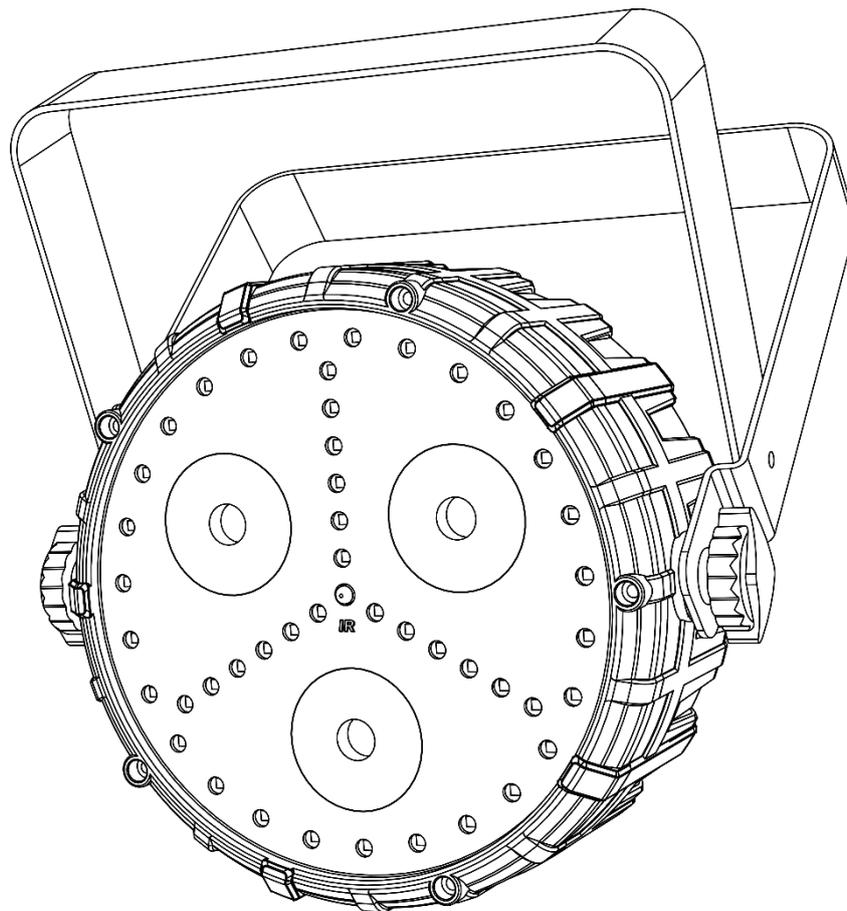




MANUAL



ENGLISH

Club Par Dizzy 3/8

V1

Ordercode: 42653

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Warning



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

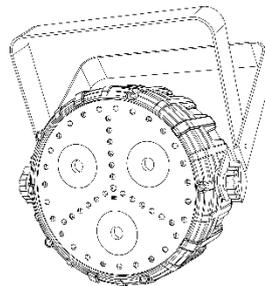


Unpacking Instructions

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 Club Par Dizzy 3/8
- IEC power cable (1,75 m)
- User manual



LED Expected Lifespan

LEDs gradually decline in brightness over time. HEAT is the dominant factor that leads to the acceleration of this decline. Packaged in clusters, LEDs exhibit higher operating temperatures than in ideal or singular optimum conditions. For this reason, when all color LEDs are used at their fullest intensity, life of the LEDs is significantly reduced. If improving 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 to qualified technicians only.

