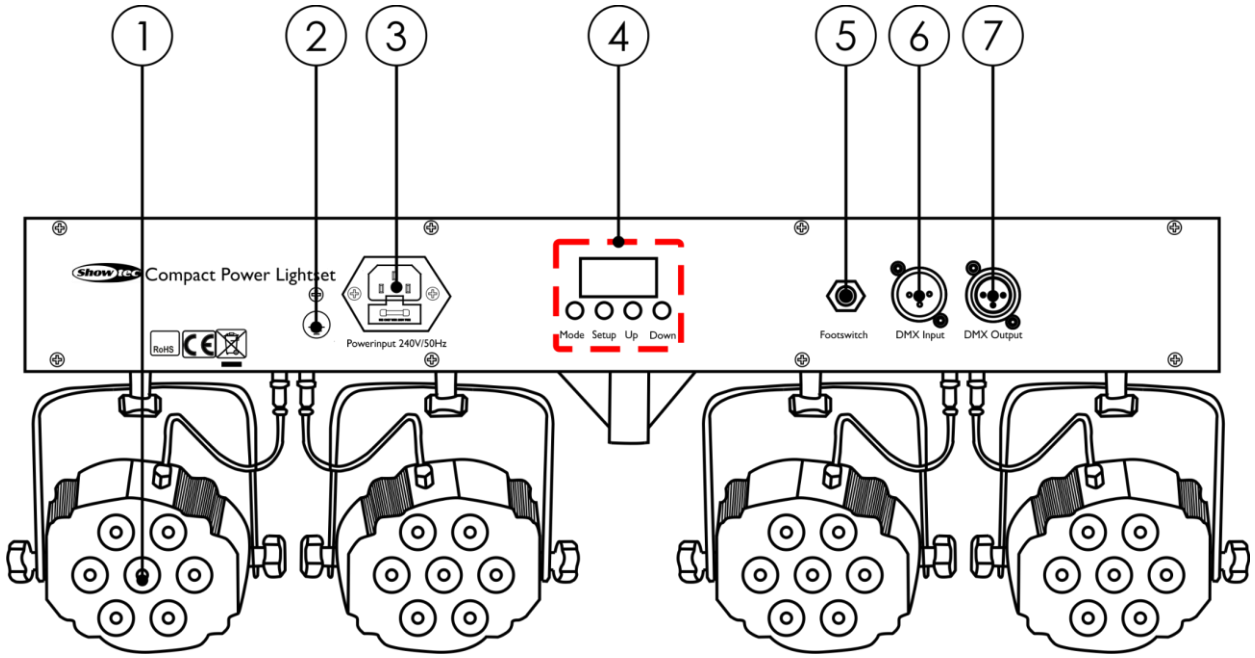


Fig. 01

01) 7x 3W RGB LEDs (1 spot)
02) Ground/Earth connection
03) IEC Power In + Fuse 1A / 250V
04) Menu Buttons + LED display
05) Footswitch input
06) DMX signal connector (IN) 3-pin
07) DMX signal connector (OUT) 3-pin

Installation

Remove all packing materials from the Compact Power Lightset MKII.
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.

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.

Control Modes

There are 6 modes:

- Built-in programs
- Auto Run
- Static Color
- Sound-controlled
- Master/Slave
- DMX-512 (2, 3, 4, 7, 8, 14 or 15 CH)

One Compact Power Lightset (Auto Run, Built-in programs, Static Color)

01) Fasten the effect light onto firm trussing or place it on the floor. Leave at least 0,5 meter on all sides for air circulation.
02) Always use a safety cable (ordercode 70140 / 70141).
03) Plug the end of the electric mains power cord into a proper electric power supply socket.
04) When the Compact Power Lightset is not connected by a DMX-cable, it functions as a stand-alone device. Please see pages 14-16 for more information about the built-in programs, auto run mode or static color.

One Compact Power Lightset (Sound-control)

01) Fasten the effect light onto firm trussing or place it on the floor. Leave at least 0,5 meter on all sides for air circulation.
02) Always use a safety cable (ordercode 70140 / 70141).
03) Plug the end of the electric mains power cord into a proper electric power supply socket.
04) When the Compact Power Lightset is not connected by a DMX-cable, it functions as a stand-alone device.
05) Turn on the music. If the device is set to sound-control, then the Compact Power Lightset will react to the beat of the music. Please see page 15 for more information about the Sound-controlled mode.

Multiple Compact Power Lightsets (Master/Slave control)

01) Fasten the effect light onto firm trussing or place it on the floor. Leave at least 0,5 meter on all sides for air circulation.
02) Always use a safety cable (ordercode 70140 / 70141).
03) Plug the end of the electric mains power cord into a proper electric power supply socket.
04) Use a 3-p XLR cable to connect the Compact Power Lightsets and other devices.
The pins:

1. Earth
2. Signal (-)
3. Signal (+)

05) Link the units as shown in Fig. 02, 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 and third units. You can use the same functions on the master device as described on pages 14-16 (Sound controlled, Manual control, Auto run, Built-in Programs). This means you can set your desired operation mode on the master device and all slave devices will react the same as the master device.

Multiple Compact Power Lightsets (Master/Slave control)

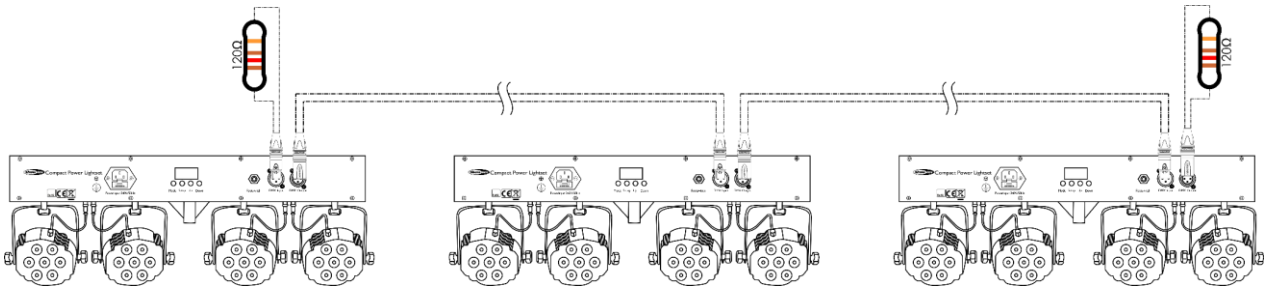
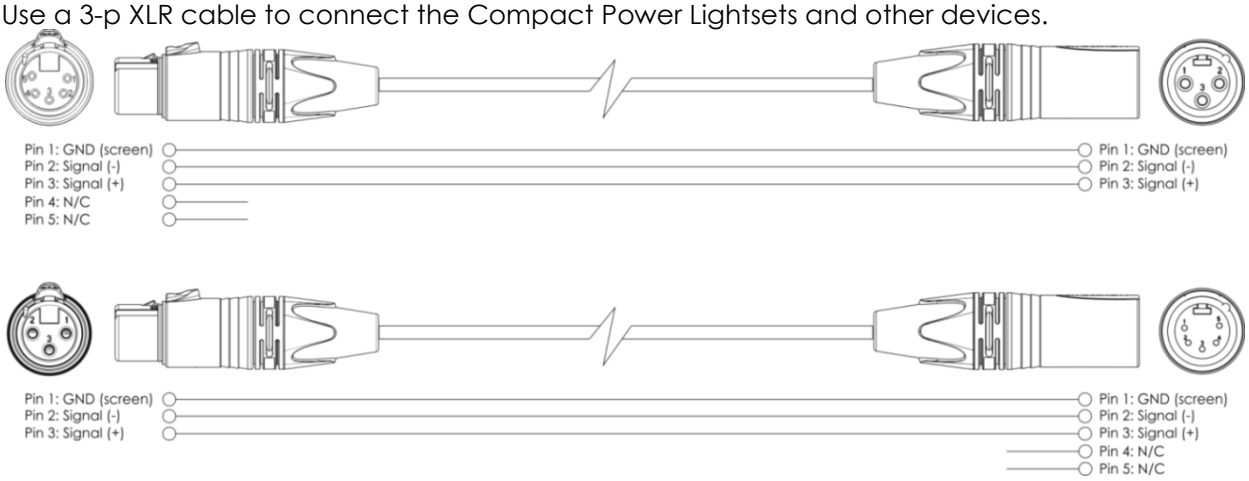


