Show tec®

Performer Profile 600 Q4 V1

Ordercode: 33061

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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 Performer Profile 600 Q4
- 1 safety cable
- User manual
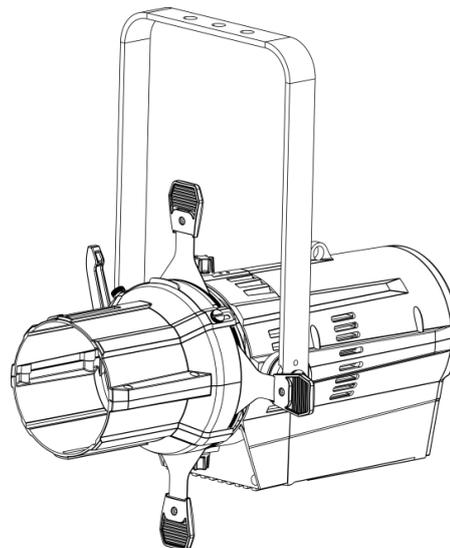
LED Expected Lifespan

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. 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 Performer. The manufacturer will not accept liability for damages caused by the misuse or incorrect installation of this device.
- This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- WARRANTY: Till one year after date of purchase.

> **CAUTION! Eyedamages!!!**
> **Avoid looking directly into the lightsource!!!**
> **(meant especially for epileptics)!!!**

Operating Determinations

- This device is not designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for a long time without defects.
- The minimum distance between light output and the illuminated surface must be bigger than 1 meter.
- The maximum ambient temperature $t_a = 40°C$ must never be exceeded.
- The relative humidity must not exceed 50 % with an ambient temperature of 40° C.
- If this device is operated in any other way than the one described in this manual, the product may suffer damages and the warranty becomes void.
- Any other operation may lead to dangers like short-circuit, burns, electric shock, crash, etc.

You endanger your own safety and the safety of others!

Rigging

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

Do not attempt the installation yourself !
Always let the installation be carried out by an authorized dealer !

Procedure:

- If the Performer is lowered from the ceiling or high joists, professional trussing systems have to be used.
- Use a clamp to mount the Performer, with the mounting bracket, to the trussing system.
- The Performer 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 Performer, always make sure, that the area below the installation site is secured and that there are not any unauthorized people around.

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

Clamp

Safety cable
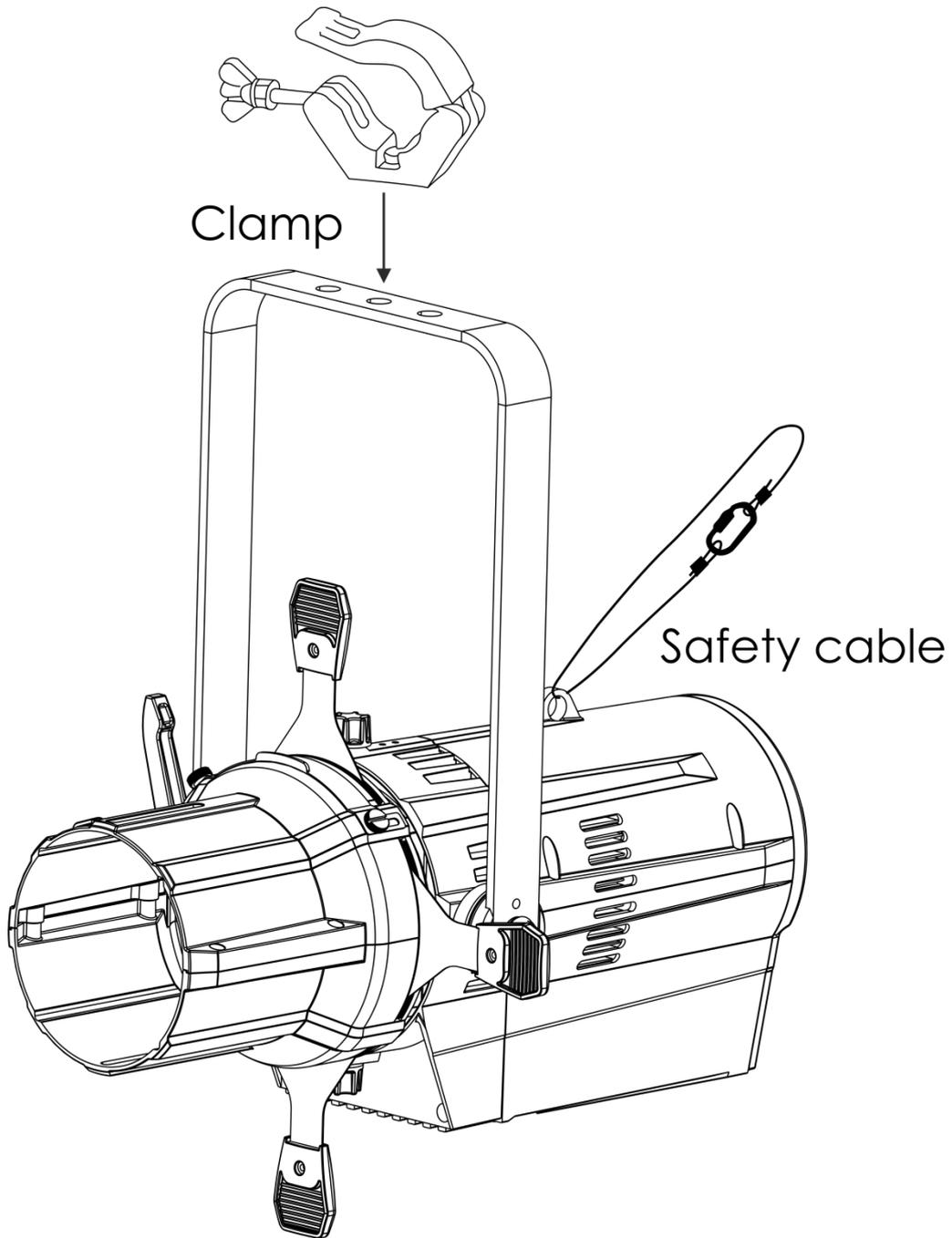
Connection with the mains

Connect the device to the mains with the power-plug.
Always check if the right color cable is connected to the right place.

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

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

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

Return Procedure

Returned merchandise must be sent prepaid and in the original packing, call tags will not be issued. Package must be clearly labeled with a Return Authorization Number (RMA number). Products returned without an RMA number will be refused. Highlite will not accept the returned goods or any responsibility. Call Highlite 0031-455667723 or mail 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 short-comings and/or visible defects, or perform this check after our announcement that the goods are at their disposal. Damage incurred in shipping is the responsibility of the shipper; therefore the damage must be reported to the carrier upon receipt of merchandise.

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

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

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

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

Description of the device

Features
The Showtec Performer Profile 600 Q4 is a theater spotlight fixture with high output and great effects.
- Light Source: 1 x 150W COB 4-in-1
- Input Voltage: 100 - 240VAC, 50/60Hz
- Power Consumption: 180W
- Output: 3700 Lumen
- Peak Intensity: 43000 cd
- Drive current: 1A
- Refresh Rate: 1200Hz
- Dimmer: 0-100%
- Beam angle: 15°-50°, depending on applied lens
- Dim Curve: Dimm4 technology, 4 presets
- Strobe: 0-20Hz
- Connections: 3- and 5-pin XLR signal connectors IN/OUT, Neutrik Powercon power connectors IN/OUT
- Power Linking: 5 units @120V; 10 units @230V
- DMX channels: 3, 3, 4, 4, 5, 6, 10 or 15 channels
- Housing: Die-cast aluminum
- Cooling: Silent fan
- Accessory slot for motorized pattern devices or optional iris
- IP Rating: IP20
- Fuse: T3,15AL/250V
- Dimensions: 490 x 305 x 460 mm (LxWxH)
- Weight: 7,5 kg

Optional accessories
33070 Zoom Lens Performer Profile, 15° - 30°
33071 Zoom Lens Performer Profile, 25° - 50°
33072 19° lens Performer Profile
33073 36° lens Performer Profile
33074 50° lens Performer Profile
33075 26° lens Performer Profile
33076 Iris for Performer Serie
33077 Gobo Holder for Performer serie (Soft Edge)
33078 Gobo Holder for Performer serie (Metal)
33079 Gobo Holder for Performer serie (Glass)
90527 Powercable Neutrik Powercon to Schuko (1,5m)