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

- Never let the power cord come into contact with other cables! Handle the power cord and all connections with the mains with particular caution!
- Never modify, bend, mechanically strain, put pressure on, pull or heat up the power cord.
- Never strain the cable insert or the female part in the device. There must always be sufficient cable going to the device. Otherwise, the cable will be damaged, which can cause serious damage.
- Never remove warning or informative labels from the unit.
- Never use anything to cover the ground contact.
- Never lift the device holding it by the projector-head, as the mechanics may be damaged. Always hold the device by the transport handles.
- Never place any material over the LEDs or lens.
- Never look directly into the light source.
- Never leave any cables lying around.
- Never use the device during thunderstorms, unplug the device immediately.
- Never leave various parts of the packaging (plastic bags, polystyrene foam, nails, etc.) within children's reach, as they are potential sources of danger.
- Do not insert objects into air vents.
- Do not open the device and do not modify the device.
- Do not connect this device to a dimmer pack.
- Do not switch the device on and off in short intervals, as this will reduce the device's life.
- Do not touch the device's housing bare-handed during its operation (housing becomes hot). Allow the device to cool for at least 5 minutes before handling.
- Do not shake the device. Avoid brute force when installing or operating the device.
- Only operate the device after having checked if the housing is firmly closed and all screws are tightly fastened.
- Only operate the device after having familiarized with its functions.
- Avoid flames and do not put close to flammable liquids or gases.
- Always keep the case closed while operating.
- Always allow a free air space of at least 50 cm around the unit for ventilation.
- Always disconnect power from the mains, when device is not used or before cleaning! Only handle the power cord holding it by the plug. Never pull out the plug by tugging the power cord.
- Make sure that the device is not exposed to extreme heat, moisture or dust.
- Make sure that the available voltage is not higher than stated on the rear panel.
- Make sure that the power cord is never crimped or damaged. Check the device and the power cord from time to time.
- Make sure that the core diameter of extension cords and power cords is sufficient for the required power consumption of the device.
- If the lens or LEDs are obviously damaged, it have to be replaced to prevent its functions from being impaired, due to cracks or deep scratches.
- If the external cable is damaged, it has to be replaced by a qualified technician.
- If device was dropped or struck, disconnect mains power supply immediately. Have a qualified engineer inspect for safety before operating.
- If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.
- If your Showtec device fails to work properly, discontinue the use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Showtec dealer for service.
- For adult use only. The device must be installed beyond the reach of children. Never leave the unit running unattended.
- Never attempt to bypass the thermostatic switch or fuses.
- For replacement use fuses of same type and rating only.
- The user is responsible for correct positioning and operating of the device. The manufacturer will not accept liability for damages caused by the misuse or incorrect installation of this device.
- This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- **WARRANTY:** Till one year after date of purchase.



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



Operating Determinations

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

You endanger your own safety and the safety of others!

Rigging

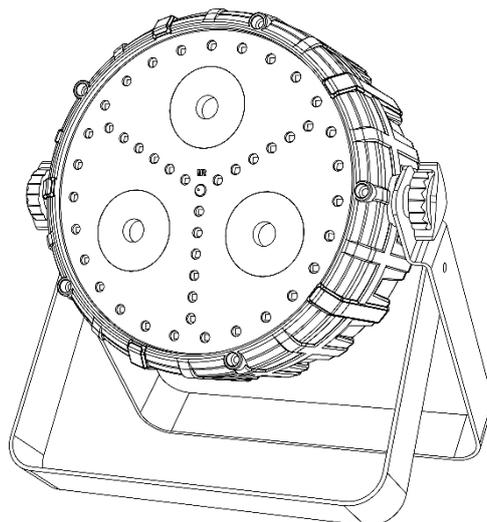
Please follow the European and national guidelines concerning rigging, trussing and all other safety issues.

Do not attempt the installation yourself !

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

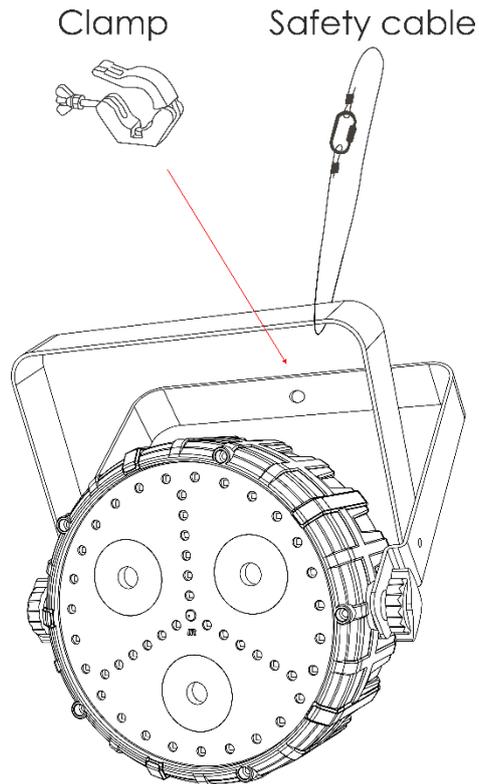
Procedure:

- If the projector is lowered from the ceiling or high joists, professional trussing systems have to be used.
- Use a clamp to mount the projector, with the mounting bracket, to the trussing system.
- The projector must never be fixed swinging freely in the room.
- The installation must always be secured with a safety attachment, e.g. an appropriate safety net or safety cable.
- When rigging, de-rigging or servicing the projector, always make sure, that the area below the installation site is secured and that there are not any unauthorized people around.



The Club Par Dizzy 3/8 can be placed on a flat stage floor or mounted to any kind of truss with a clamp.

Mounting a clamp to the Club Par Dizzy 3/8



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

Connection with the mains

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

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

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





Return Procedure



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

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

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

Claims

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

It is the customer's responsibility to 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 Club Par Dizzy 3/8 is a light fixture with high output and great effects.

- 5 different control modes and various built-in programs
- RGB Wash
- UV Blacklight
- 10 Section Strobe Ring
- 6 Section RGB Patterns
- IR Remote included
- Double adjustable bracket can be used as a floorstand
- Power input: 100-240V 50/60Hz
- Power linking: Up to 16 Units
- Power consumption: 45W
- LED Source: 3 x 8W 4-in-1 RGB+UV LEDs
- 27 x 0,5W Cool White SMD LEDs
- 18 x 0,5W RGB SMD LEDs
- Output: 847 lux @ 2m
- Control mode: Auto, Manual, Sound, Master/Slave, DMX 512
- DMX Channels: 3, 9
- Control Display: 4 Digits LED
- Dimmer: 0-100%
- Strobe: 0-20Hz
- Beam Angle: 22°
- Housing: Plastic
- Colour: Black
- Data Connector: 3-pin XLR (In/Out)
- Power Connection: IEC IN & OUT
- Cooling: Fan Cooled
- Fuse: T1L/250V
- Dimensions: 264 x 214 x 77 mm
- Weight: 1,1 Kg

Certification and Safety

Certification: CE

Max. ambient Temp.: 40°C

Overview

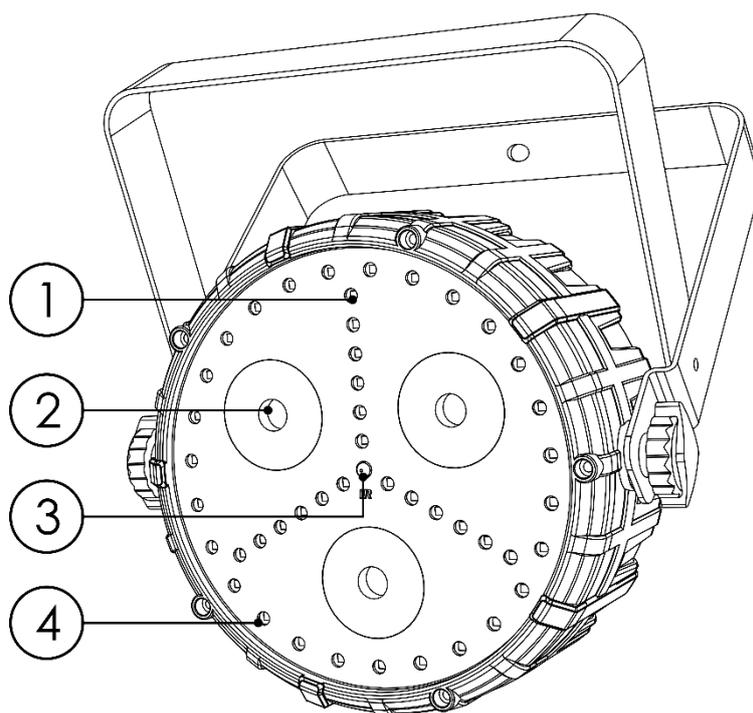


Fig. 01

- 01) 18 x 0,5W RGB SMD LEDs
- 02) 3 x 8W 4-in-1 RGB+UV LEDs
- 03) IR Sensor
- 04) 27 x 0,5W Cool White SMD LEDs