Fig. 02

Multiple Compact Power Lightsets (DMX512 Mode)

01) Fasten the effect light onto firm trussing or place it on the floor. 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-p XLR cable to connect the Compact Power Lightsets and other devices.



04) 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 and third 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 Compact Power Lightsets DMX Set Up

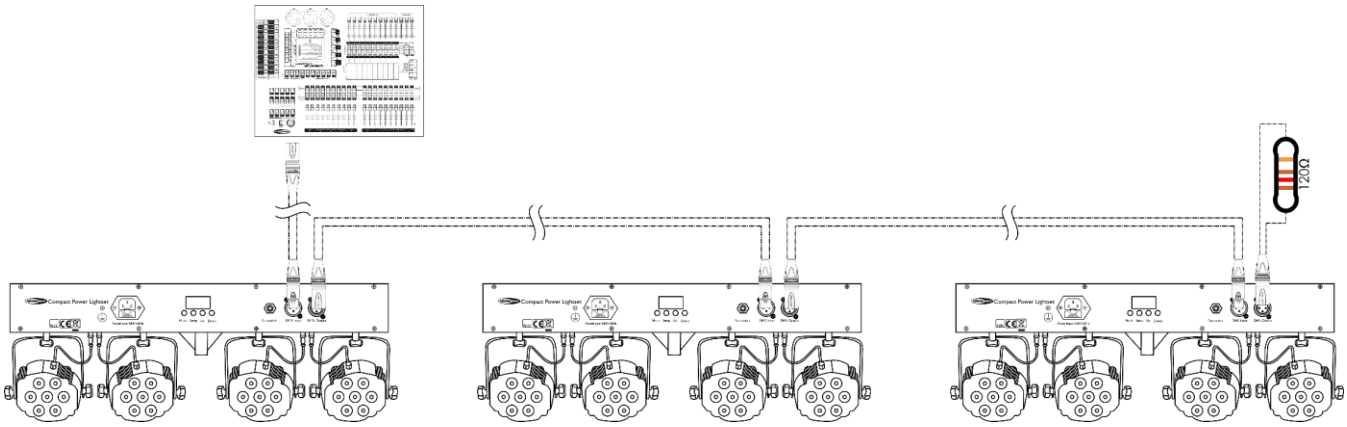


Fig. 03

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 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 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 number of fixtures on a DMX data link: 30 fixtures

Data Cabling

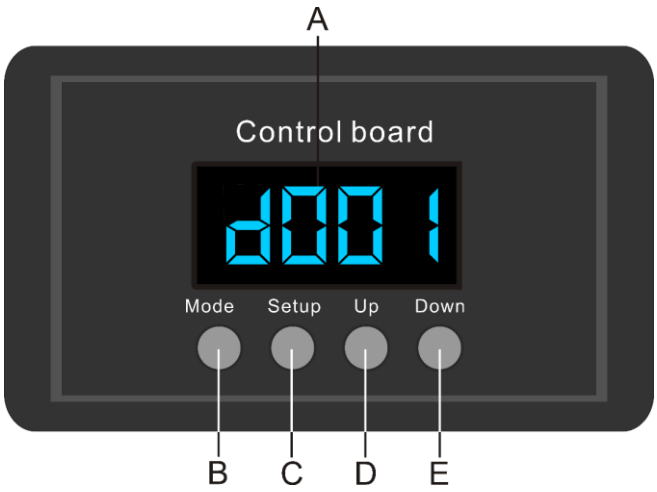
To link fixtures together you must obtain data cables. You can purchase DAP Audio certified DMX cables directly from a dealer/distributor or construct your own cable. If you choose to create your own cable please use data-grade cables that can carry a high quality signal and are less prone to electromagnetic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

DAP Audio DMX Data Cables

- DAP Audio Basic microphone cable for allround use. bal. XLR/M 3-pin > XLR/F 3-pin. **Ordercode** 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. **Ordercode** 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®. **Ordercode** 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®. **Ordercode** 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. **Ordercode** 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 DMX adapter: 5-pin/3-pin. **Ordercode** FLA29.
- DAP Audio DMX adapter: 3-pin/5-pin. **Ordercode** FLA30.
- DAP Audio DMX Terminator 3-pin. **Ordercode** FLA42.
- DAP Audio DMX Terminator 5-pin. **Ordercode** FLA43.

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

Control Panel



A. LED Display
B. Mode button
C. Setup Button
D. Up Button
E. Down Button

Fig. 04

DMX Control Mode

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.)

