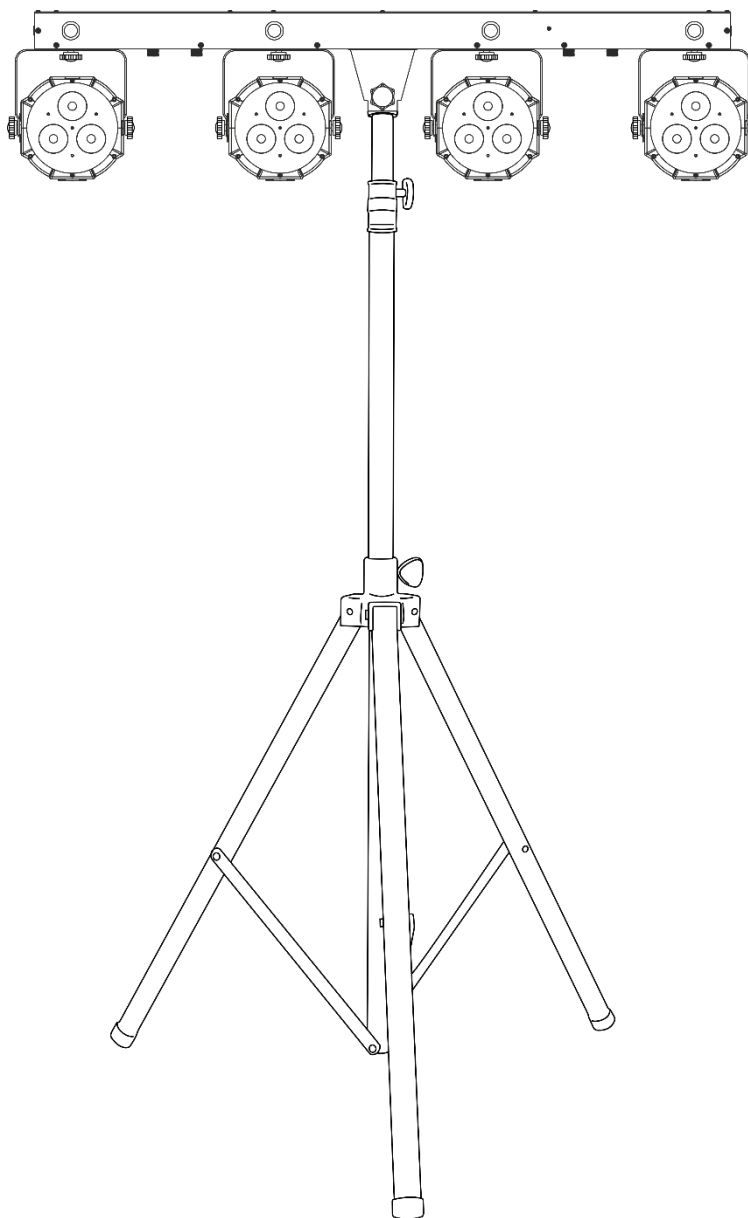




MANUAL



ENGLISH

Compact Power Lightset RGB-UV V1

Ordercode: 30280

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Warning



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

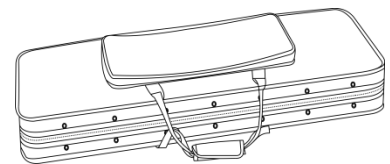
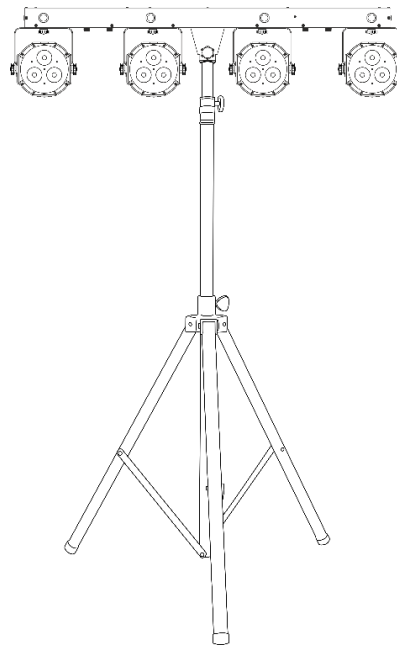


Unpacking Instructions

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 Compact Power Lightset RGB-UV
- IEC power cable (4,70 m)
- 2 adjustment screws
- 2 mounting brackets
- 2 carrying bags
- Tripod
- 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 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.

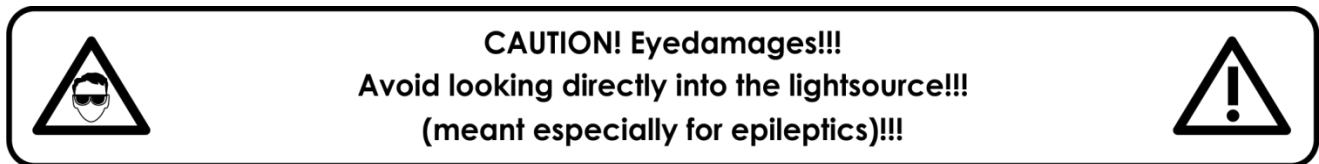
This device contains no user-serviceable parts. Refer servicing to qualified technicians only.

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 place any material over the lens.
- Never look directly into the light source.
- Never leave any cables lying around.
- Never loosen the screws of the rotating gobo otherwise you risk opening of the ball bearing.
- 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.
- If the lens is obviously damaged, it has to be replaced.
- 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. Moving head 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 Compact Power Lightset. 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.



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 $t_a = 40^\circ\text{C}$ 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.