Overview
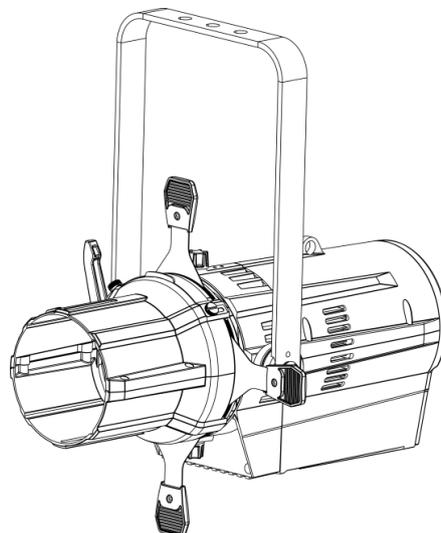
Fig. 01
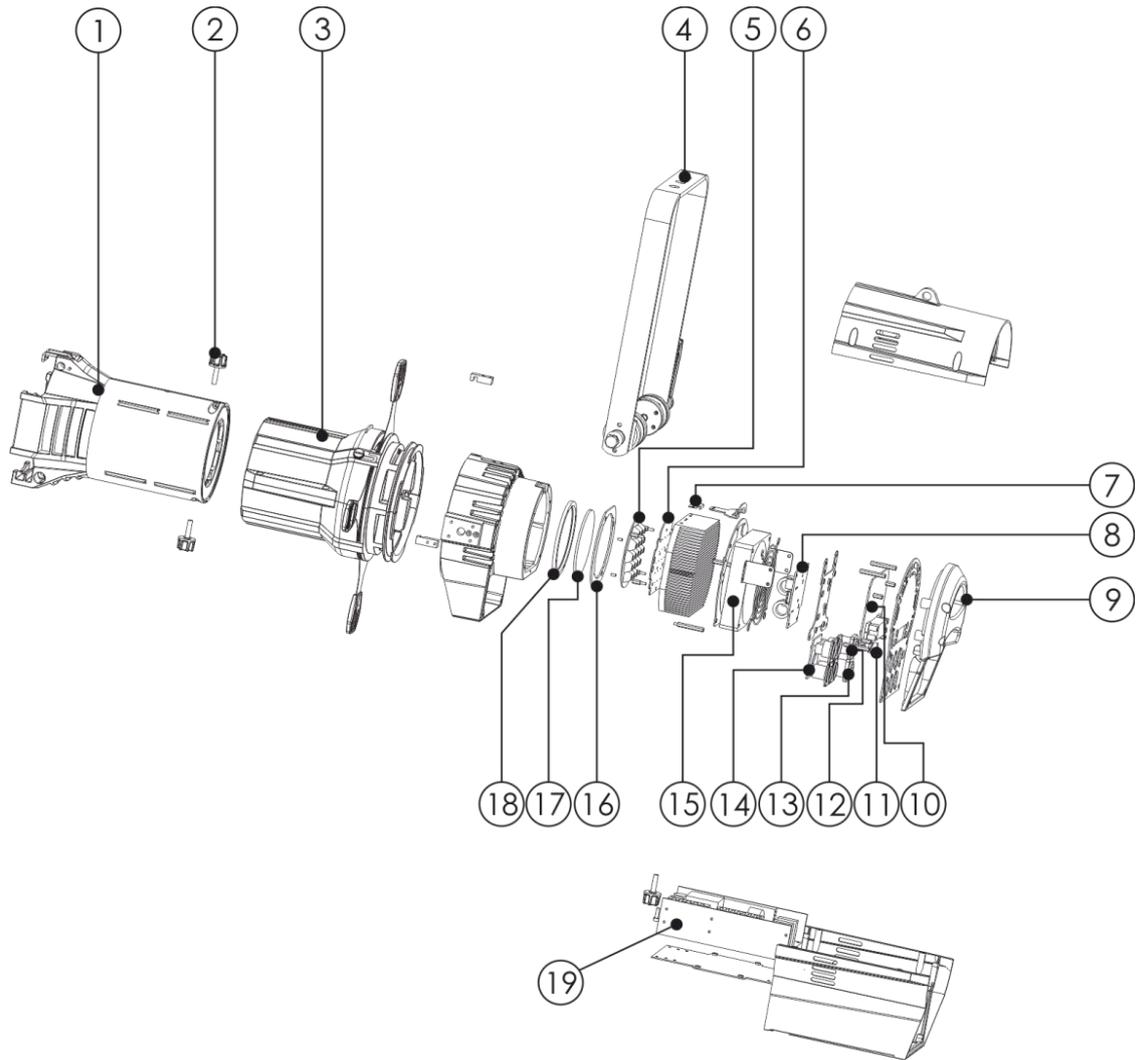
Fig. 02

01) Lens tube
02) Beam focus control
03) Barrel
04) Mounting bracket
05) LED lens
06) LED board
07) Thermal switch holder + thermal switch
08) Driver board
09) Insulated handle
10) PCB
11) Fuse T3,15AL/250V
12) PS socket
13) PS socket
14) PCB adapter
15) Cooling fan
16) Lens cover
17) Convex lens
18) Lens cover
19) Power supply

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Backside
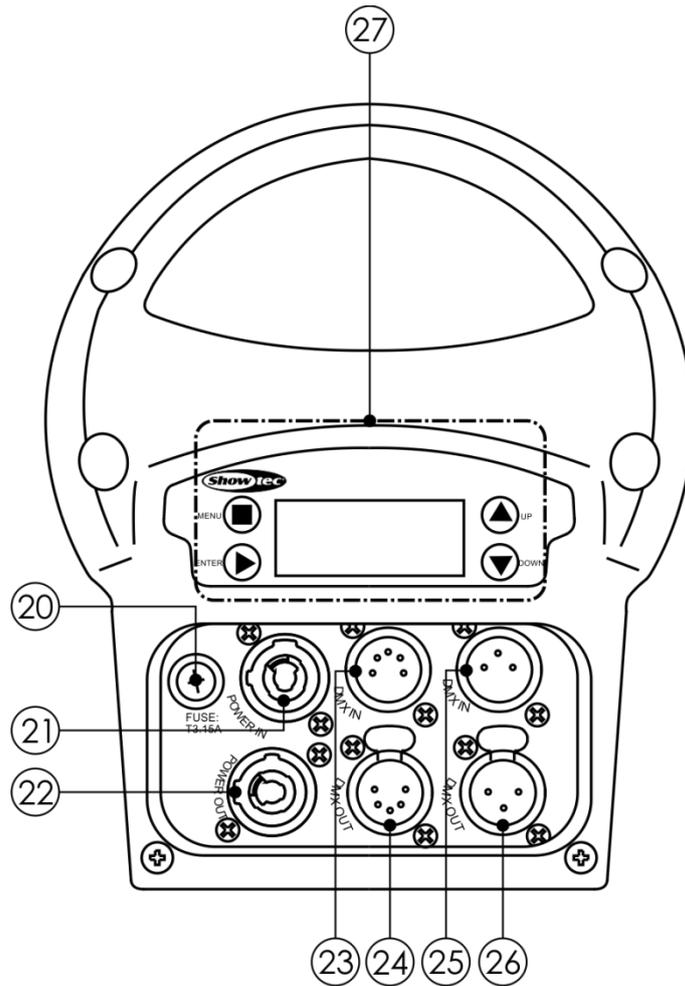
Fig. 03

20) Fuse T3,15AL/250V
21) Powercon power connector 100-240V IN
22) Powercon power connector 100-240V OUT
23) 5-pin DMX signal connector IN
24) 5-pin DMX signal connector OUT
25) 3-pin DMX signal connector IN
26) 3-pin DMX signal connector OUT
27) LED display + control buttons

Installation

Remove all packing materials from the Performer Profile 600 Q4. 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.

Lens Locations

The different lenses used in the Performer are not interchangeable. When installing a new lens, refer to the illustration below for proper placement.

19° lens   26° lens   36° lens   50° lens
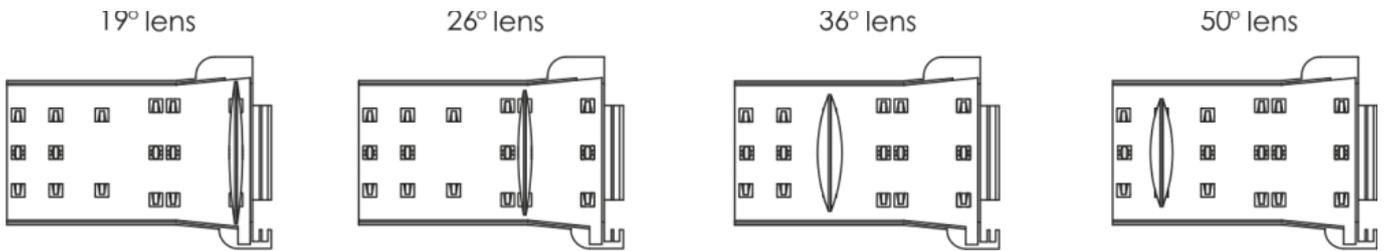
Fig. 04

Focusing the beam

01) Loosen the beam focus controls located under the barrel (Fig. 05).
02) Slide the lens tube forwards or backwards to achieve the desired beam edge.
03) Once the fixture is focused, tighten the beam focus controls.

Beam focus control

Beam focus control

Fig. 05

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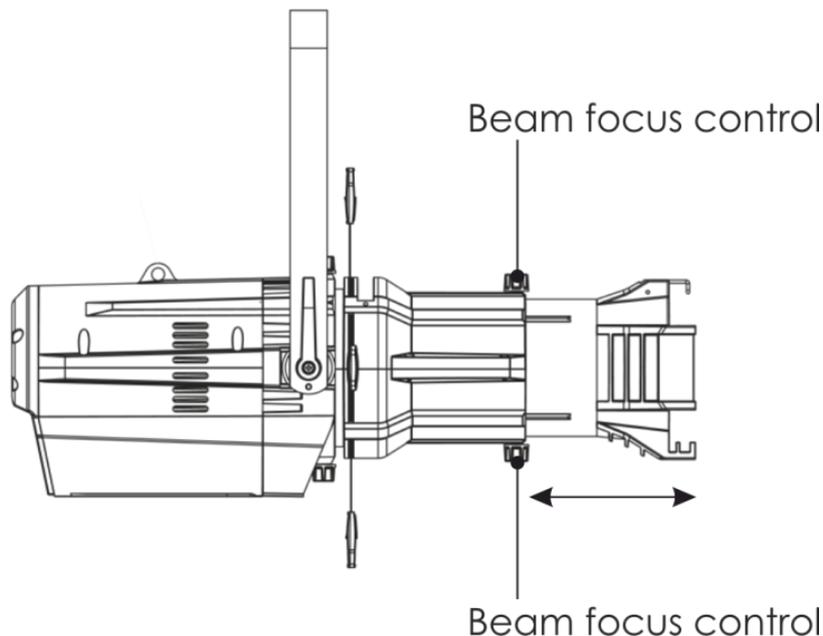
Color frame retaining clip
The color frame holder is equipped with a spring-loaded retaining clip. This prevents color frames and accessories from falling out (Fig. 06).

⚠️ **Make sure that all color frame accessories are locked in position with the retaining clip before hanging the Performer Profile 600 Q4.** ⚠️

01) Release the retaining clip by pushing it sideways while gently pulling backwards.
02) Insert the color frame(s).
03) Lock the retaining clip by pushing sideways while gently pushing forward.