DMX Addressing

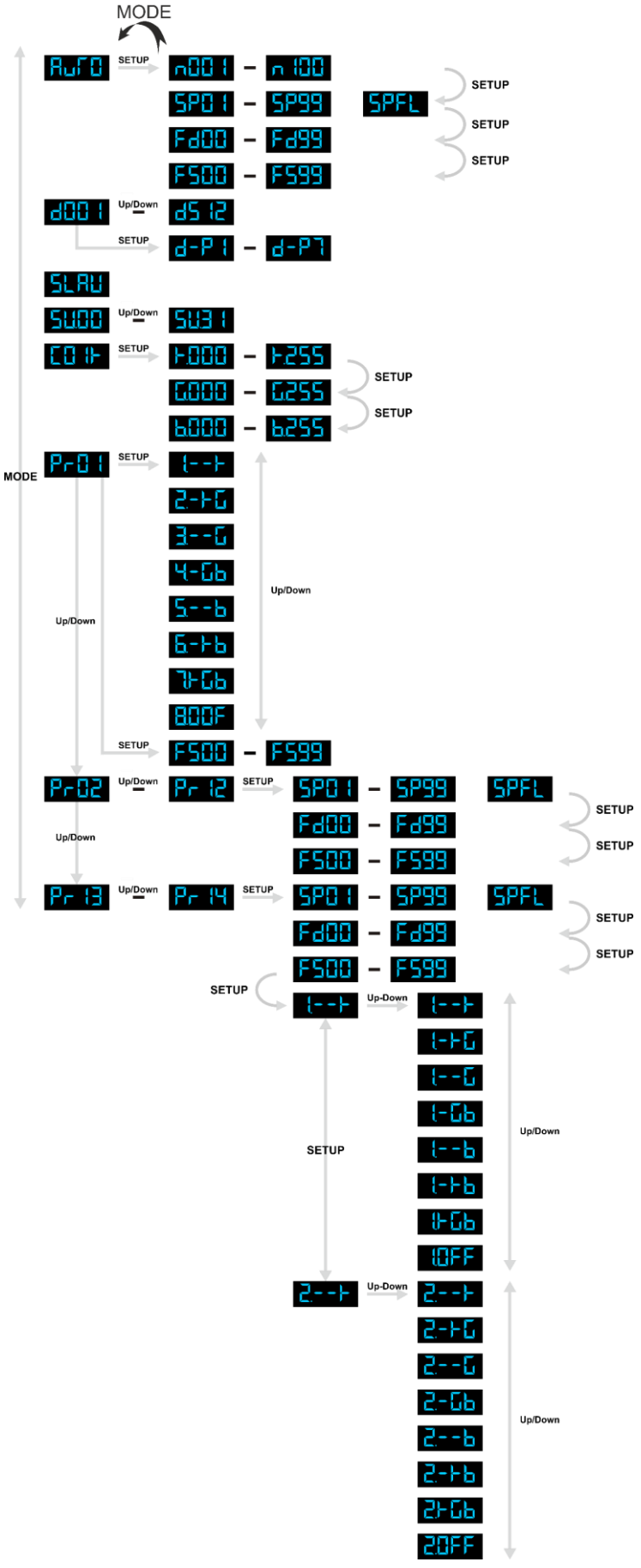
The control panel on the backside of the device allows you to assign the DMX fixture address, which is the first channel from which the Compact Power Lightset will respond to the controller. Please note when you use the controller, the unit has up to **15** channels. When using multiple Compact Power Lightsets , make sure you set the DMX addresses right. Therefore, the DMX address of the first Compact Power Lightset should be **1(d001)**; the DMX address of the second Compact Power Lightset should be **1+15=16 (d016)**; the DMX address of the third Compact Power Lightset should be **16+15=31 (d031)**, etc. Please, be sure that you do not have any overlapping channels in order to control each Compact Power Lightset correctly. If two or more Compact Power Lightsets are addressed similarly, they will work similarly.

Controlling:
After having addressed all Compact Power Lightsets, you may now start operating these via your lighting controller.
Note: After switching on, the Compact Power Lightset will automatically detect whether DMX 512 data is received or not. The problem may be:

- The XLR cable from the controller is not connected with the input of the Compact Power Lightset.
- 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 is 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.

Menu overview



Main Menu Options

AUTO	Auto run
d001	DMX address/DMX configuration
SLAv	Slave mode
SOUD	Sound-controlled mode
COLr	Static Color
P-01	Built-in programs

1. Auto Run Program

With this menu you can activate the Auto run mode of the Compact Power Lightset.

01) Press the **Mode** button on the device until the display shows AUTO.
02) Press the **Setup** button to enter the submenu.
03) Press the **Setup** button to choose between 4 options:

n001	– n100		Number of loops from 001-100
SP01	– SP99	SPFL	Speed between 01-99 and FL
Fd00	– Fd99		Fade time from 00-99
F500	– F599		Strobe frequency between 00-99

04) Press the **Up** and **Down** buttons to set one of the desired options.

2. DMX Address/DMX configuration

With this menu you can set the DMX address and choose a DMX configuration.

01) Press the **Mode** button until the display shows d001.
02) You can choose 512 different DMX addresses.
03) Press the **Up**/**Down** buttons to select the required address between d001 Up/Down d512.
04) If you press the **Setup** button, you can choose a different DMX Mode:

d-P1	3 channels
d-P2	4 channels
d-P3	8 channels
d-P4	14 channels
d-P5	2 channels
d-P6	15 channels
d-P7	7 channels

3. Slave mode
With this menu you can set the device as a Slave.

01) Press the **Mode** button until the display shows SLAv.
02) If the device has not been set to slave, it is automatically classified as a master device. All slave devices will follow the master movement. If the device has been set to slave, it will react the same as its master device.

4. Sound-controlled mode
With this menu you can activate the sound-controlled mode.

01) Press the **Mode** button until the display shows SU00.
02) Press the **Up**/**Down** buttons to select the required sound sensitivity between SU00 Up/Down SU31.
03) Turn on the music and the Compact Lightset will start the Sound-controlled program.

5. Static Color
With this menu you can set the static colors.

01) Press the **Mode** button until the display shows C01r.
02) Press the **Setup** button to enter the submenu.
03) Press the **Up**/**Down** buttons to select the required color:

r000 – r255 Gradual adjustment Red intensity between 0-255
G000 – G255 Gradual adjustment Green intensity between 0-255
b000 b255 Gradual adjustment Blue intensity between 0-255

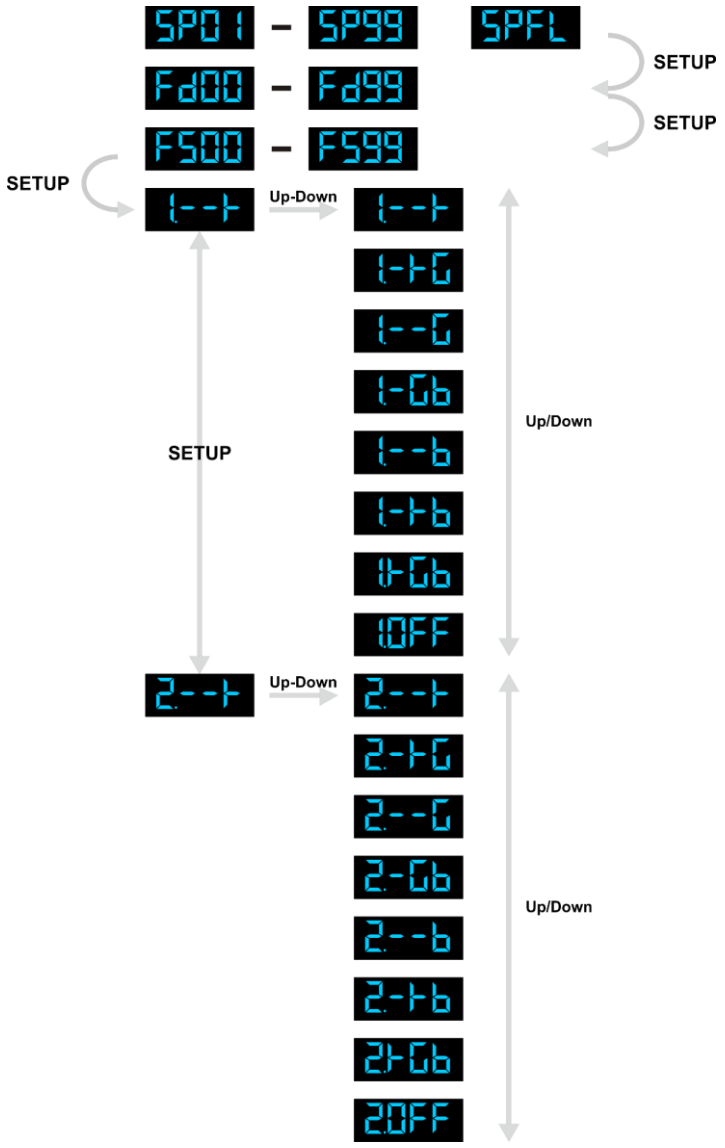
6 Built-in Programs
With this menu you can choose a built-in program.