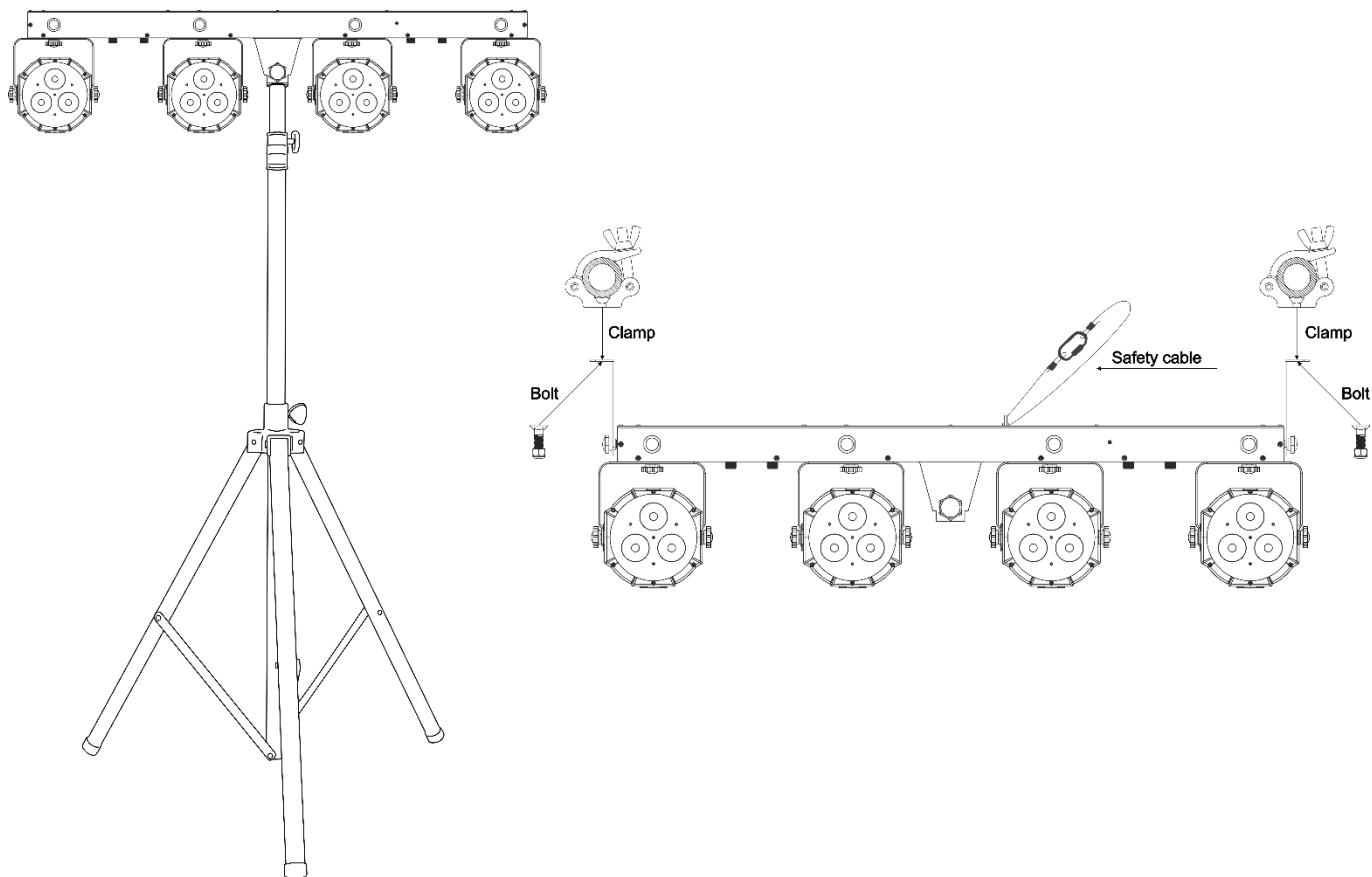
Do not attempt the installation yourself !

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

Procedure:

- If the 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 a safety cable.
- When rigging, derigging or servicing the projector, always make sure that the area below the installation is unavailable for any unauthorized persons.

Compact Power Lightset RGB-UV




The Compact Power Lightset RGB-UV can be fitted to a wall with mounting brackets or mounted to a tripod.

Improper installation can cause serious injuries and damage of 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!





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 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 Compact Power Lightset RGB-UV is a lightset which combines a traditional lightset with extra effects. It offers 4 LED strobes in order to create an extra effect to your show. Moreover the parcans are equipped with UV Led' as well in order to create creepy blacklight effects.

The Compact Power Lightset RGB-UV can be controlled by DMX or by the foot controller which is included. In order to make the set plug-and-play, a carrying bag and stand are included.

- Input Voltage: 100-240V, 60/50Hz
- Power consumption: 45W
- Built-in strobe and UV LEDs for extra effect
- Control modes: Auto, Manual mode, Sound-controlled, Master/Slave, DMX
- Sound-controlled via built-in microphone
- DMX-controlled via DMX controller
- DMX modes: 4, 8, 25 channels
- Clear 4-digit LED display for easy setup
- Strong metal housing
- Light source:
 - Strobe: 4x 1W White, 4x 1W UV
0 – 18Hz, Current
300mA
- LED Spot: 4-in-1 RGB-UV LEDs
 - Lux@2m: 1205
 - Colors: RGB-UV
 - Power: 6x8W 4-in-1
 - Current: 350mA
- Beam angle: 15°
- Power Connection: IEC 100-240V (IN & OUT)
- Data Connector: 3-pin XLR (IN/OUT)
- Cooling: Convection (no fans) which eliminates the emission of noise
- Working temperature: -10°C - 40°C
- Footswitch frequency: 433mHz
- Footswitch unobstructed Range: 30m
- Fuse 1,5L/250V
- Dimensions: 1032 x 457 x 145 mm (LxWxH) (excl. tripod)
- Weight: 4,9 kg (excl. tripod)
- Included: wireless foot controller, 2 adjustment screws, 2 mounting brackets, carrying bags, IEC power cable, tripod/stand included

Tripod

- Height: 1,25 – 2,5 m
- Footspace: 1,0 m
- Weight: 3,2 kg

Optional Accessory

V23GA 12V Battery for remote controllers, ordercode SPAC0000

Overview

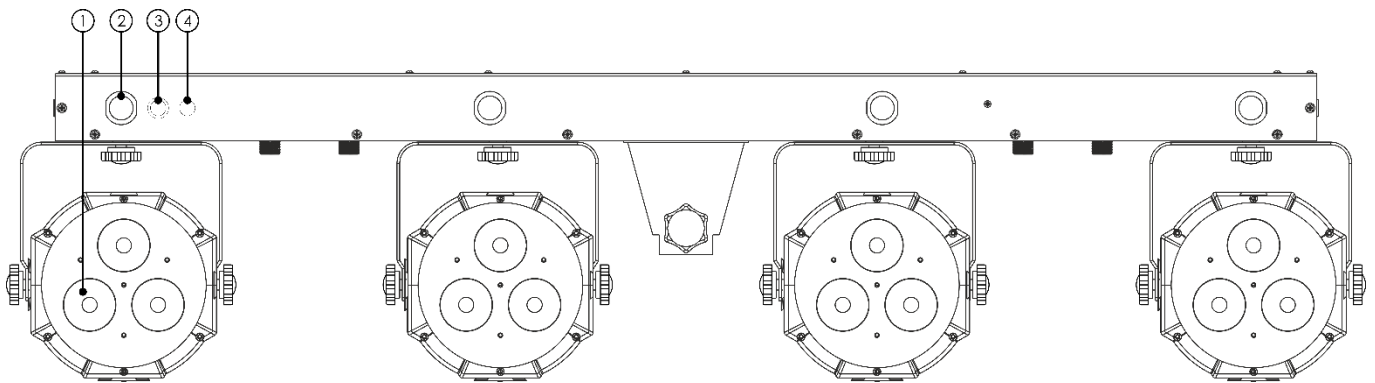


Fig. 01

- 01) 4-in-1 RGB-UV LEDs
- 02) 4x 1W White, 4x 1W UV
- 03) Built-in Microphone
- 04) IR sensor