Retaining clip in locked position
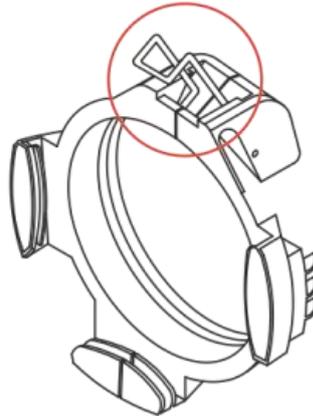
Fig. 06

Color Notes
The performance of saturated colors is not guaranteed with low temperature ranges. For best results, always use a high quality and temperature color medium. This product color extender may help increase your gel life. Contact your dealer for ordering information.

	Soft Focus, Tube Retracted	Sharp Focus	Soft Focus Tube Extended
19°	W	B	B
26°	W	B	B
36°	B	B	W
50°	W	B	B

W: Worse gel life
B: Better gel life

Shaping the beam
You may shape the beam with the shutters, a pattern, an optional drop-in iris, or by rotating the barrel.

Shutters

The shutters are located inside the barrel. Move them back and forth to modify the shape of the beam.
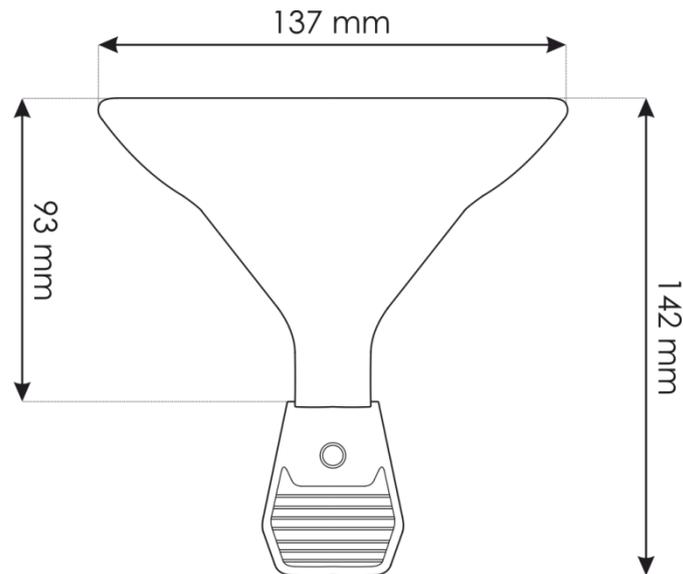
Fig. 07

Drop-in Iris-Slot

The Drop-in Iris slot is located on the top of the barrel. It accommodates either a drop-in iris or a motorized pattern device. When the slot is not in use, a small sheet metal cover secured with 2 screws prevents light leakage (Fig. 08).

01) Use a screwdriver to loosen the screws on the drop-in iris slot cover. Do not remove the screws.
02) Slide the cover completely forward to expose the slot.
03) Insert the iris or motorized pattern device. For an iris, install the flat side towards the shutters and make sure that the iris handle extends from the slot.
04) Slide the slot cover back towards the shutters, until it meets the iris handle. Leave enough space to move the iris handle.
05) Secure the drop-in iris slot cover by tightening the screws.
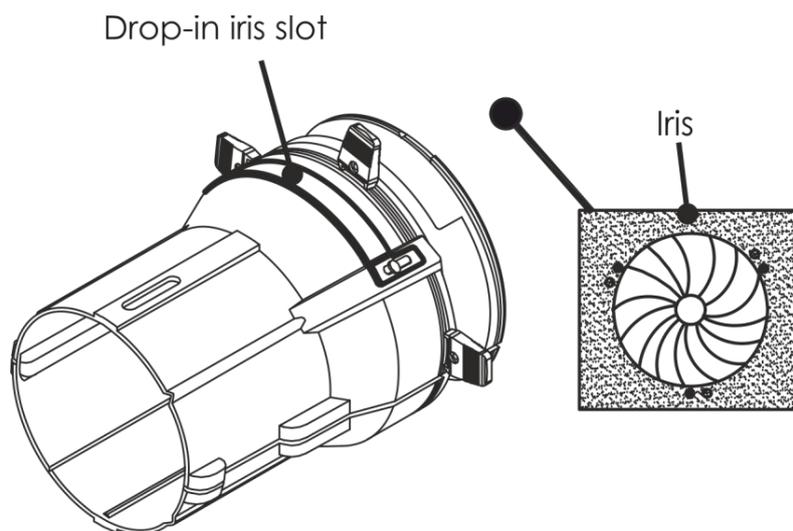
Fig. 08

Rotating the barrel assembly

01) Loosen the barrel rotation control. It can be found directly behind the shutters on the underside of the reflector housing (Fig 09). **Do not remove the barrel rotation control**.
02) Rotate the barrel to the desired position.
03) Once the barrel is positioned, tighten the barrel's rotation control to lock it into position.
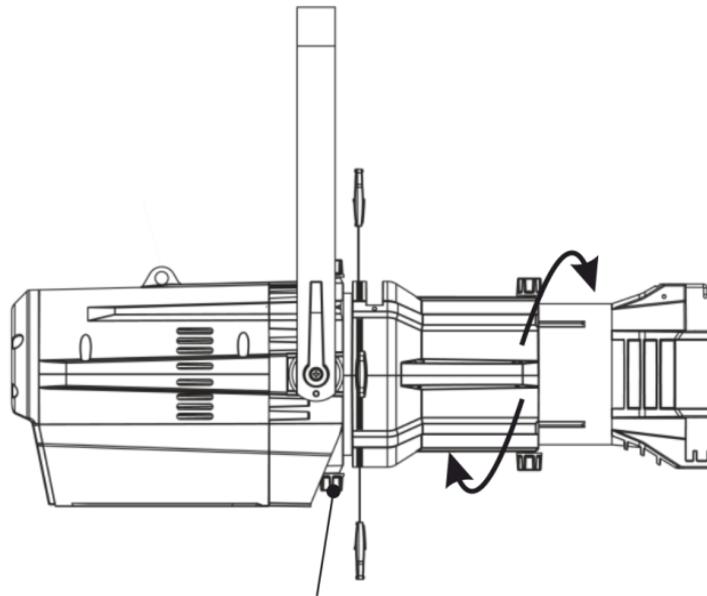
Barrel rotation control

Fig. 09

Installation with clamp

You can choose an appropriate clamp from your dealer to fix the fixture to a trussing system and allows you to adjust the position of the fixture once it is mounted. (Fig. 10).

01) Tightly fasten the clamp to the mounting bracket with the provided pipe bolt and lock washer.
02) Place the clamp on the truss, then tighten the bolt to secure it.
03) Loosen the clamp pan screw and rotate the mounting bracket to the desired position.
04) Tighten the pan screw to lock the fixture into position.

Clamp

Pan screw — Pipe bolt
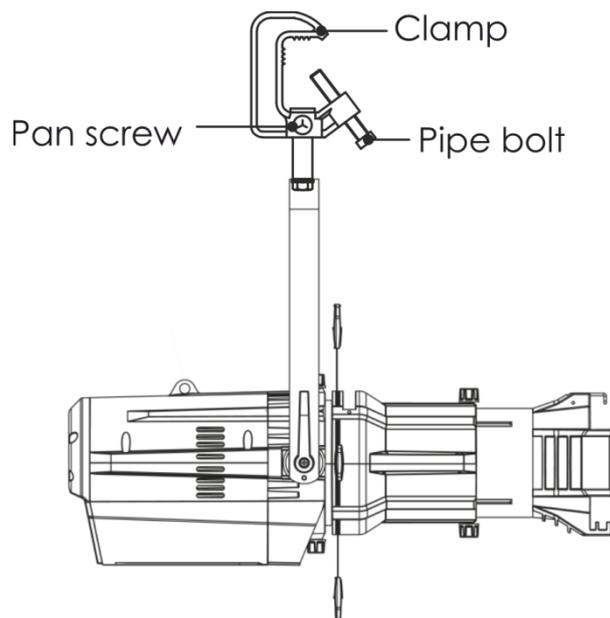
Fig. 10

Setting the angle

01) Loosen the adjustment screws (do not remove them).
02) Tilt the fixture to the desired position (Fig. 11).
03) Tighten the adjustment screws to secure the fixture in position.
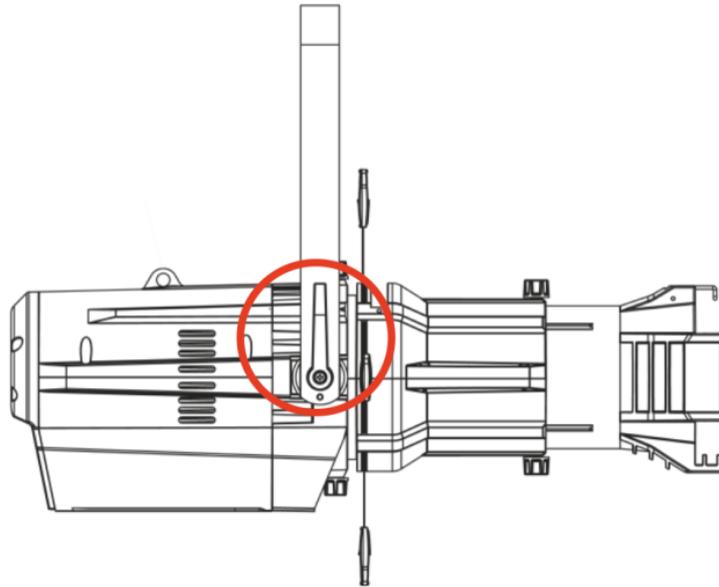
Fig. 11

Control Modes

There are 4 modes:
- Static mode
- Built-in programs
- Master/Slave
- DMX-512 (3CH, 3CH, 4CH, 4CH, 5CH, 6CH, 10CH, 15CH)

One Performer (Static Mode)
01) Fasten the effect light to a firm trussing. Leave at least 0,5 meter on all sides for air circulation.
02) Always use a safety cable (ordercode 70140 / 70141).
03) Plug the end of the electric mains power cord into a proper electric power supply socket.
04) When the Performer is not connected with a DMX cable, it functions as a stand-alone device. Please see page 22 for more information about the Static Mode.

One Performer (Built-in Programs)
01) Fasten the effect light to a firm trussing. Leave at least 0,5 meter on all sides for air circulation.
02) Always use a safety cable (ordercode 70140 / 70141).
03) Plug the end of the electric mains power cord into a proper electric power supply socket.
04) When the Performer is not connected with a DMX cable, it functions as a stand-alone device. Please see page 23 for more information about the Built-in Programs.