Backside

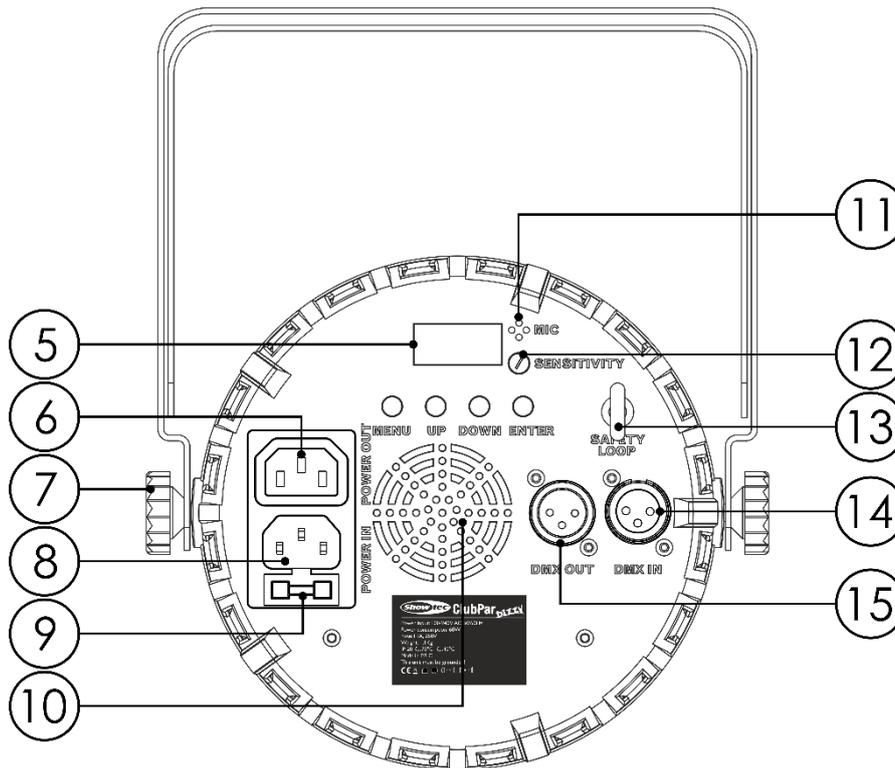


Fig. 02

- 05) LED display + control buttons
- 06) IEC power connector OUT
- 07) Mounting bracket with inclined screw
- 08) IEC power connector IN
- 09) Fuse T1L/250V
- 10) Cooling fan
- 11) Built-in microphone
- 12) Sound sensitivity control
- 13) Safety eye
- 14) 3-pin DMX signal connector IN
- 15) 3-pin DMX signal connector OUT

Installation

Remove all packing materials from the Club Par Dizzy. 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.

Control Modes

There are 5 modes:

- Built-in programs
- Manual Mode
- Sound-controlled
- Master/Slave
- DMX-512 (3CH, 9CH)

One Club Par Dizzy (Built-in programs, Manual mode)

- 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) Plug the end of the electric mains power cord into a proper electric power supply socket.
- 04) When the Club Par Dizzy is not connected with a DMX cable, it functions as a stand-alone device.
- 05) Please see pages 15-16 for more information about the Built-in programs and the Manual mode.

One Club Par Dizzy (Sound-controlled)

- 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) Plug the end of the electric mains power cord into a proper electric power supply socket.
- 04) When the Club Par Dizzy is not connected with a DMX cable, it functions as a stand-alone device.
- 05) Please see page 15 for more information about the Sound-controlled mode.

Multiple Club Par Dizzy's (Master/Slave Mode)

- 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) 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 Club Par Dizzys.