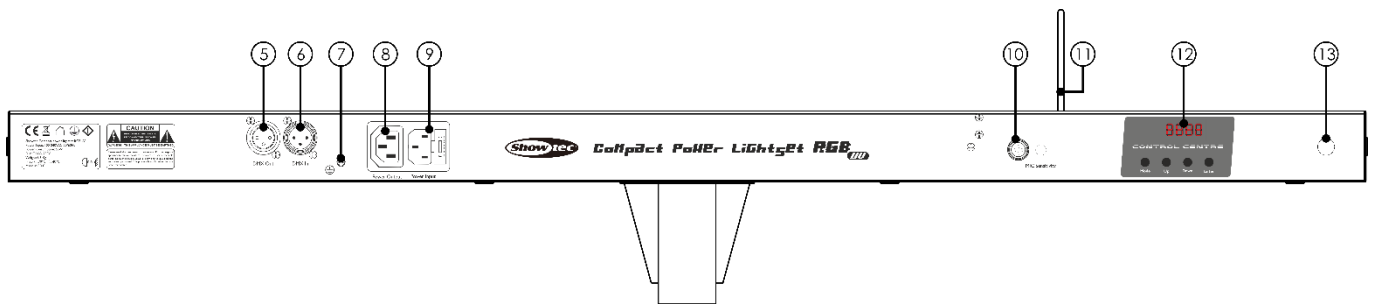


Fig. 02

- 05) 3-pin DMX signal connector OUT
- 06) 3-pin DMX signal connector IN
- 07) Ground/earth connection
- 08) IEC power connector 100-240V OUT
- 09) IEC power connector 100-240V IN + Fuse 1,5L/250V
- 10) Audio Sensitivity
- 11) WDMX Antenna for Wireless Footpedal
- 12) 4-digit LED display + control buttons
- 13) IR sensor

Installation

Remove all packing materials from the Compact Power Lightset RGB-UV. 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 5 modes:

- Auto Mode
- Manual Mode (Static Color Mode)
- Sound-controlled
- Master/Slave
- DMX-512

One Compact Power Lightset (Auto, Manual)

- 01) Fasten the effect light onto firm trussing. Leave at least 1 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 with a DMX-cable, it functions as a stand-alone device.
- 05) Please see pages 14-16 for more information about the Auto Mode and Manual Mode.

One Compact Power Lightset (Sound-controlled)

- 01) Fasten the effect light onto firm trussing. Leave at least 1 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 with a DMX-cable, it functions as a stand-alone device.
- 05) Please see page 14 for more information about the Sound-controlled Mode.

Multiple Compact Power Lightsets (Master/Slave Mode)

- 01) Fasten the effect light onto firm trussing. Leave at least 1 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-pin XLR cable to connect the Compact Power Lightset.

The pins:



- 01) Earth
- 02) Signal (-)
- 03) 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, third, and fourth units. You can use the same functions on the master device as described on pages 14-16 (Built-in, Auto or Sound-controlled). This means that 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 Set Up

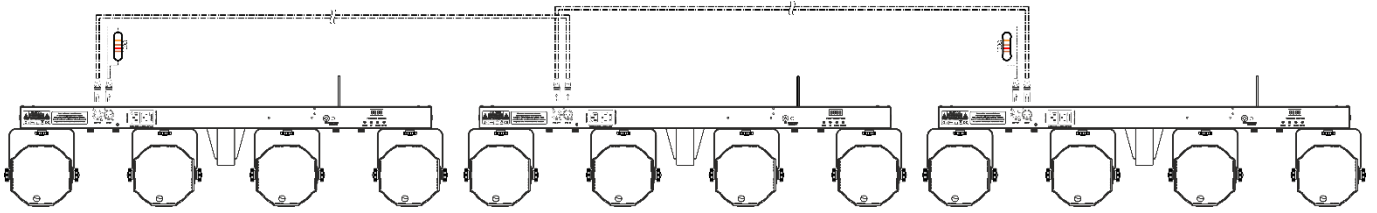
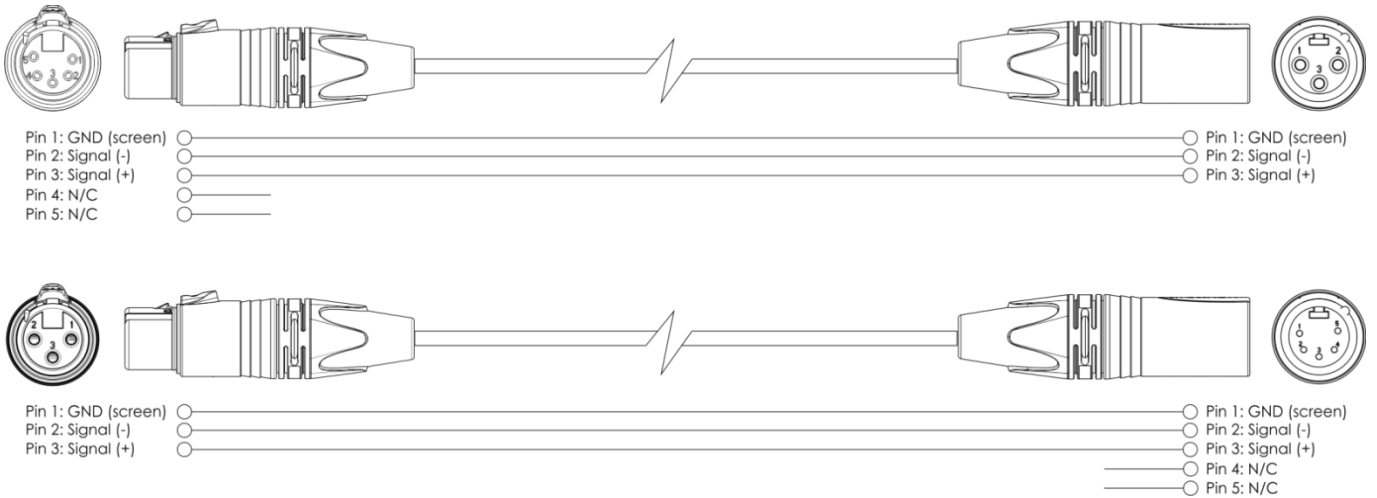


Fig. 02

Multiple Compact Power Lightsets (DMX Control)

- 01) Fasten the effect light onto firm trussing. Leave at least 1 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 Lightset 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 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