Multiple Performers (Master/Slave control)
01) Fasten the effect light onto firm trussing. Leave at least 0,5 meter on all sides for air circulation.
02) Always use a safety cable (ordercode 70140 / 70141).
03) Use a 3-pin XLR cable to connect the Performer.

The pins:

01) Earth
02) Signal -
03) Signal +

04) Link the units as shown in fig. 12. Connect the first unit's DMX "out" socket with the second unit's "in" socket, using a DMX-signal cable. Repeat this process to link the second, third, and fourth units. You can use the same functions on the master device as described on pages 22 and 23 (Static Mode, Built-in Programs). 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 Performers (Master/Slave control)
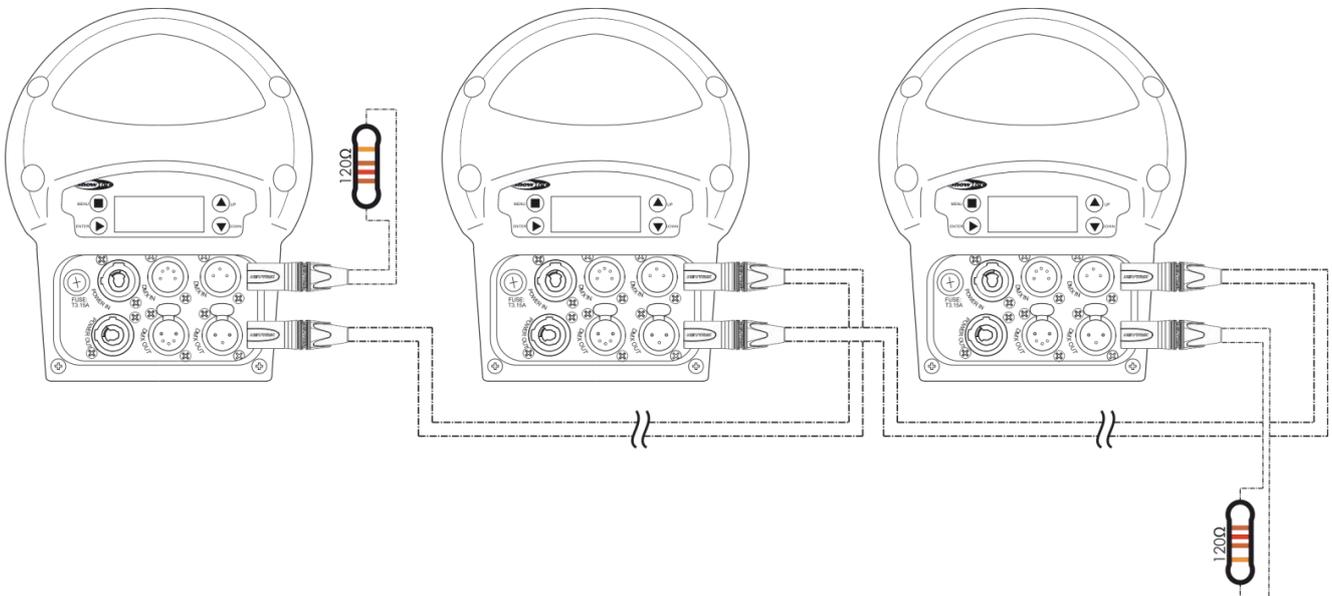
Fig. 12

Multiple Performers (DMX Control)

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

Pin 1: GND (screen)
Pin 2: Signal (-)
Pin 3: Signal (+)
Pin 4: N/C
Pin 5: N/C

Pin 1: GND (screen)
Pin 2: Signal (-)
Pin 3: Signal (+)

Pin 1: GND (screen)
Pin 2: Signal (-)
Pin 3: Signal (+)

Pin 1: GND (screen)
Pin 2: Signal (-)
Pin 3: Signal (+)
Pin 4: N/C
Pin 5: N/C
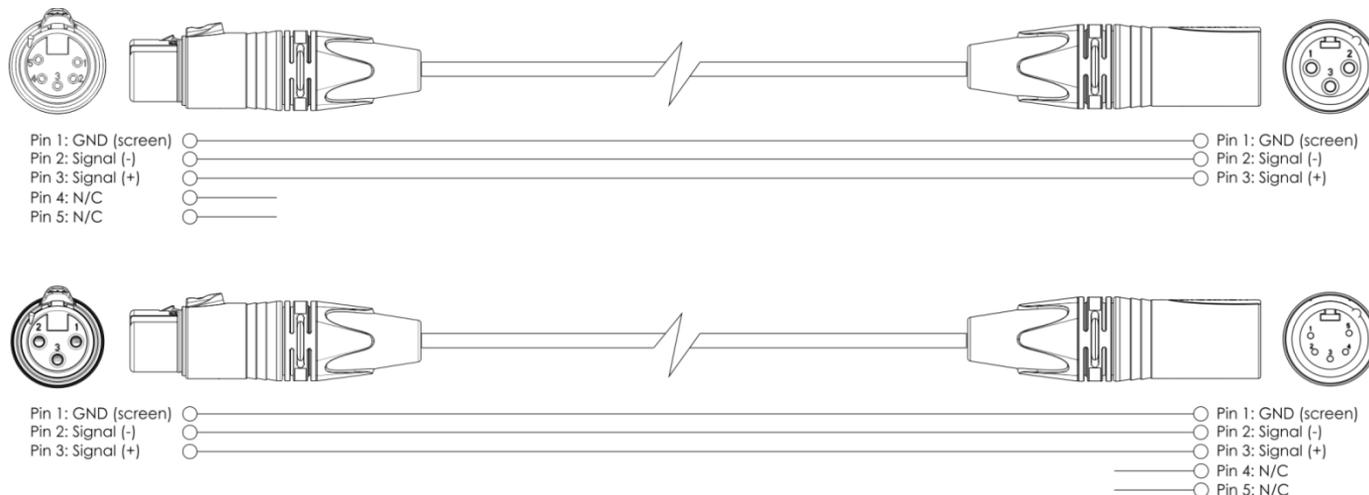
04) Link the units as shown in fig. 13. Connect the first unit's DMX "out" socket with the second unit's "in" socket, using a DMX-signal cable. Repeat this process to link the second, third, and fourth units.
05) Supply electric power: Plug electric mains power cords into each unit's Powercon socket, 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 Performers DMX Set Up
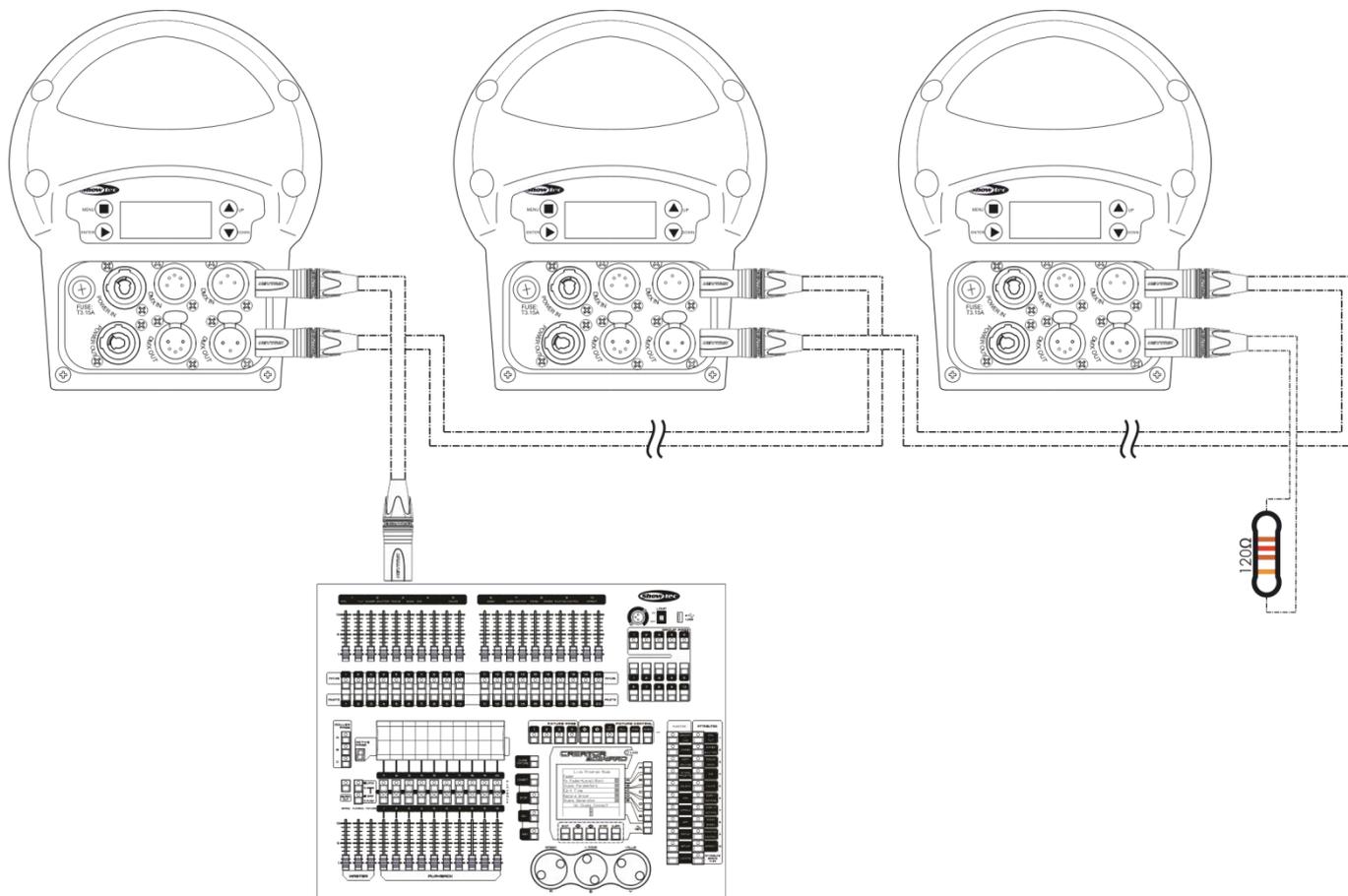
Fig. 13

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 of 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
Maximum recommended number of fixtures on a Power link: 5 units @120V
Maximum recommended number of fixtures on a Power link: 10 units @230V

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: 3-pin/5-pin. **Ordercode** FLA30.