01) Press the **Mode** button, until the display shows Pr01.
02) Press the **Up** and **Down** buttons to choose between 14 built-in programs.
03) If you choose Pr01, press the **Setup** button to enter the submenu:

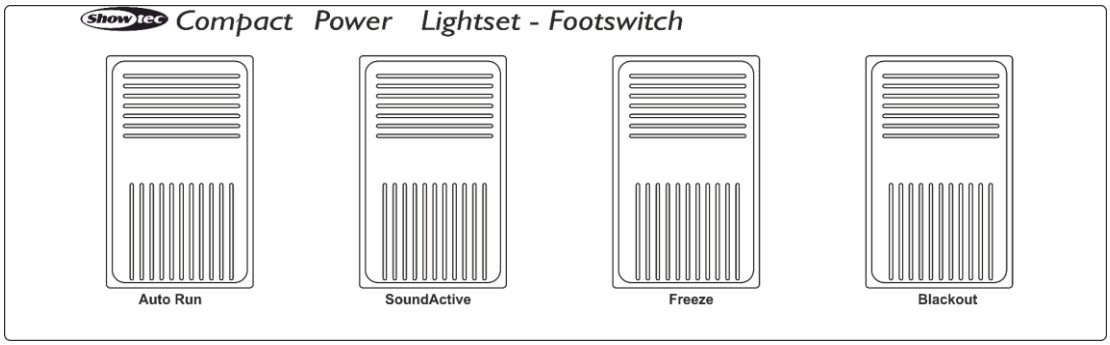
1--r Red
2-rG Red + Green
3--G Green
4-Gb Green + Blue
5--b Blue
6-rb Red + Blue
7rGb Red + Green + Blue
8DOF Off

04) Choose the desired color and press the **Setup** button to set the strobe frequency.
05) Press the **Up** and **Down** buttons to choose the strobe frequency, the adjustment range is between F500 – F599.
06) If you choose Pr02 Up/Down Pr12, press the **Setup** button to set the speed, fade time or strobe frequency. The adjustment range is between SP01 – SP99 SPFL (speed), Fd00 – Fd99 (fade) and F500 – F599 (strobe).

07) If you choose Pr 13 Up/Down Pr 14, press the **Setup** button to scroll between the speed, fade time, strobe frequency or choose colors from segment 1 or 2:



Footswitch



7. Footswitch Function (footswitch (30269) included !)

01) Step on the **Auto Run** pedal to enter the auto running mode.
02) Step on the **Music** pedal to enter the sound active mode.
03) Step on the **Freeze** pedal to pause the function; Step on this pedal again to restart operation.
04) Step on the **Blackout** pedal to turn off all lights and then step on it again to enter the previous mode.

DMX Channels

3 channels

Channel 1 – Red Dimmer intensity

0-255	Gradual adjustment Red from 0-100%

Channel 2 – Green Dimmer intensity

0-255	Gradual adjustment Green from 0-100%

Channel 3 – Blue Dimmer intensity

0-255	Gradual adjustment Blue from 0-100%

4 channels

Channel 1 – Red Dimmer intensity (CH4 must be set between 1-255)

0-255	Gradual adjustment Red from 0-100%

Channel 2 – Green Dimmer intensity (CH4 must be set between 1-255)

0-255	Gradual adjustment Green from 0-100%

Channel 3 – Blue Dimmer intensity (CH4 must be set between 1-255)

0-255	Gradual adjustment Blue from 0-100%

Channel 4 –Master Dimmer intensity

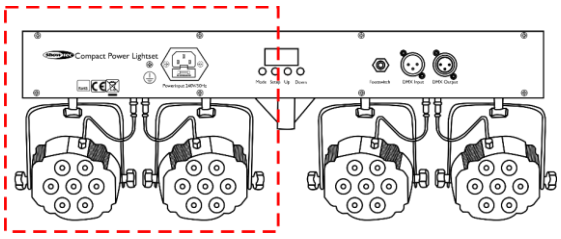
0-255	Gradual adjustment, from dark to brightest 0-100%

8 channels

Channel 1 – Red Dimmer intensity

(CH8 must be set between 1-255)

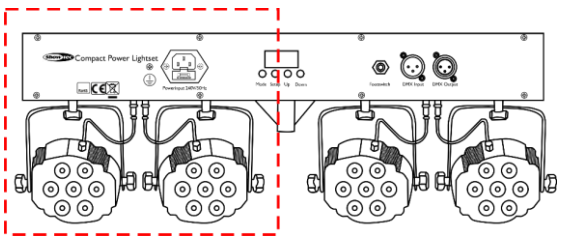
0-255	Gradual adjustment Red from 0-100%



Channel 2 – Green Dimmer intensity

(CH8 must be set between 1-255)

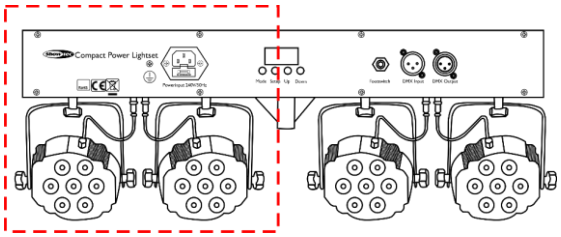
0-255	Gradual adjustment Green from 0-100%



Channel 3 – Blue Dimmer intensity

(CH8 must be set between 1-255)

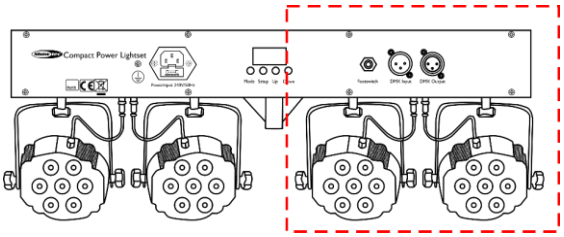
0-255	Gradual adjustment Blue from 0-100%



Channel 4 – Red Dimmer intensity

(CH8 must be set between 1-255)

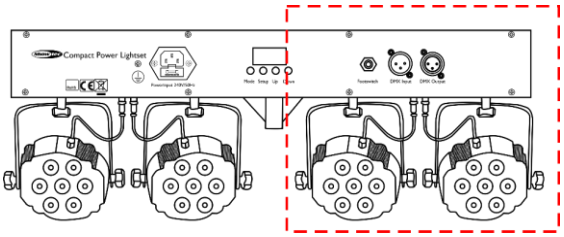
0-255	Gradual adjustment Red from 0-100%



Channel 5 – Green Dimmer intensity

(CH8 must be set between 1-255)

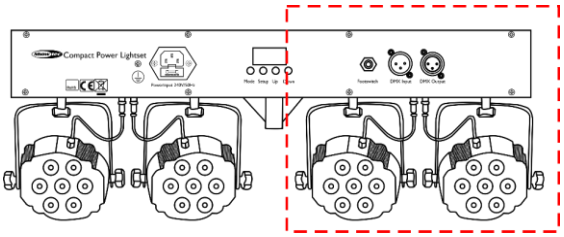
0-255	Gradual adjustment Green from 0-100%



Channel 6 – Blue Dimmer intensity

(CH8 must be set between 1-255)