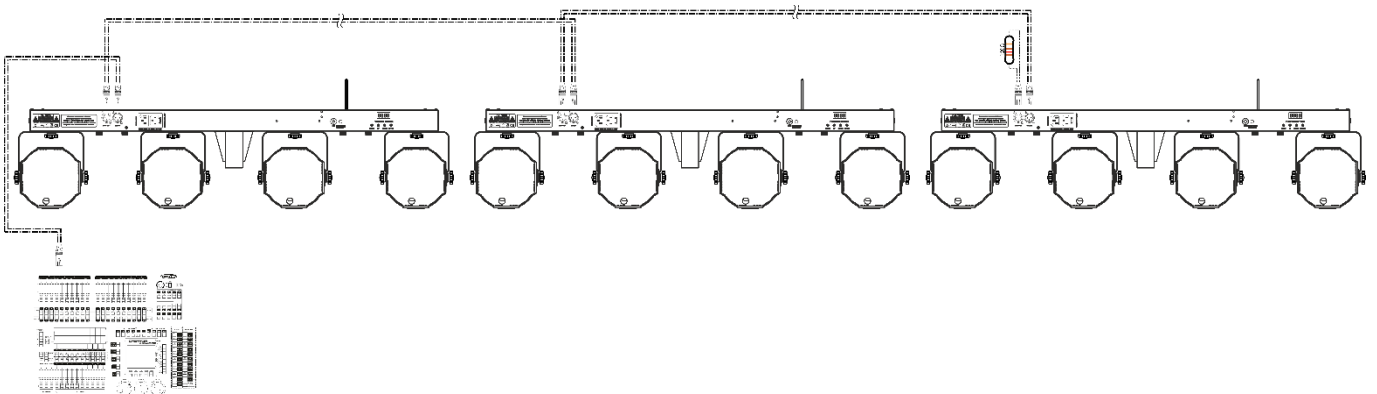



Fig. 03

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 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 fixtures on a DMX data link: 30 fixtures
Maximum recommended number of fixtures on a power link: 5 fixtures @ 100V
Maximum recommended number of fixtures on a power link: 9 fixtures @ 240V

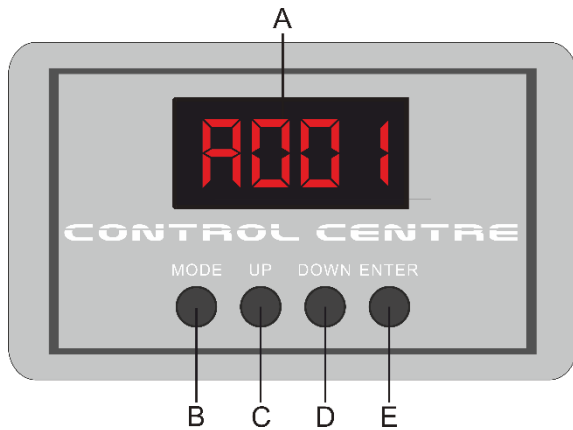
Data Cabling

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 cable for all-round 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.).

Control Panel



- A) LED display
- B) MODE button
- C) UP button
- D) DOWN button
- E) ENTER button

Fig. 04

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 front side of the base 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 **25** channels.

When using multiple Compact Power Lightsets, make sure that 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+25=26 (d026)**; the DMX address of the third Compact Power Lightset should be **26+25=51 (d051)**, etc.

Please, be sure that you do not have any overlapping channels in order to control each Compact Power Lightset RGB-UV correctly.

If two or more Compact Power Lightsets are addressed similarly, they will work similarly.

Controlling:

After having addressed all Compact Power Lightset fixtures, 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. If there is no data received at the DMX-input, the "**LED**" on the control panel will not flash.

The problem may be:

- The XLR cable from the controller is not connected with the input of the 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 an XLR termination plug (with 120 Ohm) in the last fixture in order to ensure proper transmission on the DMX data link.

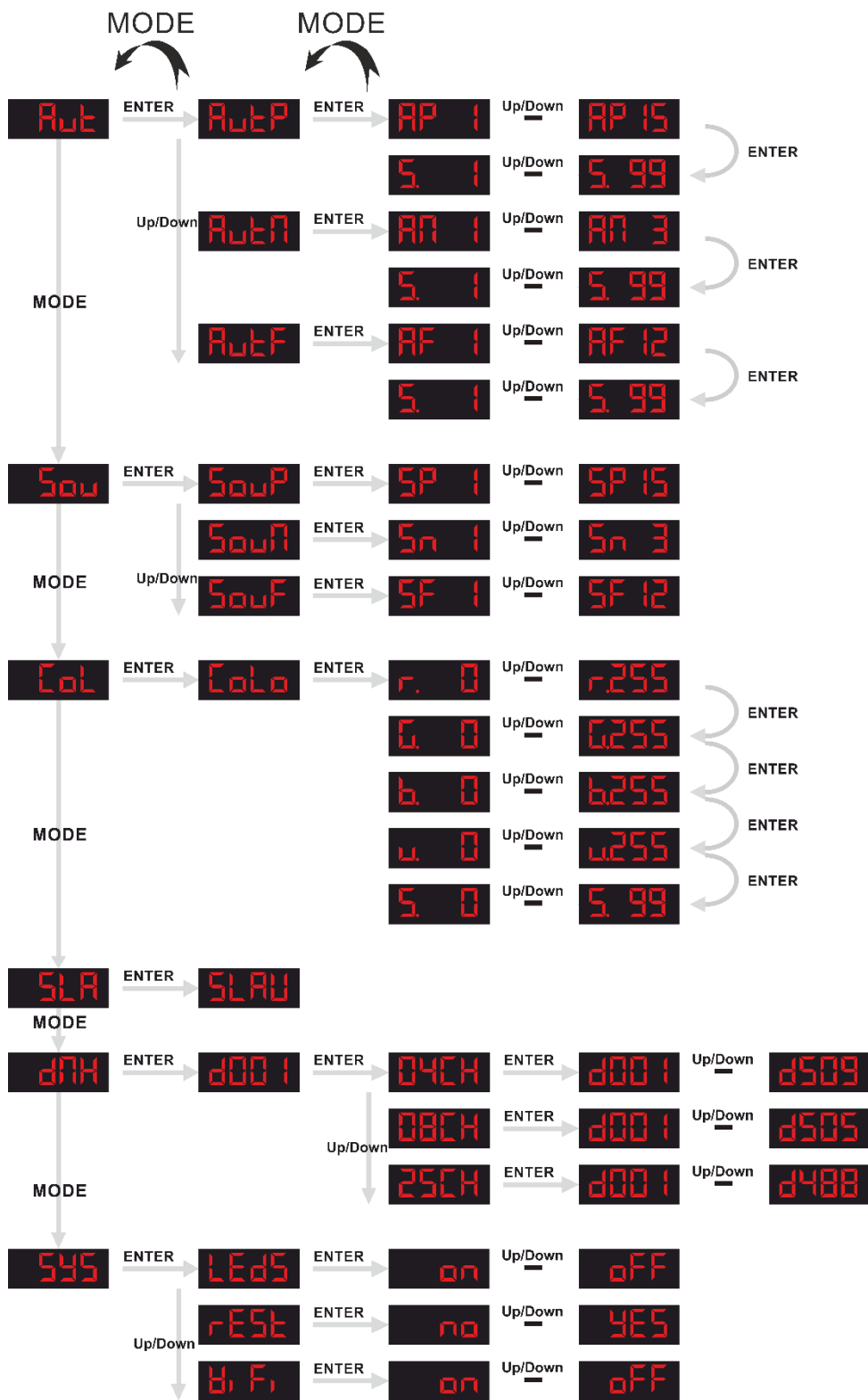
Display Off after 10 seconds

When no button is pressed for 10 seconds, the display will turn off.

To light up the display, you have to press the MODE, UP, DOWN or ENTER button.

Once you have pressed the button, the display will light up.