The Performer Profile 600 Q4 can be operated with a controller in **control mode** or without the controller in **stand-alone mode.**

Control Panel

A

B — MENU

C — ENTER

D — UP

E — DOWN

A) LED Display
B) MENU button
C) ENTER button
D) UP button
E) DOWN button
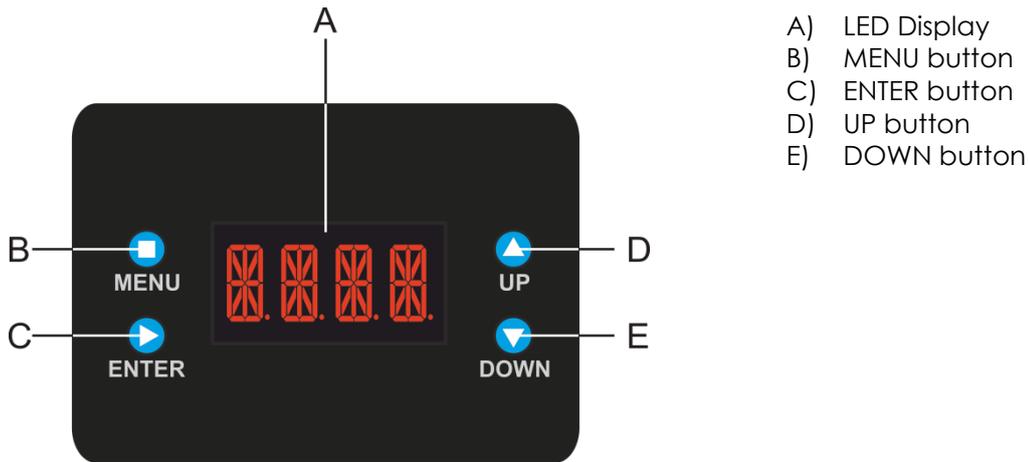
Fig. 14

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, next time.)

DMX Addressing
The control panel on the front side of the base allows you to assign DMX fixture addresses, which is the first channel with which the Performer will respond to the controller.
Please note, when you use the controller, the unit has **15** channels.
When using multiple Performers, make sure you set the DMX addresses right.
Therefore, the DMX address of the first Performer should be **1(D001)**; the DMX address of the second Performer should be **1+15=16 (D016)**; the DMX address of the third Performer should be **16+15=31 (D031)**, etc. Please, be sure that you do not have any overlapping channels in order to control each Performer correctly. If two or more Performers are addressed similarly, they will work similarly.

Controlling:
After having addressed all Performer fixtures, you may now start operating these via your lighting controller.
Note: After switching on, the Performer 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.
If not, the problem may be:
• The XLR cable from the controller is not connected with the input of the Performer.
• The controller is switched off or defective, the cable or connector is detective, 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 30 seconds ⚠

When no button is pressed for 30 seconds, the display will turn off.
To light up the display, you have to press the MENU, UP, DOWN or ENTER button.
Once you have pressed the button, the display will light up.

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Menu Overview
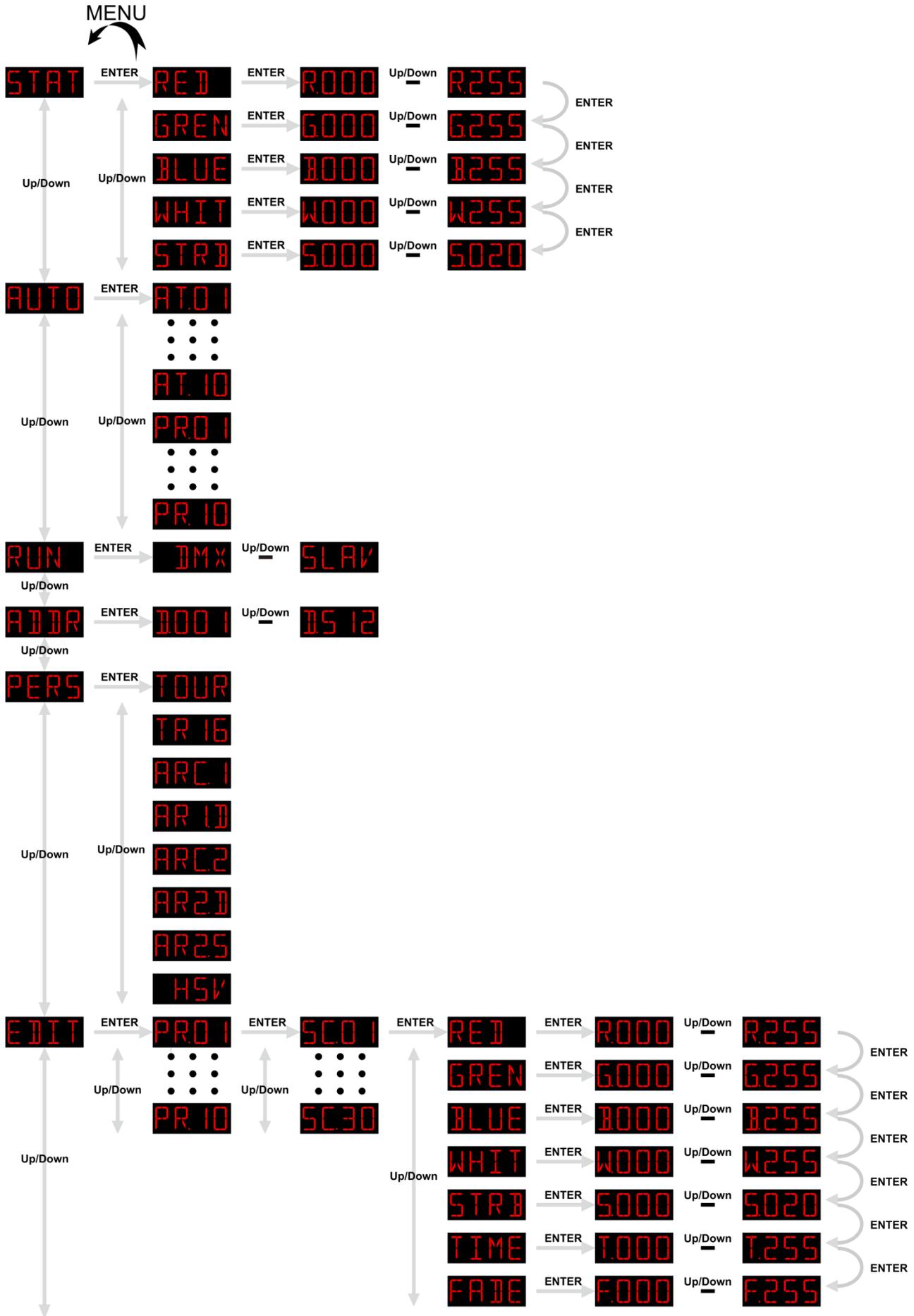
The Performer will only show its entire version number at start-up !

Main Menu Options

STAT	Static Colors
AUTO	Built-in and custom programs
RUN	Master/ slave mode
ADDR	DMX address
PERS	DMX configuration
EDIT	Edit mode
SET	Settings
CAL	Calibration menu

1. Static Colors

With this menu you can set the static colors.

01) While in main menu, press the **UP/DOWN** buttons until the display shows STAT.
02) Press the **ENTER** button to open the menu.
03) Press the **UP/DOWN** buttons to toggle between the static colors (Red, Green, Blue and White) and strobe.
04) Once you have chosen the desired color with the **UP/DOWN** buttons, press the **ENTER** button to adjust the color intensity. The adjustment range is between 0-255, from dark to brightest. You can set this with the **UP/DOWN** buttons.
05) When the display shows S000 Up/Down S020, press the **UP/DOWN** buttons to increase/decrease the strobe frequency. The adjustment range is between 0-20, from OFF to high strobe frequency.
06) You can combine RED, GREEN, BLUE and WHITE to create an infinite range of colors (0-255).

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2. Built-in and custom programs
With this menu you can set the built-in programs or choose your edited custom programs.

AUTO → ENTER → **AT.01**
• • •
• • •
• • •
AT.10
Up/Down **PR.01**
• • •
• • •
• • •
PR.10
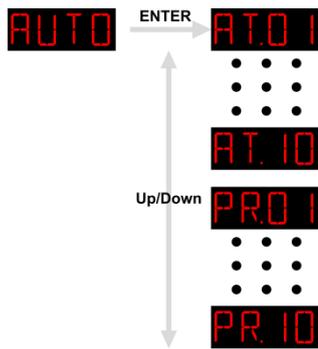
01) While in main menu, press the **UP/DOWN** buttons until the display shows **AUTO**.
02) Press the **ENTER** button to open the menu.
03) Press the **UP/DOWN** buttons to choose one of the 10 uneditable built-in programs (AT01-AT10) and 10 editable presets (PR.C1-PR.10) which can be edited in Edit mode (see page 24).
04) The device will now run the desired built-in program or edited custom program.

3. Master/Slave Mode
With this menu, you can set the device as a slave.

01) While in main menu, press the **UP/DOWN** buttons until the display shows **RUN**.
02) Press the **ENTER** button to open the menu.
03) Press the **UP/DOWN** buttons to toggle between the 2 following options:

DMX   DMX/Master Mode

SLAV   Slave Mode

04) When the display shows **DMX**, the device is operating in DMX/Master Mode.
05) When the display shows **SLAV**, the device is operating in Slave Mode. It means that it will react the same as the master device.

4. DMX-address
With this menu you can set the desired DMX address.

01) While in main menu, press the **UP/DOWN** buttons until the display shows **ADDR**.
02) Press the **ENTER** button to open the menu.
03) Press the **UP/DOWN** buttons to choose the desired DMX address. There are 512 available DMX addresses to choose from **D001** Up/Down **D.512**.