0-255	Gradual adjustment Blue from 0-100%



Channel 7 –Strobe (CH1, CH2, CH3, CH4, CH5 or CH6 and CH8 must be set between 1-255)

0-255	Strobe flash frequency, from slow to fast

Channel 8 –Master Dimmer intensity

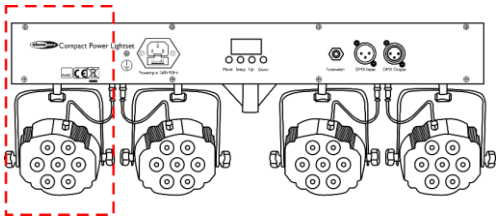
0-255	Gradual adjustment, from dark to brightest 0-100%

14 channels

Channel 1 – Red Dimmer intensity

(CH14 must be set between 1-255)

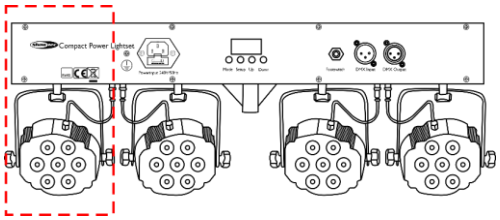
0-255	Gradual adjustment Red from 0-100%



Channel 2 – Green Dimmer intensity

(CH14 must be set between 1-255)

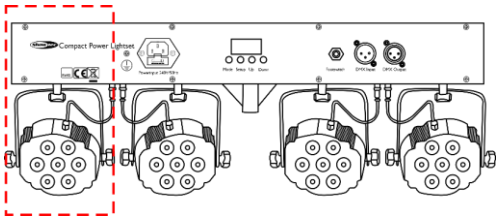
0-255	Gradual adjustment Green from 0-100%



Channel 3 – Blue Dimmer intensity

(CH14 must be set between 1-255)

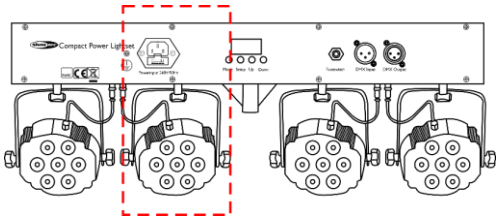
0-255	Gradual adjustment Blue from 0-100%



Channel 4 – Red Dimmer intensity

(CH14 must be set between 1-255)

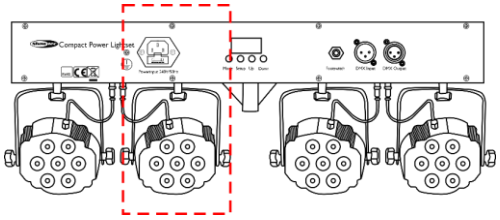
0-255	Gradual adjustment Red from 0-100%



Channel 5 – Green Dimmer intensity

(CH14 must be set between 1-255)

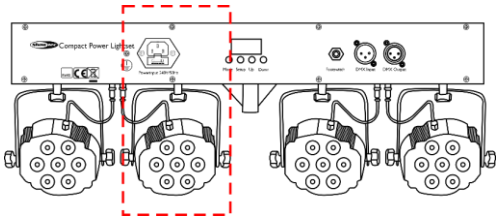
0-255	Gradual adjustment Green from 0-100%



Channel 6 – Blue Dimmer intensity

(CH14 must be set between 1-255)

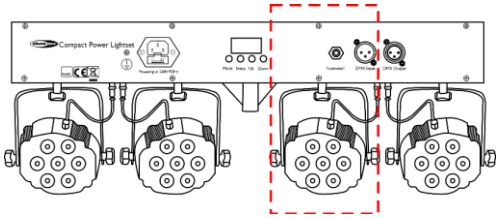
0-255	Gradual adjustment Blue from 0-100%



Channel 7 – Red Dimmer intensity

(CH14 must be set between 1-255)

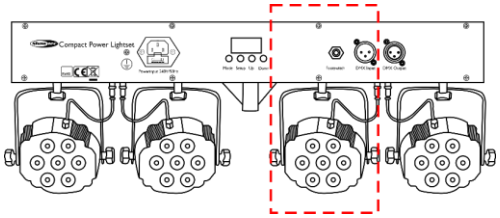
0-255	Gradual adjustment Red from 0-100%



Channel 8 – Green Dimmer intensity

(CH14 must be set between 1-255)

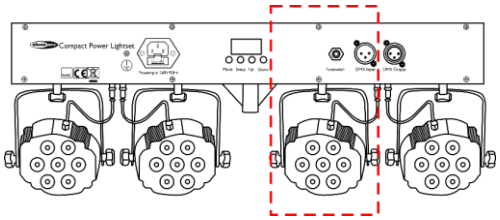
0-255	Gradual adjustment Green from 0-100%



Channel 9 – Blue Dimmer intensity

(CH14 must be set between 1-255)

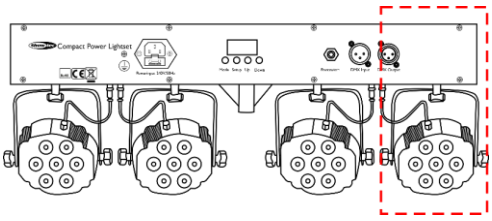
0-255	Gradual adjustment Blue from 0-100%



Channel 10 – Red Dimmer intensity

(CH14 must be set between 1-255)

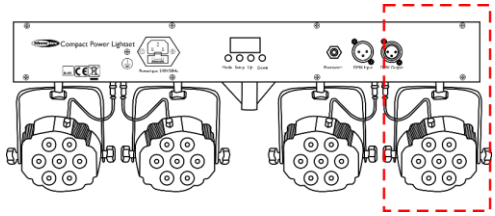
0-255	Gradual adjustment Red from 0-100%



Channel 11 – Green Dimmer intensity

(CH14 must be set between 1-255 ⚠)

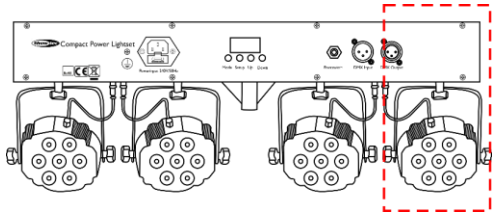
0-255	Gradual adjustment Green from 0-100%



Channel 12 – Blue Dimmer intensity

(CH14 must be set between 1-255 ⚠)

0-255	Gradual adjustment Blue from 0-100%



Channel 13 –Strobe (CH1- CH11 or CH12 and CH14 must be set between 1-255 ⚠)

0-255	Strobe flash frequency, from slow to fast

Channel 14 –Master Dimmer intensity

0-255	Gradual adjustment, from dark to brightest 0-100%

2 channels

Channel 1 – Colors or built-in programs

0-9	No function
10-19	Red
20-29	Yellow
30-39	Green
40-49	Cyan
50-59	Blue
60-69	Purple
70-79	White
80-89	Program 1
90-99	Program 2
100-109	Program 3
110-119	Program 4
120-129	Program 5
130-139	Program 6
140-149	Program 7
150-159	Program 8
160-169	Program 9
170-179	Program 10
180-189	Program 11
190-199	Program 12
200-209	Program 13
210-219	Program 14
220-229	Program 15
230-239	Program 16
240-255	Sound-controlled

Channel 2 – Speed built-in programs (CH1 must be set between 80-239 ⚠)