Menu Overview



Main Menu Options

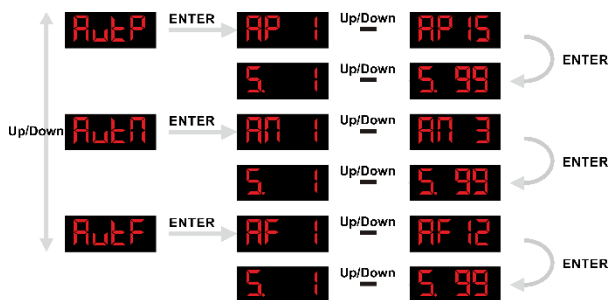
Aut	Auto Mode
Sou	Sound-controlled Mode
Col	Manual Mode (Static Color Mode)
SLA	Master/Slave Mode
DMX	DMX-512 Mode
SYS	Settings

V 1.00 The Compact Power Lightset will only show its version number at start-up !

1. Auto Mode

With this menu you can you can set the built-in programs.

- 01) Press the **MODE** button on the device, until the display shows **Aut**.
- 02) Press the **ENTER** button to open this menu.



- 03) You can use the Up / Down buttons to scroll through the 3 built-in programs.

AutP	PAR / Derby mode
AutN	Mix mode
AutF	Flash mode

1.1 PAR / Derby mode

- 01) Use the Up / Down buttons to choose a mode **AutP**.
- 02) You can use the **ENTER** button to change the settings.
- 03) Use the Up / Down buttons to change the PAR / Derby mode from **AP 1** **AP 15**.
- 04) You can use the **ENTER** button to change the settings.
- 05) Use the Up / Down buttons to change the strobe speed from **5 1** **5 99**.

1.2 Mix mode

- 01) Use the Up / Down buttons to choose a mode **AutN**.
- 02) You can use the **ENTER** button to change the settings.
- 03) Use the Up / Down buttons to change the Mix mode from **AN 1** **AN 3**.
- 04) You can use the **ENTER** button to change the settings.
- 05) Use the Up / Down buttons to change the strobe speed from **5 1** **5 99**.

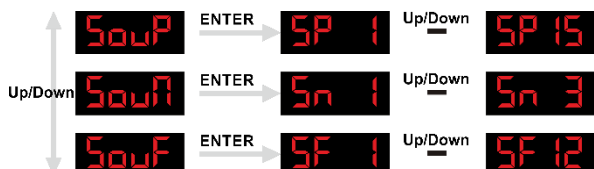
1.3 Flash mode

- 01) Use the Up / Down buttons to choose a mode **ALUF**.
- 02) You can use the **ENTER** button to change the settings.
- 03) Use the Up / Down buttons to change the Flash mode from **AF 1** **AF 12**.
- 04) You can use the **ENTER** button to change the settings.
- 05) Use the Up / Down buttons to change the strobe speed from **S 1** **S 99**.

2. Sound-controlled

With this menu you can you can set the device to sound-control.

- 01) Press the **MODE** button on the device, until the display shows **Sou**.
- 02) Press the **ENTER** button to open this menu.



- 03) You can use the Up / Down buttons to scroll through the 4 sound-controlled programs.

SouP	PAR / Derby mode
SouM	Mix mode
SouF	Flash mode

2.1 PAR / Derby mode

- 01) Use the Up / Down buttons to choose **SouP**.
- 02) You can use the **ENTER** button to change the settings.
- 03) Use the Up / Down buttons to change the PAR / Derby mode from **SP 1** **SP 15**.

2.2 Mix mode

- 01) Use the Up / Down buttons to choose **SouM**.
- 02) You can use the **ENTER** button to change the settings.
- 03) Use the Up / Down buttons to change the Mix mode from **Sn 1** **Sn 3**.

2.3 Flash mode

- 01) Use the Up / Down buttons to choose **SouF**.
- 02) You can use the **ENTER** button to change the settings.
- 03) Use the Up / Down buttons to change the Flash mode from **SF 1** **SF 12**.

3. Manual Mode

With this menu you can you can manually set a desired color.

- 01) Press the **MODE** button on the device, until the display shows **Col**.
- 02) Press the **ENTER** button to open the **CoLo** menu.
- 03) You can use the **ENTER** button to scroll through the 4 color options and set the speed.

r 0		r255	Set the value of the red LEDs (000-255).
G 0		G255	Set the value of the green LEDs (000-255).
b 0		b255	Set the value of the blue LEDs (000-255).
u 0		u255	Set the value of the UV LEDs (000-255).
S 1		S 99	Set the strobe speed (01-99).

- 04) Use the Up / Down buttons to change the values.
You can combine Red, Green, Blue and UV to create an infinite range of colors (000-255).

4. Master / Slave Mode

- 01) Use the Up / Down buttons to choose a mode **SLA**.
- 02) You can use the **ENTER** button to set the Compact Power Lightset to **SLAV**.

5. DMX Mode

With this menu you can you can select the DMX mode, and set the DMX address.

- 01) Press the **MODE** button on the device, until the display shows **DMX**.
- 02) Press the **ENTER** button to open the **d001** menu.
- 03) Press the **ENTER** button to open this menu.

04CH
08CH
25CH

The Compact Power Lightset has 3 different DMX modes.

- 04) You can use the Up / Down buttons to scroll through the 3 programs.
- 05) You can use the **ENTER** button to select a DMX mode, and set the DMX address.

d001 Up/Down **d509** Set the address from d001-d509 (04CH).
d001 Up/Down **d505** Set the address from d001-d505 (08CH).
d001 Up/Down **d488** Set the address from d001-d488 (25CH).

- 06) Use the Up / Down buttons to change the values.

6. Settings

With this menu you can you can enter the settings.

- 01) Press the **MODE** button on the device, until the display shows **SYS**.
- 02) Press the **ENTER** button to open this menu.

LEDs Display On / Off
reset Factory Reset
W.F. Wireless Pedal On / Off

- 03) You can use the Up / Down buttons to scroll through the 3 settings.
- 04) You can use the **ENTER** button to select the display on / off function **LEDs**.
- 05) Use the Up / Down buttons to set the display on / off function **on** Up/Down **off**.
If switched on, the display wil turn off after 30sec.
- 06) You can use the **ENTER** button to select the factory reset **no** Up/Down **yes**.
- 07) You can use the **ENTER** button to confirm.
- 08) You can use the **ENTER** button to select the wireless pedal on / off function **W.F.**.
- 09) Use the Up / Down buttons to set the wireless pedal on / off function **on** Up/Down **off**.

7. Footswitch Function (footswitch included!)

- 01) Insert a V23GA 12V battery (ordercode SPAC0000) into the bottom of the footpedal.
- 02) Put the antenna of the footpedal in the upright position.
- 03) Step on the **Auto Run** pedal to enter the auto running mode.
- 04) Step on the **Sound Active** pedal to enter the sound active mode.
- 05) Step on the **Color** pedal to enter the color mode.
- 06) Step on the **Blackout** pedal to turn off all lights and then step on it again to enter the previous mode.