5. DMX configuration
With this menu you can set the desired DMX channel mode (personality).

01) While in main menu, press the **UP/DOWN** buttons until the display shows PERS.
02) Press the **ENTER** button to open the menu.
03) Press the **UP/DOWN** buttons to toggle between the following DMX channel modes:

TOUR:	10 channels		**AR2.D:**	5 channels
TR 16:	15 channels		**AR2.S:**	6 channels
ARC1:	3 channels		**HSV:**	3 channels
AR1.D:	4 channels			
ARC2:	4 channels			

6. Edit Mode
With this menu you can create your own custom shows.

01) While in main menu, press the **UP/DOWN** buttons until the display shows EDIT.
02) Press the **ENTER** button to open the menu.
03) Press the **UP/DOWN** buttons to choose the desired custom program: PR.01 – PR.10.
04) Press the **ENTER** button to proceed to the scene choice. Each custom program has 30 scenes, which can be edited.
05) Once you have chosen the desired scene, press the **ENTER** button to enter the settings.
06) Press the **UP/DOWN** buttons to toggle between RED, GREEN, BLUE, WHITE, STROBE, STEP TIME and FADE options.
07) When the display shows RED, GREEN, BLUE and WHITE, press the **ENTER** button to open the menu and press the **UP/DOWN** buttons to increase/decrease the LED brightness. The adjustment range is between 0-255, from OFF to FULL ON.
08) When the display shows STROBE, press the **ENTER** button to open the menu and press the **UP/DOWN** buttons to set the strobe frequency. The adjustment range is between 0-20, from OFF to high frequency.
09) When the display shows TIME, press the **ENTER** button to open the menu and press the **UP/DOWN** buttons to set the duration of a scene. The adjustment range is between 0-255, from 0 to 255 seconds.

10) When the display shows FADE, press the **ENTER** button to open the menu and press the **UP/DOWN** buttons to set the fade time between particular scenes. The adjustment range is between 0-255, from 0 to 255 seconds.

6.1. How to make your own custom program
01) First, start with PR.01 and add the desired settings in scene 1 (SC.01), then scene 2 (SC.02), etc.
02) In this way you can add a maximum of 30 scenes.
03) After that, you can start with PR.02 and create a maximum of 30 scenes again.
04) You can repeat these steps, until you've reached PR.10, step 30.
05) It is possible to create 300 separate scenes.

7. Settings
With this menu you can set the device's settings.

01) While in main menu, press the **UP/DOWN** buttons until the display shows `SET`.
02) Press the **ENTER** button to set the password.
03) Insert the password: **UP>DOWN>UP>DOWN** and press the **ENTER** button to confirm.
04) Press the **UP/DOWN** buttons to toggle between the menus described below.

7.1. Keylock mode
With this menu you can set whether the display becomes locked after remaining idle for 30 seconds.
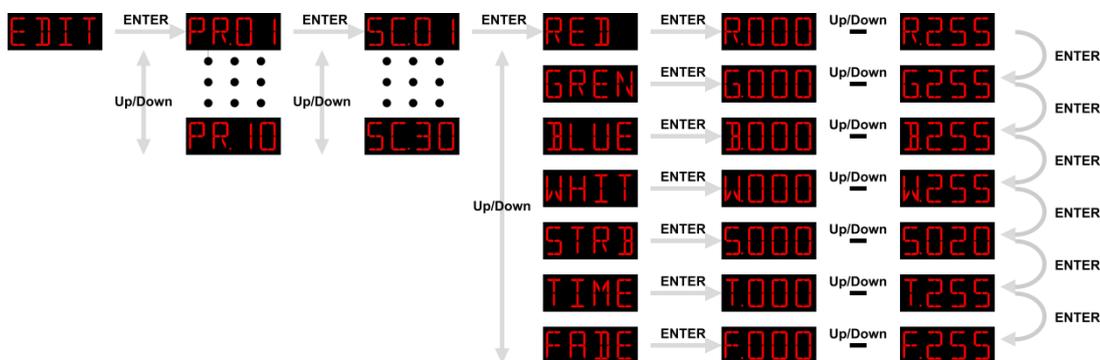
01) Press the **UP/DOWN** buttons until the display shows `KEY`.
02) Press the **ENTER** button to open the menu.
03) Press the **UP/DOWN** buttons to choose between **ON** and **OFF**.
04) If you have selected ON, press the **ENTER** button to confirm.
05) It will now take 30 seconds for the device to become locked.
06) If this options remains active, the device will always ask for the password on start up.
07) In order to unlock the device, press the buttons in the following order: **UP>DOWN>UP>DOWN** and press the **ENTER** button to confirm.

7.2. Upload
With this menu you can export current programs from the master device to the connected slave devices.

01) Press the **UP/DOWN** buttons until the display shows `UPLD`.
02) Press the **ENTER** button to open the menu.
03) Insert the password: **UP>DOWN>UP>DOWN** and press the **ENTER** button to confirm.
04) The display will show `SEND`.
05) While **exporting**, the devices will light up **yellow**.
06) If there are any **problems with exporting**, the master and the slave devices will light up **red**.
07) If the operation is **completed successfully**, the master and the slave devices will light up **green** and the display will show **OK**.

7.3. Reset
With this menu you can reset the custom programs.

01) Press the **UP/DOWN** buttons until the display shows `REST`.
02) Press the **ENTER** button to open the menu.
03) Insert the password: **UP>DOWN>UP>DOWN** and press the **ENTER** button to confirm.
04) The display will show **OK** and the custom programs will have been reset.

7.4. Color

With this menu you can adjust the color calibration functions.

01) Press the **UP/DOWN** buttons until the display shows `COLR`.
02) Press the **ENTER** button to open the menu.
03) Press the **UP/DOWN** buttons to toggle between the following 3 options:

`UC`   Adjusted output

`OFF`   Off

`RGBW`   RGB to White

04) When the display shows `UC`, the RGB output is adjusted to a standard preset universal color. In this way, different Performer versions are color-balanced in order to match each other.
05) When the display shows `OFF`, the RGB settings are: 255, 255, 255. The RGB values are not adjusted and the output is the most powerful.
06) When the display shows `RGBW`, RGB to White is active. This means RGB = 255, 255, 255. The color displayed is the specific color which you have calibrated in **CAL 2 → RGB.W** menu.

7.5. Dimmer

With this menu you can adjust the dimmer.

01) Press the **UP/DOWN** buttons until the display shows `DIM`.
02) Press the **ENTER** button to open the menu.
03) Press the **UP/DOWN** buttons to choose one of the 4 dimmer speed options (DIM1-DIM4, from fast to slow) and OFF.
04) If you choose OFF, then RGBW and the master dimmer are linear.
05) The dimmer settings do not have any influence on the device's performance in DMX **TOUR** mode. The DMX settings override the dimmer settings.

7.6. Performance settings

With this menu you can influence the device's performance.

01) Press the **UP/DOWN** buttons until the display shows `PERF`.
02) Press the **ENTER** button to open the menu.
03) Press the **UP/DOWN** buttons to toggle between the 3 modes:

`LIVE`   Default mode. The Performer provides a compromise between output quality and noise level.

`STDO`   Noise level-oriented mode. The Performer emits little noise and operates at moderate power level.

`POWR`   Output-oriented mode. The device does not offer any consideration for noise level and operates at full power.

7.7. Save DMX/Blackout

With this menu you can set the device's behaviour in case of a DMX signal error.

01) Press the **UP/DOWN** buttons until the display shows `DERR`.
02) Press the **ENTER** button to open the menu.
03) Press the **UP/DOWN** buttons to toggle between the 2 options:

`BLAK`   Blackout

`SAVE`   DMX data save

04) If the display shows `BLAK`, the Performer will blackout the output, in case of the DMX signal error.
05) If the display shows `SAVE`, the Performer will fall back on the last working DMX signal, which will ensure undisrupted performance.

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7.8. Strobe personalities

With this menu you can set the strobe's personalities.

01) Press the **UP/DOWN** buttons until the display shows **STRB**.
02) Press the **ENTER** button to open the menu.
03) Press the **UP/DOWN** buttons to toggle between the 2 modes.
04) If the display shows **SPEC**, you can choose between 3 different strobe modes in the DMX personalities **Tour** and **TR16**.
05) If the display shows **CLAS**, you'll have one linear strobe in the DMX personalities **Tour**, **TR16** and **AR2.S**.

7.9. DMX data transfer

With this menu you can set the DMX data transfer.

01) Press the **UP/DOWN** buttons until the display shows **MCON**.
02) Press the **ENTER** button to open the menu.
03) Press the **UP/DOWN** buttons to toggle between the 2 options.
04) If the display shows **SELF**, the Performer will not send DMX data to the other connected devices.
05) If the display shows **MAST**, the Performer will send DMX data to the other connected devices.

8. Calibration menu

With this menu you can adjust the temperature of the white color presets.

01) While in main menu, press the **UP/DOWN** buttons until the display shows **CAL**.
02) Press the **ENTER** button to set the password.
03) Insert the password: **UP>DOWN>UP>DOWN** and press the **ENTER** button to confirm.
04) Press the **UP/DOWN** buttons to toggle between the menus described below.

8.1. Calibration menu 1

With this menu you can adjust the temperature of the built-in white color presets.

01) Press the **UP/DOWN** buttons until the display shows **CAL1**.
02) Press the **ENTER** button to open the menu.
03) Press the **UP/DOWN** buttons to choose one of the 11 white color presets: **WHO1** _Up/Down_ **WH11**.
04) Once you have chosen the desired preset, press the **ENTER** button to open the submenu.
05) Press the **UP/DOWN** buttons to toggle between RED, GREEN, BLUE and WHITE.
06) Press the **ENTER** button to open the desired color's brightness settings.
07) Press the **UP/DOWN** buttons to increase/decrease the color brightness. The adjustment range of each color is between 0-255, from dark to brightest.

8.2. Calibration menu 2

With this menu you can adjust the temperature of the white color.