0-255	Gradual speed adjustment, from slow to fast

Channel 2 – Sound-controlled (CH1 must be set between 240-255 ⚠)

0-255	Sound sensitivity from less sensitivity to high sensitivity

15 channels

Channel 1 –Control mode

0-9	RGB mode for CH2-15
10-249	Auto program
250-255	Sound-controlled

Channel 2 –Master Dimmer intensity

0-255	Gradual adjustment, from dark to brightest 0-100%

Channel 3 –Strobe

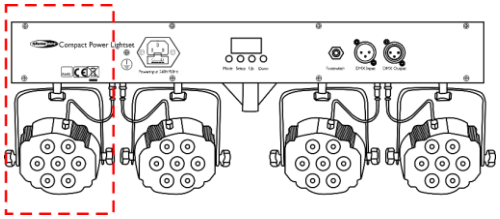
(CH1 must be set between 0-9 and CH2 and CH4 – CH15 must be set between 1-255 ⚠)

0-255	Strobe flash frequency, from slow to fast

Channel 4 – Red Dimmer intensity

(CH1 must be set between 0-9, CH2 between 1-255 ⚠)

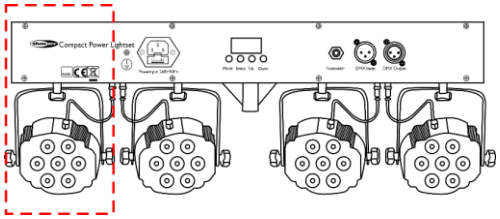
0-255	Gradual adjustment Red from 0-100%



Channel 5 – Green Dimmer intensity

(CH1 must be set between 0-9, CH2 between 1-255 ⚠)

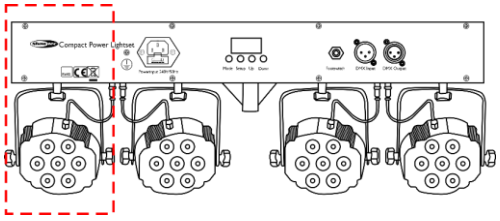
0-255	Gradual adjustment Green from 0-100%



Channel 6 – Blue Dimmer intensity

(CH1 must be set between 0-9, CH2 between 1-255 ⚠)

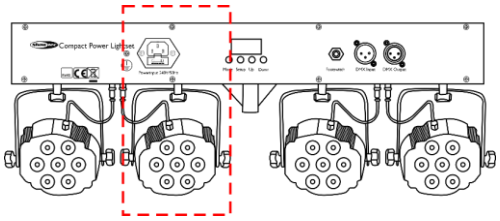
0-255	Gradual adjustment Blue from 0-100%



Channel 7 – Red Dimmer intensity

(CH1 must be set between 0-9, CH2 between 1-255)

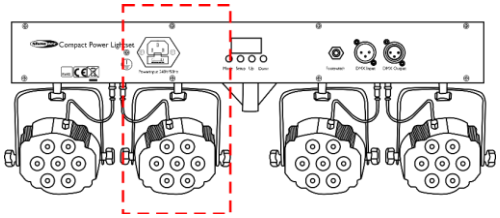
0-255	Gradual adjustment Red from 0-100%



Channel 8 – Green Dimmer intensity

(CH1 must be set between 0-9, CH2 between 1-255)

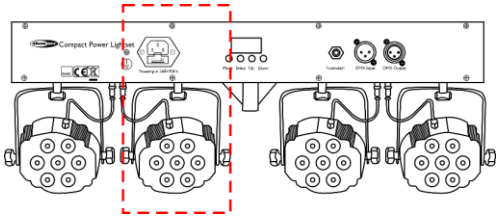
0-255	Gradual adjustment Green from 0-100%



Channel 9 – Blue Dimmer intensity

(CH1 must be set between 0-9, CH2 between 1-255)

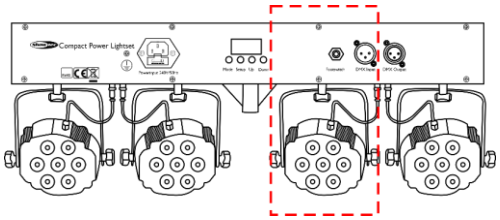
0-255	Gradual adjustment Blue from 0-100%



Channel 10 – Red Dimmer intensity

(CH1 must be set between 0-9, CH2 between 1-255)

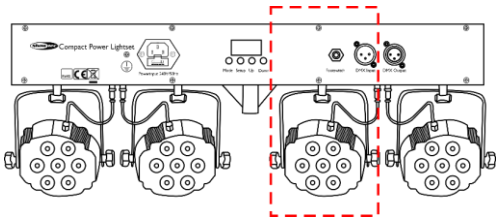
0-255	Gradual adjustment Red from 0-100%



Channel 11 – Green Dimmer intensity

(CH1 must be set between 0-9, CH2 between 1-255)

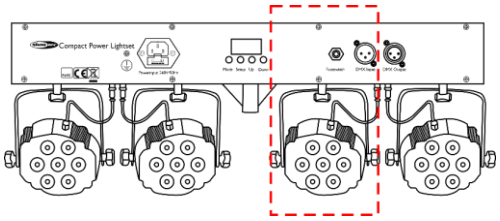
0-255	Gradual adjustment Green from 0-100%



Channel 12 – Blue Dimmer intensity

(CH1 must be set between 0-9, CH2 between 1-255)

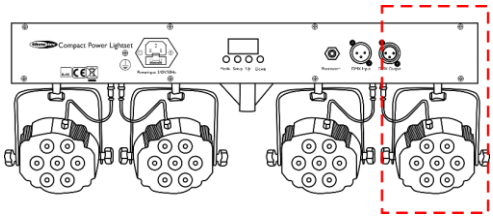
0-255	Gradual adjustment Blue from 0-100%



Channel 13 – Red Dimmer intensity

(CH1 must be set between 0-9, CH2 between 1-255)

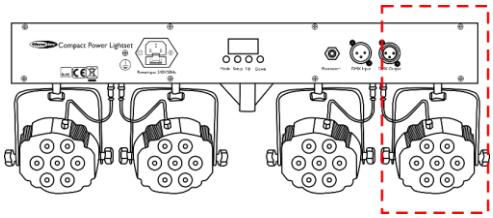
0-255	Gradual adjustment Red from 0-100%



Channel 14 – Green Dimmer intensity

(CH1 must be set between 0-9, CH2 between 1-255)

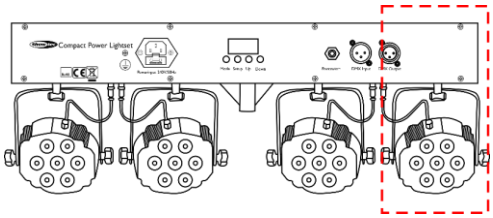
0-255	Gradual adjustment Green from 0-100%



Channel 15 – Blue Dimmer intensity

(CH1 must be set between 0-9, CH2 between 1-255)

0-255	Gradual adjustment Blue from 0-100%



7 channels

Channel 1 – Red Dimmer intensity (CH7 must be set between 1-255)

0-255	Gradual adjustment Red from 0-100%

Channel 2 – Green Dimmer intensity (CH7 must be set between 1-255)

0-255	Gradual adjustment Green from 0-100%

Channel 3 – Blue Dimmer intensity (CH7 must be set between 1-255)