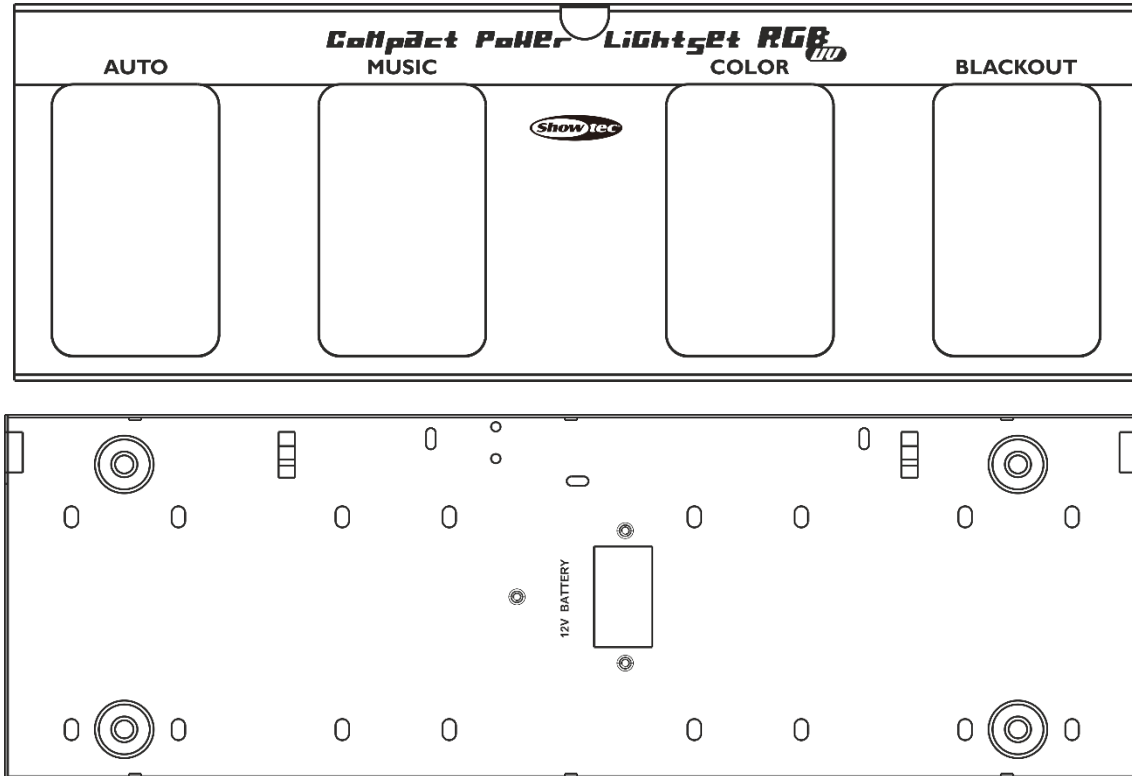


Fig. 05

DMX Channels**4 Channels****Channel 1 –MIX Show**

0-5	Blackout
6-86	AM01/SM01
87-169	AM02/SM02
170-255	AM03/SM03

Note : when CH1 is set to black out, CH2, CH3 will work.

Channel 2 – PAR Show

0-5	Blackout
6-21	AP01/SP01
22-38	AP02/SP02
39-54	AP03/SP03
55-71	AP04/SP04
72-87	AP05/SP05
88-104	AP06/SP06
105-120	AP07/SP07
121-137	AP08/SP08
138-153	AP09/SP09
154-170	AP10/SP10
171-186	AP11/SP11
187-203	AP12/SP12
204-220	AP13/SP13
221-236	AP14/SP14
237-255	AP15/SP15

Channel 3 – FLASH Show

0-5	Blackout
6-25	AF01/SF01
26-46	AF02/SF02
47-66	AF03/SF03
67-87	AF04/SF04
88-107	AF05/SF05
108-128	AF06/SF06
129-148	AF07/SF07
149-169	AF08/SF08
170-189	AF09/SF09
190-210	AF10/SF10
211-230	AF11/SF11
231-255	AF12/SF12

Channel 4 – Running Speed

0-250	Running speed SLOW to fast
251-255	Sound program

8 channels

Channel 1 – Red (⚠ Dimmer must be open ⚠)
0-255 Gradual adjustment Red, from 0-100%

Channel 2 – Green (⚠ Dimmer must be open ⚠)
0-255 Gradual adjustment Green, from 0-100%

Channel 3 – Blue (⚠ Dimmer must be open ⚠)
0-255 Gradual adjustment Blue, from 0-100%

Channel 4 – UV (⚠ Dimmer must be open ⚠)
0-255 Gradual adjustment UV, from 0-100%

Channel 5 – Master Dimmer
0-255 Gradual adjustment, from 0-100%

Channel 6 – Strobe
0-250 Flash frequency, from slow to fast
251-255 Sound-controlled Flash frequency

Channel 7 – FLASH Show

0-5	Blackout
6-25	AF01/SF01
26-46	AF02/SF02
47-66	AF03/SF03
67-87	AF04/SF04
88-107	AF05/SF05
108-128	AF06/SF06
129-148	AF07/SF07
149-169	AF08/SF08
170-189	AF09/SF09
190-210	AF10/SF10
211-230	AF11/SF11
231-255	AF12/SF12

Channel 8 – Running Speed

0-250	Running speed SLOW to fast
251-255	Sound program

25 channels

Channel 1 – Red Par 1 (⚠ Dimmer must be open ⚠)
0-255 Gradual adjustment Red, from 0-100%

Channel 2 – Green Par 1 (⚠ Dimmer must be open ⚠)
0-255 Gradual adjustment Green, from 0-100%

Channel 3 – Blue Par 1 (⚠ Dimmer must be open ⚠)
0-255 Gradual adjustment Blue, from 0-100%

Channel 4 – UV Par 1 (⚠ Dimmer must be open ⚠)
0-255 Gradual adjustment UV, from 0-100%

Channel 5 – Strobe Par 1
0-250 Flash frequency, from slow to fast
251-255 Sound-controlled Flash frequency

Channel 6 – Red Par 2 (⚠ Dimmer must be open ⚠)
0-255 Gradual adjustment Red, from 0-100%

Channel 7 – Green Par 2 (⚠ Dimmer must be open ⚠)
0-255 Gradual adjustment Green, from 0-100%

Channel 8 – Blue Par 2 (⚠ Dimmer must be open ⚠)
0-255 Gradual adjustment Blue, from 0-100%

Channel 9 – UV Par 2 (⚠ Dimmer must be open ⚠)
0-255 Gradual adjustment UV, from 0-100%

Channel 10 – Strobe Par 2
0-250 Flash frequency, from slow to fast
251-255 Sound-controlled Flash frequency

Channel 11 – Red Par 3 (⚠ Dimmer must be open ⚠)
0-255 Gradual adjustment Red, from 0-100%

Channel 12 – Green Par 3 (⚠ Dimmer must be open ⚠)
0-255 Gradual adjustment Green, from 0-100%

Channel 13 – Blue Par 3 (⚠ Dimmer must be open ⚠)
0-255 Gradual adjustment Blue, from 0-100%