01) Press the **UP/DOWN** buttons until the display shows **CAL2**.
02) Press the **ENTER** button to open the menu.
03) Now you can adjust the intensity of the RGB colors. Press the **UP/DOWN** buttons to toggle between RED, GREEN and BLUE.
04) Press the **ENTER** button to open the desired color's brightness settings.
05) Press the **UP/DOWN** buttons to increase/decrease the color brightness. The adjustment range of each color is between 0-255, from dark to brightest.

8.3. Reset calibration

With this menu you can reset the calibration.

01) Press the **UP/DOWN** buttons until the display shows **CALR**.
02) Press the **ENTER** button to set the password.
03) Insert the password: **UP>DOWN>UP>DOWN** and press the **ENTER** button to confirm.
04) The display will show **OK** and the calibration will have been reset.

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DMX Channels

10 channels TOUR

Channel 1 – Master Dimmer intensity

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

Channel 2 – Red Dimmer intensity (CH1 must be set between 1-255 ⚠)

0-255	Gradual adjustment Red from 0 – 100%

Channel 2 – Time (CH8 must be set between 141-255 ⚠)

0-255	Gradual adjustment time, from 0 to 255 sec.

Channel 3 – Green Dimmer intensity (CH1 must be set between 1-255 ⚠)

0-255	Gradual adjustment Green from 0 – 100%

Channel 3 – Fade time (CH8 must be set between 141-255 ⚠)

0-255	Gradual adjustment fade time, from 0 to 255 sec.

Channel 4 – Blue Dimmer intensity (CH1 must be set between 1-255 ⚠)

0-255	Gradual adjustment Blue from 0 – 100%

Channel 5 – White Dimmer intensity (CH1 must be set between 1-255 ⚠)

0-255	Gradual adjustment White from 0 – 100%

Channel 6 – Macros (CH1 must be set between 001-255 ⚠)

0-10	No function
11-30	Red 100% / Green Up / Blue 0%
31-50	Red Down / Green 100% / Blue 0%
51-70	Red 0% / Green 100% / Blue Up
71-90	Red 0% / Green Down / Blue 100%
91-110	Red Up / Green 0% / Blue 100%
111-130	Red 100% / Green 0% / Blue Down
131-150	Red 100% / Green Up / Blue Up
151-170	Red Down / Green Down / Blue 100%
171-200	Red 100% / Green 100% / Blue 100% / White 100%
201-205	White 1: 3200K
206-210	White 2: 3400K
211-215	White 3: 4200K
216-220	White 4: 4900K
221-225	White 5: 5600K
226-230	White 6: 5900K
231-235	White 7: 6500K
236-240	White 8: 7200K
241-245	White 9: 8000K
246-250	White 10: 8500K
251-255	White 11: 10000K

Channel 7 – Linear Strobe (mode is `CLAS` in settings menu `STRB`)

(CH1 and CH2, CH3, CH4 or CH5 must be set between 1-255 and CH6 between 11-255 ⚠)

0-9	No function
10-255	Strobe flash frequency, from slow to fast (0-20Hz)

Channel 7 –Strobe (mode is `SPEC` **in settings menu** `STRB` **)**

(CH1 and CH2, CH3, CH4 or CH5 must be set between 1-255 and CH6 between 11-255 ⚠)

0-9	No function
10-99	Linear strobe, from slow to fast (0-20Hz)
100-109	No function
110-179	Pulse strobe, from low to high frequency
180-189	No function
190-255	Random strobe, from low to high frequency

Channel 8 – Auto program and Custom programs

0-40	No function
41-50	AUTO01
51-60	AUTO02
61-70	AUTO03
71-80	AUTO04
81-90	AUTO05
91-100	AUTO06
101-110	AUTO07
111-120	AUTO08
121-130	AUTO09
131-140	AUTO10
141-150	PROGRAM1
151-160	PROGRAM2
161-170	PROGRAM3
171-180	PROGRAM4
181-190	PROGRAM5
191-200	PROGRAM6
201-210	PROGRAM7
211-220	PROGRAM8
221-230	PROGRAM9
231-255	PROGRAM10

Channel 9 – Program speed (CH8 must be set between 41-140 ⚠)

0-255	Gradual speed adjustment, from slow to fast

Channel 10 – Dimmer speed

0-9	Preset Dimmer speed
10-29	Linear dimmer
30-69	DIM1 (fastest)
70-129	DIM2
130-189	DIM3
190-255	DIM4 (slowest)

15 channels TR16

Channel 1 – Master Dimmer intensity

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

Channel 2 – Master Dimmer fine intensity

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

Channel 2 – Time (CH13 must be set between 141-255 ⚠)

0-255	Gradual adjustment time, from 0 to 255 sec.

Channel 3 – Red dimmer intensity (CH1 must be set between 1-255 ⚠)

0-255	Gradual adjustment Red from 0-100%

Channel 3 – Fade time (CH13 must be set between 141-255 ⚠)

0-255	Gradual adjustment fade time, from 0 to 255 sec.

Channel 4 – Fine Red (CH2 must be set between 1-255 ⚠)

0-255	Fine adjustment Red from 0-100%

Channel 5 – Green dimmer intensity (CH1 must be set between 1-255 ⚠)

0-255	Gradual adjustment Green from 0-100%

Channel 6 – Fine Green (CH2 must be set between 1-255 ⚠)

0-255	Fine adjustment Green from 0-100%

Channel 7 – Blue dimmer intensity (CH1 must be set between 1-255 ⚠)

0-255	Gradual adjustment Blue from 0-100%

Channel 8 – Fine Blue (CH2 must be set between 1-255 ⚠)

0-255	Fine adjustment Blue from 0-100%

Channel 9 – White dimmer intensity (CH1 must be set between 1-255 ⚠)

0-255	Gradual adjustment White from 0-100%

Channel 10 – Fine White (CH2 must be set between 1-255 ⚠)

0-255	Fine adjustment White from 0-100%

Channel 11 – Macros (CH1 must be set between 1-255 ⚠)

0-10	No function
11-30	Red 100% / Green Up / Blue 0%
31-50	Red Down / Green 100% / Blue 0%
51-70	Red 0% / Green 100% / Blue Up
71-90	Red 0% / Green Down / Blue 100%
91-110	Red Up / Green 0% / Blue 100%
111-130	Red 100% / Green 0% / Blue Down
131-150	Red 100% / Green Up / Blue Up
151-170	Red Down / Green Down / Blue 100%
171-200	Red 100% / Green 100% / Blue 100% / White 100%
201-205	White 1: 3200K
206-210	White 2: 3400K

211-215	White 3: 4200K
216-220	White 4: 4900K
221-225	White 5: 5600K
226-230	White 6: 5900K
231-235	White 7: 6500K
236-240	White 8: 7200K
241-245	White 9: 8000K
246-250	White 10: 8500K
251-255	White 11: 10000K

Channel 12 – Linear Strobe (mode is `CLAS` in settings menu `STRB`)
(CH1 and CH2, CH3, CH4, CH5, CH6, CH7, CH8, CH9 and CH10 must be set between 1-255 and CH11

between 11-255 ⚠)

0-9	No function
10-255	Strobe flash frequency, from slow to fast (0-20Hz)

Channel 12 –Strobe (mode is `SPEC` in settings menu `STRB`)
(CH1 and CH2, CH3, CH4, CH5, CH6, CH7, CH8, CH9 and CH10 must be set between 1-255 and CH11

between 11-255 ⚠)

0-9	No function
10-99	Linear strobe, from slow to fast (0-20Hz)
100-109	No function
110-179	Pulse strobe, from low to high frequency
180-189	No function
190-255	Random strobe, from low to high frequency

Channel 13 – Auto program and Custom programs

0-40	No function
41-50	AUTO01
51-60	AUTO02
61-70	AUTO03
71-80	AUTO04
81-90	AUTO05
91-100	AUTO06
101-110	AUTO07
111-120	AUTO08
121-130	AUTO09
131-140	AUTO10
141-150	PROGRAM1
151-160	PROGRAM2
161-170	PROGRAM3
171-180	PROGRAM4
181-190	PROGRAM5
191-200	PROGRAM6
201-210	PROGRAM7
211-220	PROGRAM8
221-230	PROGRAM9
231-255	PROGRAM10

Channel 14 – Program speed (CH13 must be set between 41-140 ⚠)

0-255	Gradual speed adjustment, from slow to fast

Channel 15 – Dimmer speed

0-9	Preset Dimmer speed
10-29	Linear dimmer
30-69	DIM1 (fastest)
70-129	DIM2
130-189	DIM3
190-255	DIM4 (slowest)

3 channels ARC.1

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 AR1.D

Channel 1 – Master Dimmer intensity

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

Channel 2 – Red Dimmer intensity (CH1 must be set between 1-255 ⚠)

0-255	Gradual adjustment Red from 0 – 100%

Channel 3 – Green Dimmer intensity (CH1 must be set between 1-255 ⚠)

0-255	Gradual adjustment Green from 0 – 100%

Channel 4 – Blue Dimmer intensity (CH1 must be set between 1-255 ⚠)

0-255	Gradual adjustment Blue from 0 – 100%

4 channels ARC.2

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%

Channel 4 – White dimmer intensity

0-255	Gradual adjustment White from 0-100%

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5 channels AR2.D

Channel 1 – Master Dimmer intensity

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

Channel 2 – Red Dimmer intensity (CH1 must be set between 1-255 ⚠)

0-255	Gradual adjustment Red from 0 – 100%

Channel 3 – Green Dimmer intensity (CH1 must be set between 1-255 ⚠)

0-255	Gradual adjustment Green from 0 – 100%

Channel 4 – Blue Dimmer intensity (CH1 must be set between 001-255 ⚠)

0-255	Gradual adjustment Blue from 0 – 100%

Channel 5 – White Dimmer intensity (CH1 must be set between 001-255 ⚠)

0-255	Gradual adjustment White from 0 – 100%

6 channels AR2.S

Channel 1 – Master Dimmer intensity

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

Channel 2 – Red Dimmer intensity (CH1 must be set between 1-255 ⚠)

0-255	Gradual adjustment Red from 0 – 100%

Channel 3 – Green Dimmer intensity (CH1 must be set between 1-255 ⚠)

0-255	Gradual adjustment Green from 0 – 100%

Channel 4 – Blue Dimmer intensity (CH1 must be set between 1-255 ⚠)

0-255	Gradual adjustment Blue from 0 – 100%

Channel 5 – White Dimmer intensity (CH1 must be set between 1-255 ⚠)

0-255	Gradual adjustment White from 0 – 100%

Channel 6 – Linear Strobe (CH1 and CH2, CH3, CH4 and CH5 must be set between 1-255 ⚠)

0-9	No function
10-255	Strobe flash frequency, from slow to fast (0-20Hz)

3 channels (HSV)

Channel 1 – Hue (color variations) (CH3 must be set between 1-255 ⚠)

0-255	Gradual adjustment hue, from 0-100%

Channel 2 – Red color saturation (CH3 must be set between 1-255 ⚠)

0-255	Saturation adjustment, from 0-100%

Channel 3 – Value (dimmer)

0-255	Gradual adjustment dimmer, from dark to brightest

Cleaning

Please follow the next recommendations when cleaning and inspecting lenses and reflectors:
Do not use glass or window type cleaners on lenses (glass or polymer) or reflectors.
Do not use abrasive materials such as steel wool.
Replace lenses if they contain visible damage (cracks or deep scratches) which that may impair their effectiveness.