0-255	Gradual adjustment Blue from 0-100%

Channel 4 – Colors or built-in programs

0-9	No function
10-19	Red
20-29	Yellow
30-39	Green
40-49	Cyan
50-59	Blue
60-69	Purple
70-79	White
80-89	Program 1
90-99	Program 2
100-109	Program 3
110-119	Program 4
120-129	Program 5
130-139	Program 6
140-149	Program 7
150-159	Program 8
160-169	Program 9
170-179	Program 10
180-189	Program 11
190-199	Program 12
200-209	Program 13
210-219	Program 14
220-229	Program 15
230-239	Program 16
240-255	Sound-controlled

Channel 5 – Speed built-in programs (CH1 must be set between 80-239)

0-255	Gradual speed adjustment, from slow to fast

Channel 5 – Sound-controlled (CH1 must be set between 240-255)

0-255	Sound sensitivity from less sensitivity to high sensitivity

Channel 6 –Strobe (CH1, CH2, CH3 or CH4 and CH7 must be set between 1-255)

0-255	Strobe flash frequency, from slow to fast

Channel 7 –Master Dimmer intensity

0-255	Gradual adjustment, from dark to brightest 0-100%

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-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:
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 Showtec Compact Power Lightset MKII 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. Wipe the front glass panel clean with glass cleaner and a soft cloth. Do not use alcohol or solvents. The front glass panel will require weekly cleaning, as smoke-fluid tends to build up residues, reducing the light-output very quickly. Do not immerse in liquid. 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 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:
01) Unplug the unit from electric power source.
02) Insert a flat-head screwdriver into a slot in the fuse cover. Gently pry up the fuse cover. 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

No Light

This troubleshooting guide is meant to help solve simple problems.
If a problem occurs, follow the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out the following steps.
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 fuse.
01) Power supply. Check that the unit is plugged into an appropriate power supply.
02) The LEDs. Return the Compact Lightset MKII to your Showtec dealer.
03) The fuse. Replace the fuse. See page 26 for replacing the fuse.
04) If all of the above appears to be in order, switch the unit on again.
05) If you are unable to determine the cause of the problem, do not open the Compact Lightset MKII, as this may damage the unit and the warranty will become void.
06) Return the device to your Showtec dealer.

No Response to DMX

Response: 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 to blame. Does the controller operate properly with other DMX products? If not, take the controller in for repair. If it does, 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.
	Primary fuse blown	• Replace fuse
Fixtures reset correctly, but all respond erratically or not at all to the controller	The controller is not connected.	• 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)	• 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	• 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	• Inspect connections and cables. Correct poor connections. Repair or replace damaged cables
	Data link not terminated with 120 Ohm termination plug	• Insert termination plug in output jack of the last fixture on the link
	Incorrect addressing of the fixtures	• Check address setting
	One of the fixtures is defective and disturbs data transmission on the link	• Bypass one fixture at a time until normal operation is restored: 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)	• Install a phase-reversing cable between the fixtures or swap pin 2 and 3 in the fixture that behaves erratically
No light or LEDS cuts out intermittently	Fixture is too hot	• Allow the fixture to cool down • Clean the fan • Turn up the air conditioning
	LEDs damaged	• Disconnect the fixture and return it to your dealer
	The power supply settings do not match local AC voltage and frequency	• Disconnect fixture. Check settings and correct if necessary

Product Specifications

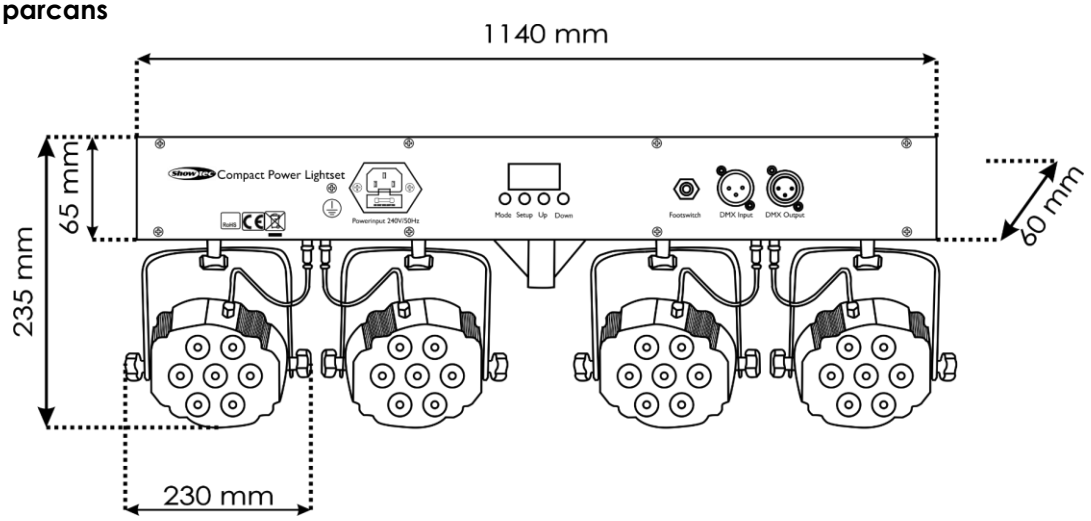
Model:	Showtec Compact Lightset MKII
Input Voltage:	100-240V AC, 50/60Hz
Power Consumption	90W
DMX linking:	30pcs
Fuse:	1A/250V
Dimensions T-bar + 4 parcans:	1140 x 235 x 60 mm (LXWXH)
Weight T-bar + 4 parcans:	8,7 kg
Operating and Programming:	
Signal pin OUT:	Pin 1 (earth), pin 2 (-), pin 3 (+)
DMX Mode:	2, 3, 4, 7, 8, 14 and 15 DMX channel operation
Signal input:	3-pin XLR male
Signal output:	3-pin XLR female
Electro-mechanical effects:	
Light source:	7x 3W RGB LEDs
Beam Angle:	40°
Dimmer:	0-100%
Strobe:	0-20Hz
Color Range:	RGB
Cooling:	Convection
Display:	LED display
Housing:	Metal, black coated
IP rating:	IP-20
DMX-control:	DMX512 via standard DMX-controller
Control:	Auto, Sound-controlled, Manual, Master/Slave, DMX
Connections:	IEC connectors (IN/OUT), 3-pin XLR (IN/OUT)
Built-in microphone	
Max. ambient temperature t_a:	40°C
Max. housing temperature t_B:	80°C
Minimum distance:	
Minimum distance from flammable surfaces:	0,5 m
Minimum distance to lighted object:	1,3 m