Channel 14 – UV Par 3 (⚠ Dimmer must be open ⚠)
0-255 Gradual adjustment UV, from 0-100%

Channel 15 – Strobe Par 3
0-250 Flash frequency, from slow to fast
251-255 Sound-controlled Flash frequency

Channel 16 – Red Par 4 (⚠ Dimmer must be open ⚠)
0-255 Gradual adjustment Red, from 0-100%

Channel 17 – Green Par 4 (⚠ Dimmer must be open ⚠)
0-255 Gradual adjustment Green, from 0-100%

Channel 18 – Blue Par 4 (⚠ Dimmer must be open ⚠)
0-255 Gradual adjustment Blue, from 0-100%

Channel 19 – UV Par 4 (⚠ Dimmer must be open ⚠)
0-255 Gradual adjustment UV, from 0-100%

Channel 20 – Strobe Par 4
0-250 Flash frequency, from slow to fast
251-255 Sound-controlled Flash frequency

Channel 21 – Master Dimmer
0-255 Gradual adjustment, from 0-100%

Channel 22 –MIX Show
0-5 Blackout
6-86 AM01/SM01
87-169 AM02/SM02
170-255 AM03/SM03

Channel 23 – PAR Show
0-5 Blackout
6-21 AP01/SP01
22-38 AP02/SP02
39-54 AP03/SP03
55-71 AP04/SP04
72-87 AP05/SP05
88-104 AP06/SP06
105-120 AP07/SP07
121-137 AP08/SP08
138-153 AP09/SP09
154-170 AP10/SP10
171-186 AP11/SP11
187-203 AP12/SP12
204-220 AP13/SP13
221-236 AP14/SP14
237-255 AP15/SP15

Note : when CH22 is set to black out, CH23, CH24 will work.

Channel 24 – FLASH Show
0-5 Blackout
6-25 AF01/SF01
26-46 AF02/SF02
47-66 AF03/SF03
67-87 AF04/SF04
88-107 AF05/SF05
108-128 AF06/SF06
129-148 AF07/SF07
149-169 AF08/SF08

Compact Power Lightset RGB-UV

170-189	AF09/SF09
190-210	AF10/SF10
211-230	AF11/SF11
231-255	AF12/SF12

Channel 25 – Running Speed

0-250	Running speed SLOW to fast
251-255	Sound program

Note : when CH22 is set to black out, CH23, CH24 will work.

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 Compact Power Lightset RGB-UV 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.

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

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

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-headed 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. 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, carry out the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out following steps.

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

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

- 01) Power supply. Check that the unit is plugged into an appropriate power supply.
- 02) The LEDs. Return the Compact Power Lightset RGB-UV to your Showtec dealer.
- 03) The fuse. Replace the fuse. See page 23 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 Compact Power Lightset RGB-UV, 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 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	<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 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 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)	<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 lamp cuts out intermittently	Fixture is too hot	<ul style="list-style-type: none"> Allow the fixture to cool down Clean the fan Make sure air vents in control panel and the front lens are not blocked Turn up the air conditioning
	LEDs damaged	<ul style="list-style-type: none"> Disconnect the fixture and return it 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

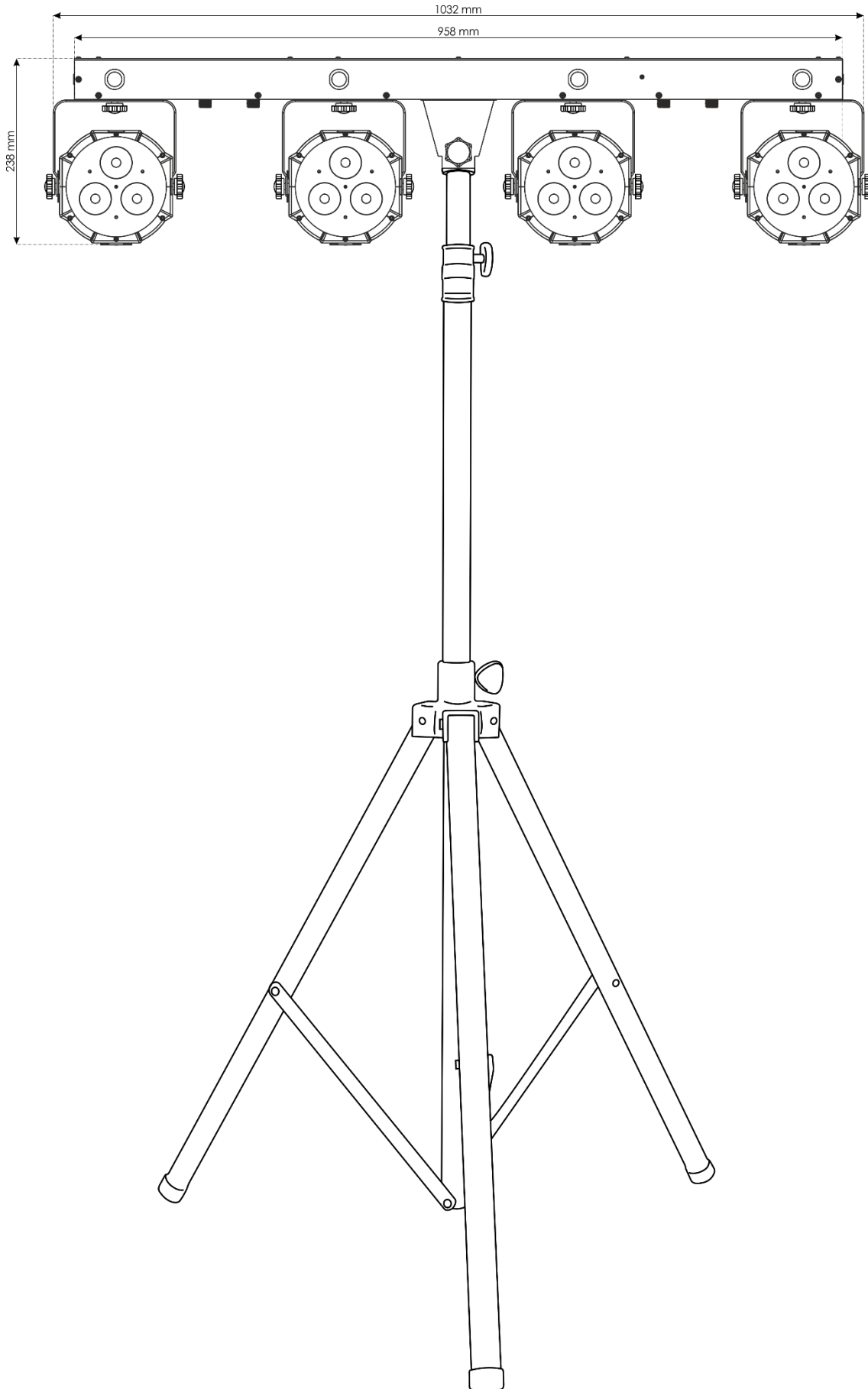
Model:	Compact Power Lightset RGB-UV
Input Voltage:	AC 100-240V, 60/50Hz
Continuous Power:	45W
Fuse:	1,5L/250V
Dimensions:	1032 x 457 x 145 mm (LxWxH) (excl. tripod)
Weight:	4,9 kg (excl. tripod)
Operation and Programming:	
Setup and Addressing:	4-digit LED display for easy setup
Power Connection:	IEC in- & output
DMX modes:	4, 8, 25 Channels
Signal input:	3-pin DMX signal connector IN
Signal output:	3-pin DMX signal connector OUT
Signal pin OUT:	pin 1 earth, pin 2 (-), pin 3 (+)
Electro-mechanical effects:	
Control modes:	Auto, Manual mode, Sound-controlled, Master/Slave, DMX
Sound-control:	via built-in microphone
Housing:	Strong metal housing
Cooling:	Convection (no fans) which eliminates the noise emission
Working temperature:	-10°C - 40°C
Included:	wireless foot controller, 2 adjustment screws, 2 mounting brackets, carrying bags, IEC power cable, tripod/stand
LED:	
	4-in-1 RGB-UV LEDs
	Lux@2m: 1205
	Colors: RGB-UV
	Power: 6x8W 4-in-1
Beam angle:	15°
Strobe:	
	4x 1W White, 4x 1W UV
	0 – 18Hz, Current
	300mA
Wireless Footswitch:	
Footswitch frequency:	433mHz
Footswitch unobstructed Range:	30m
Tripod stand:	
Height:	1,25 – 2,5 m
Footspace:	1 m
Weight:	3,2 kg
Max. ambient temperature t_a :	40°C
Max. housing temperature t_a :	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.