Cleaning 19°, 26°, 36°, and 50° glass lenses

01) Remove the beam focus controls at the bottom of the barrel. Remove the lens tube from the barrel.
02) Dampen a clean lint-free cloth with vinegar or household ammonia. You may also use water, but it will leave spots that can be removed by gently polishing the lens with a clean and dry cloth.
03) Starting from the center, gently wipe the lens.
04) Slide the lens tube back into the barrel with the color frame-retaining clip on top. Replace the beam focus controls.

Cleaning the reflector

⚠️ **Unplug the fixture before attempting to clean the reflector. To quickly clean the reflector, remove the lens tube and clean the dust from the reflector with a blast of oil-free air. You may also wipe the reflector with a clean lint-free cloth. If either method is not sufficient, follow the instructions below. You will need a screwdriver to complete this procedure.** ⚠️

01) Remove the barrel rotation controls located at the bottom of the barrel. Use a screwdriver to remove the retainer bolt located on top of the reflector housing.
02) Rotate the barrel by 45° in either direction. Carefully remove the barrel from the reflector housing.
03) Dampen a clean lint-free cloth with alcohol or distilled water (alcohol is recommended).
04) Gently wipe the reflector.
05) Insert the barrel into the reflector housing with the iris/pattern slot on top (line up the triangles on both parts).
06) While pressing in gently, rotate the barrel by 45° clockwise until it sets into position. Then, rotate the barrel counterclockwise 45°. The barrel should be firmly attached and the triangles should line up again.
07) Replace the barrel rotation controls and tighten the retainer bolt.

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Maintenance

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

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

The Performer Profile 600 Q4 requires almost no maintenance. However, you should keep the unit clean. Otherwise, the fixture's light-output will be significantly reduced. Disconnect the mains power supply, and then wipe the cover with a damp cloth. Do not immerse in liquid. Wipe lens clean with glass cleaner and a soft cloth. Do not use alcohol or solvents.
The front lens will require weekly cleaning, as smoke-fluid tends to build up residues, reducing the light-output very quickly. Keep connections clean. Disconnect electric power, and then wipe the DMX and audio connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

Replacing the Fuse

Power surges, short-circuit or inappropriate electrical power supply may cause a fuse to burn out. If the fuse burns out, the product will not function whatsoever. If this happens, follow the directions below:
01) Unplug the unit from electric power source.
02) Insert a flat-head screwdriver into a slot in the fuse cover. Turn the screwdriver to the left, at the same time gently push a bit (Turn and Push). The fuse will come out.
03) Remove the used fuse. If brown or unclear, it is burned out.
04) Insert the replacement fuse into the holder where the old fuse was. Reinsert the fuse cover. Be sure to use a fuse of the same type and specification. See the product specification label for details.

Troubleshooting

This troubleshooting guide is meant to help solve simple problems.
If a problem occurs, carry out the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out following steps.

No Light

If the light effect does not operate properly, refer servicing to a technician.
Response: Suspect three potential problem areas as: the power supply, the LEDs, the fuse.
01) Power supply. Check if the unit is plugged into an appropriate power supply.
02) The LEDs. Return the Performer to your Showtec dealer.
03) The fuse. Replace the fuse. See page 35 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 Performer, 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	• 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
Shutter closes suddenly	The color wheel, gobo wheel or a gobo has lost its index position and the fixture is resetting the effect	• Contact a technician for servicing if the problem persists
No light or LEDS cuts out intermittently	Fixture is too hot	• 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	• 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

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Product Specifications

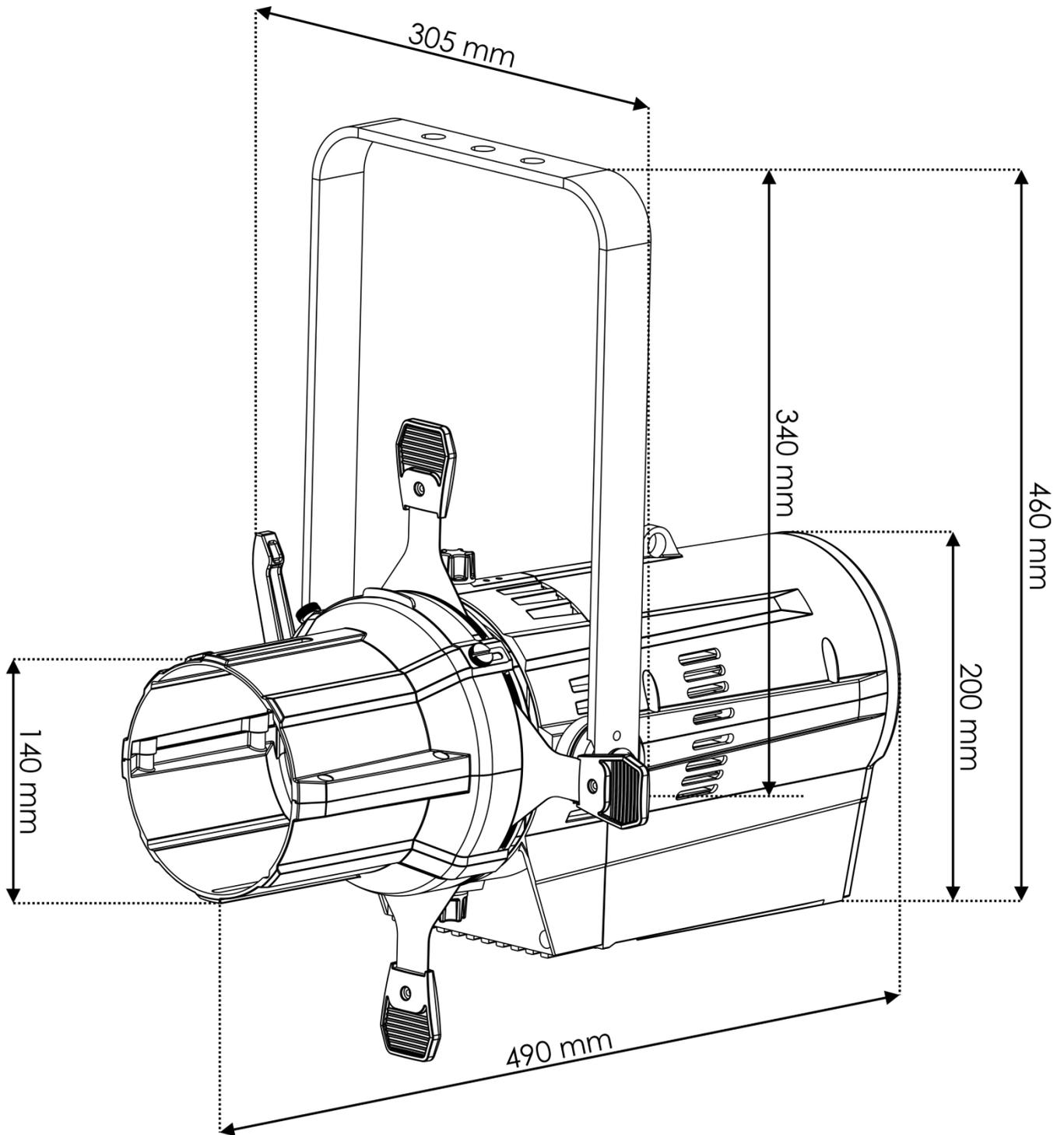|	
Model:	Showtec Performer Profile 600 Q4
Input Voltage:	100-240 VAC, 50/60Hz
Power consumption:	180W (full output)
DMX linking:	30pcs
Power linking @120V:	5 units
Power linking @230V:	10 units
Fuse:	T3,15AL/250V
Dimensions:	490 x 305 x 460 mm (LxWxH)
Weight:	7,5 kg
Operating and Programming:	
Signal pin OUT:	Pin 1 (earth), pin 2 (-), pin 3 (+)
DMX Mode:	3, 4, 5, 6, 10 or 15 channels
Signal input:	3-pin/5-pin XLR male
Signal output:	3-pin/5-pin XLR female
Electro-mechanical effects:	
Light Source:	1 x 150W COB 4-in-1
Beam angle:	15º-50º, depending on applied lens
Focus:	Manual
Dimmer:	0-100%
Dim Curve:	Dimm4 technology, 4 presets
Strobe:	0-20Hz
Peak Intensity:	43000cd
Max. Flux:	3700 Lumen
Drive current:	1A
Refresh Rate:	1200Hz
Housing:	Die-cast aluminum
DMX-control:	via standard DMX-controller
On Board:	LED display for easy setup
Control:	DMX, Auto program, Static mode, Master/Slave
Connections:	Neutrik Powercon to Schuko
IP Rating:	IP20
Cooling:	Silent fan
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 m

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

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

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Dimensions

305 mm
340 mm
460 mm
200 mm
140 mm
490 mm

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