CE

Website: www.Showtec.info
Email: service@highlite.nl

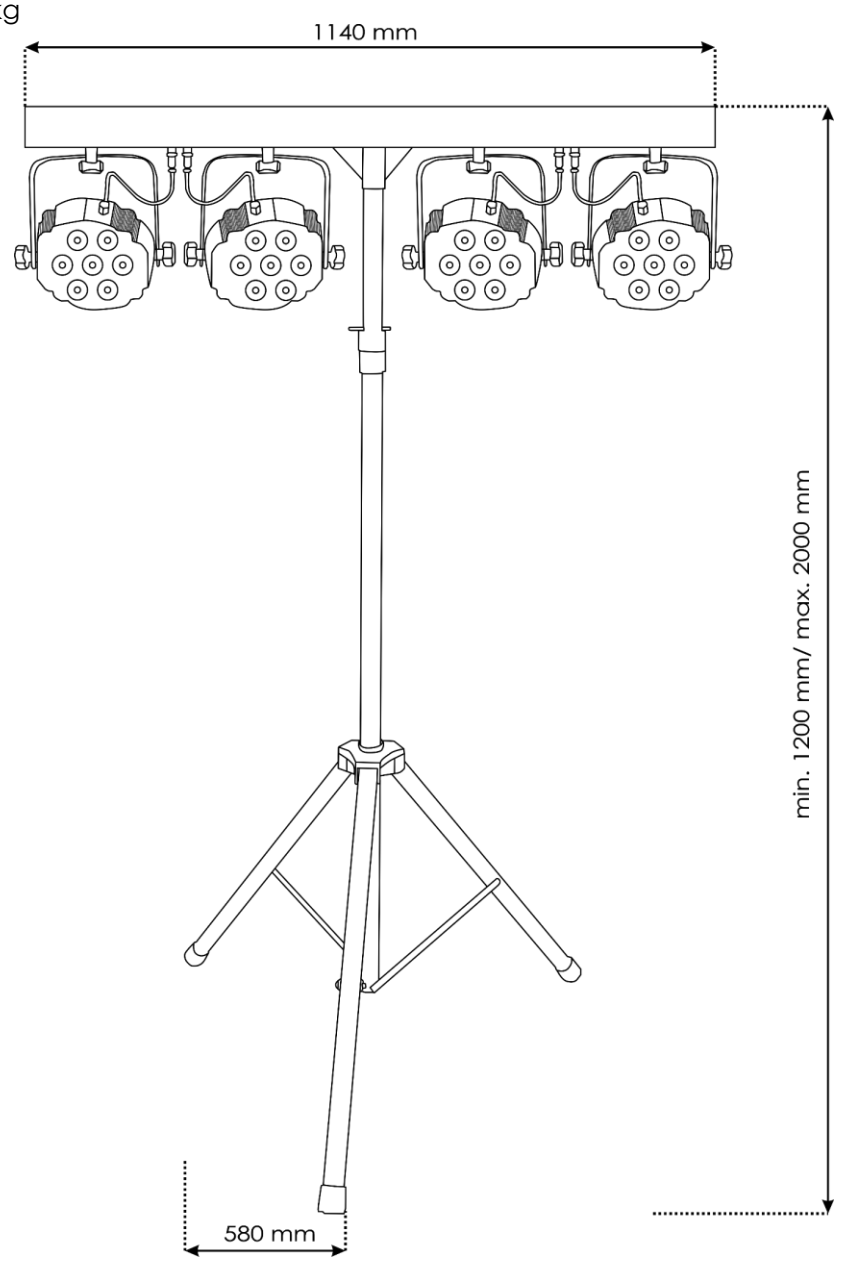
Dimensions

T-bar + 4 parcans



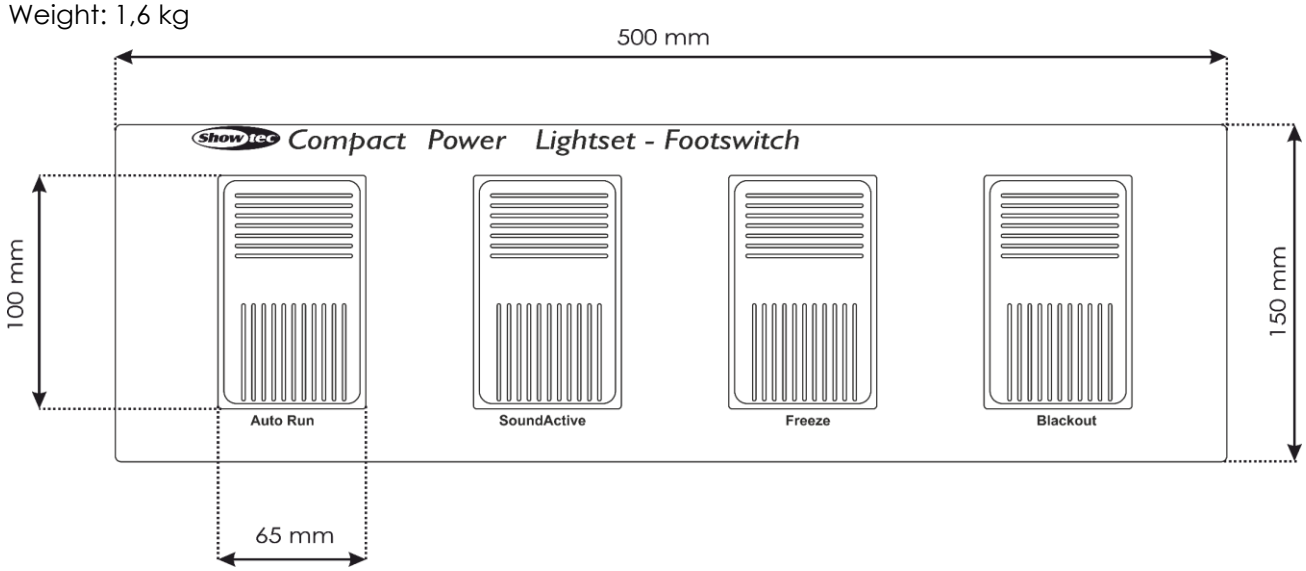
Stand

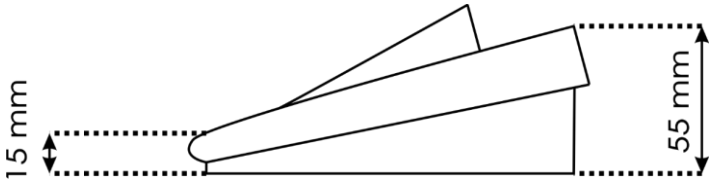
Weight stand: 2,9 kg



Footh controller

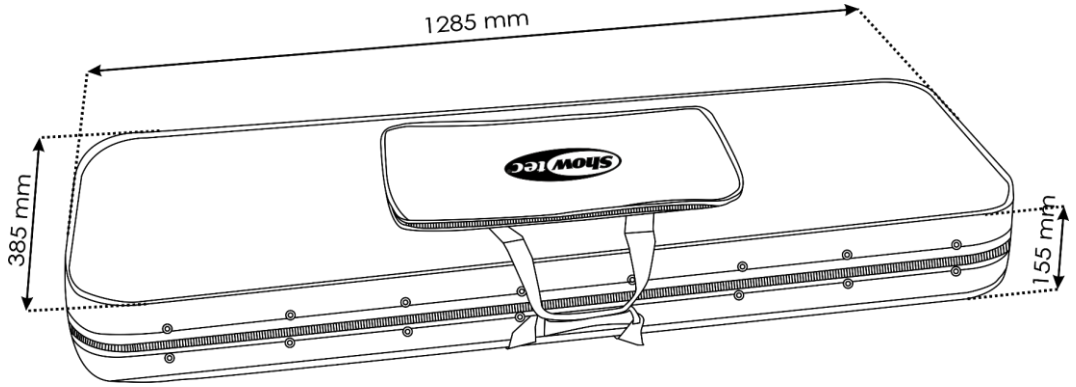
Weight: 1,6 kg





Bag

Weight: 2,8 kg



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