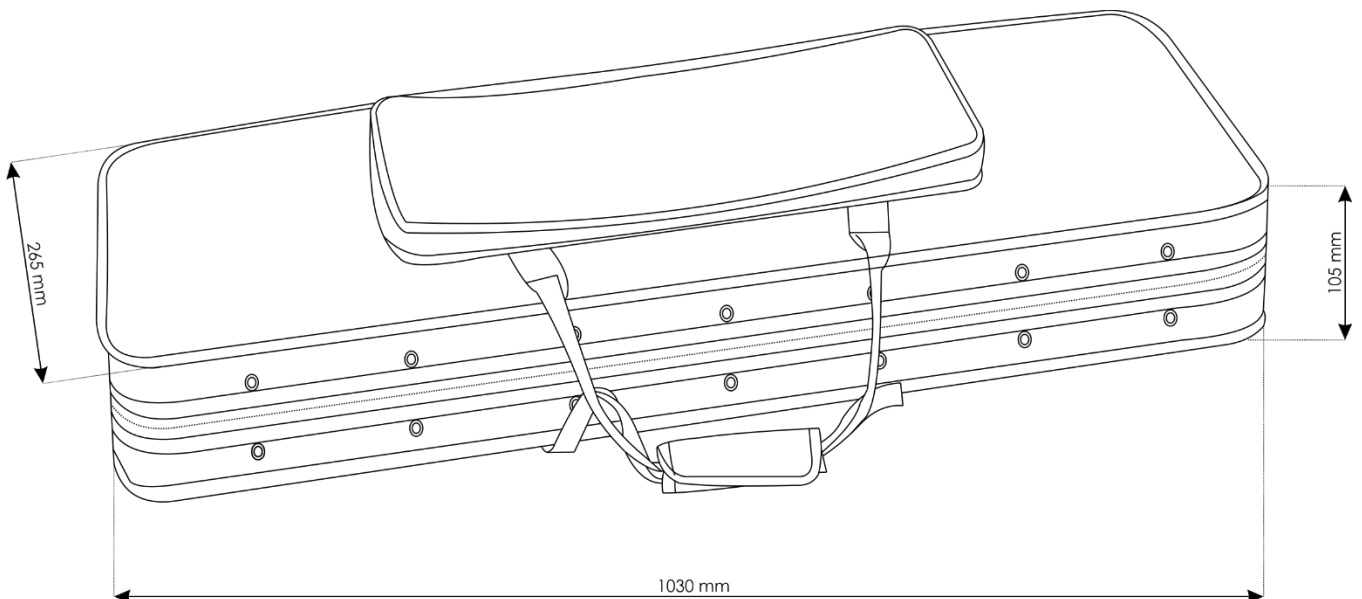
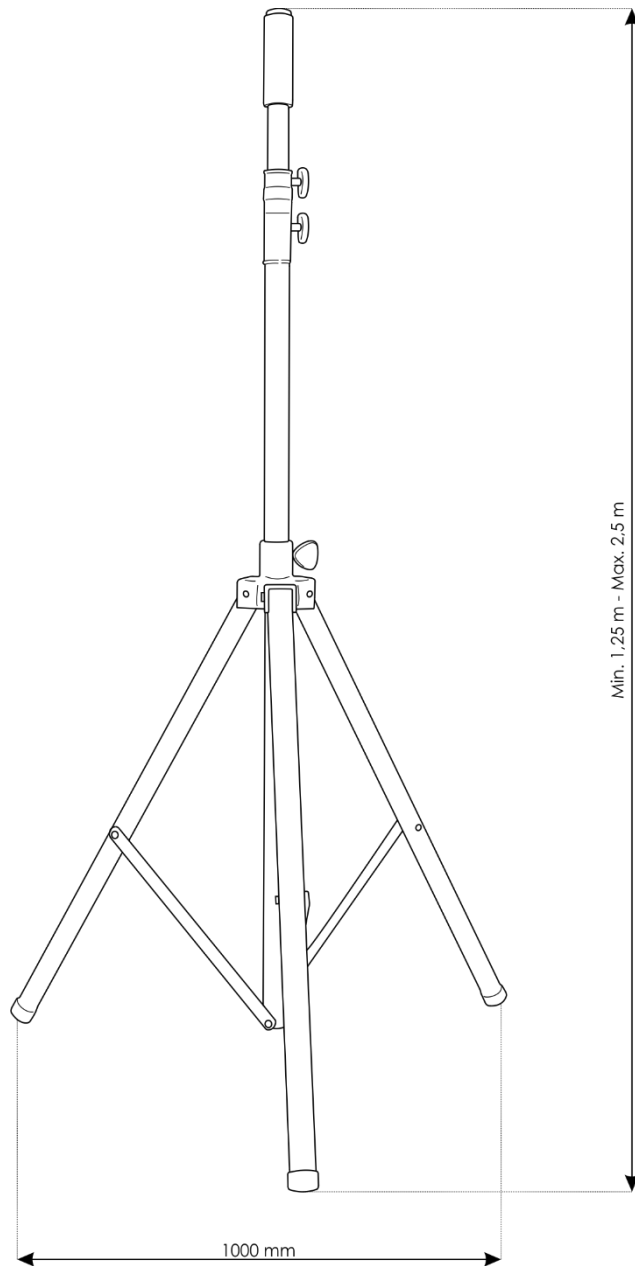


Website: www.Showtec.info
 Email: service@highlite.nl

Dimensions



Compact Power Lightset RGB-UV





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