The pins:



- 01) Earth
- 02) Signal (-)
- 03) Signal (+)

- 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. You can use the same functions on the master device as described on page 15 (Built-in 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 Club Par Dizzy's Master/Slave Set Up

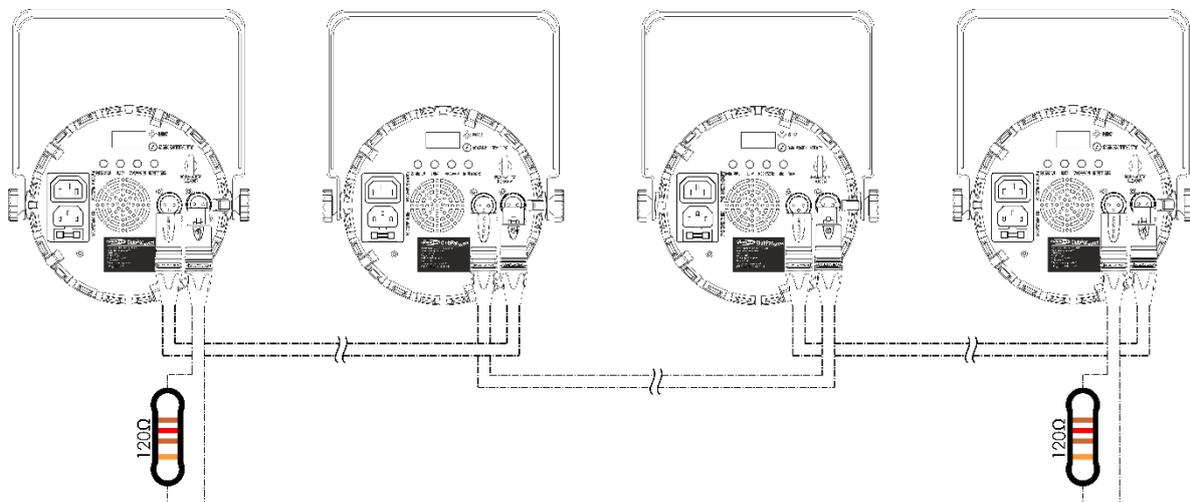
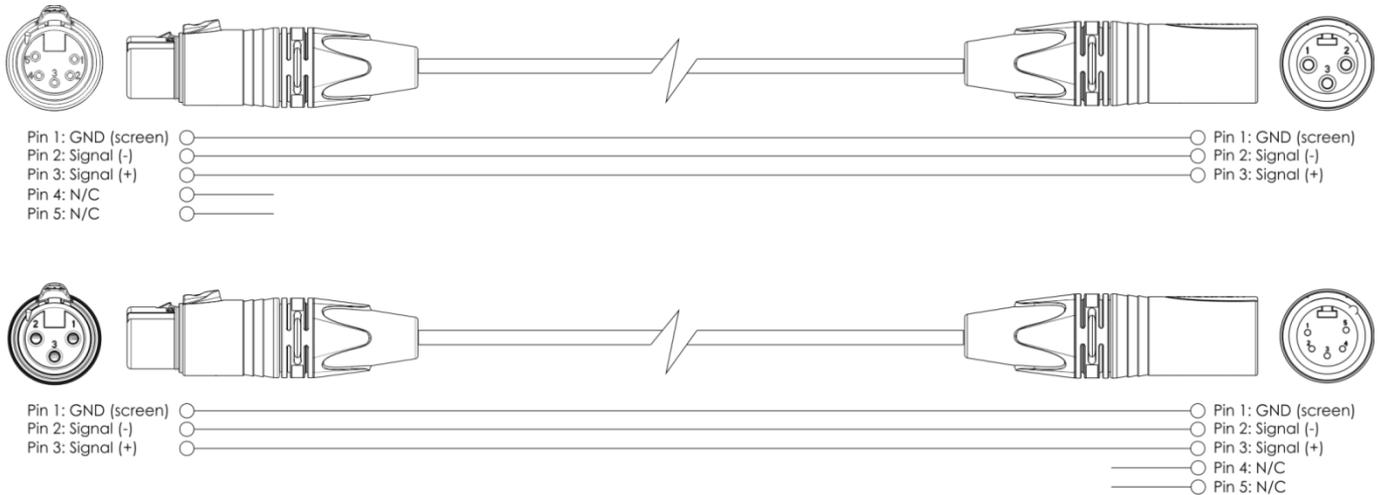


Fig. 03

Multiple Club Par Dizzy's (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 Club Par Dizzy's and other devices.



- 05) Link the units as shown in Fig. 04, 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 Club Par Dizzy's DMX Set Up

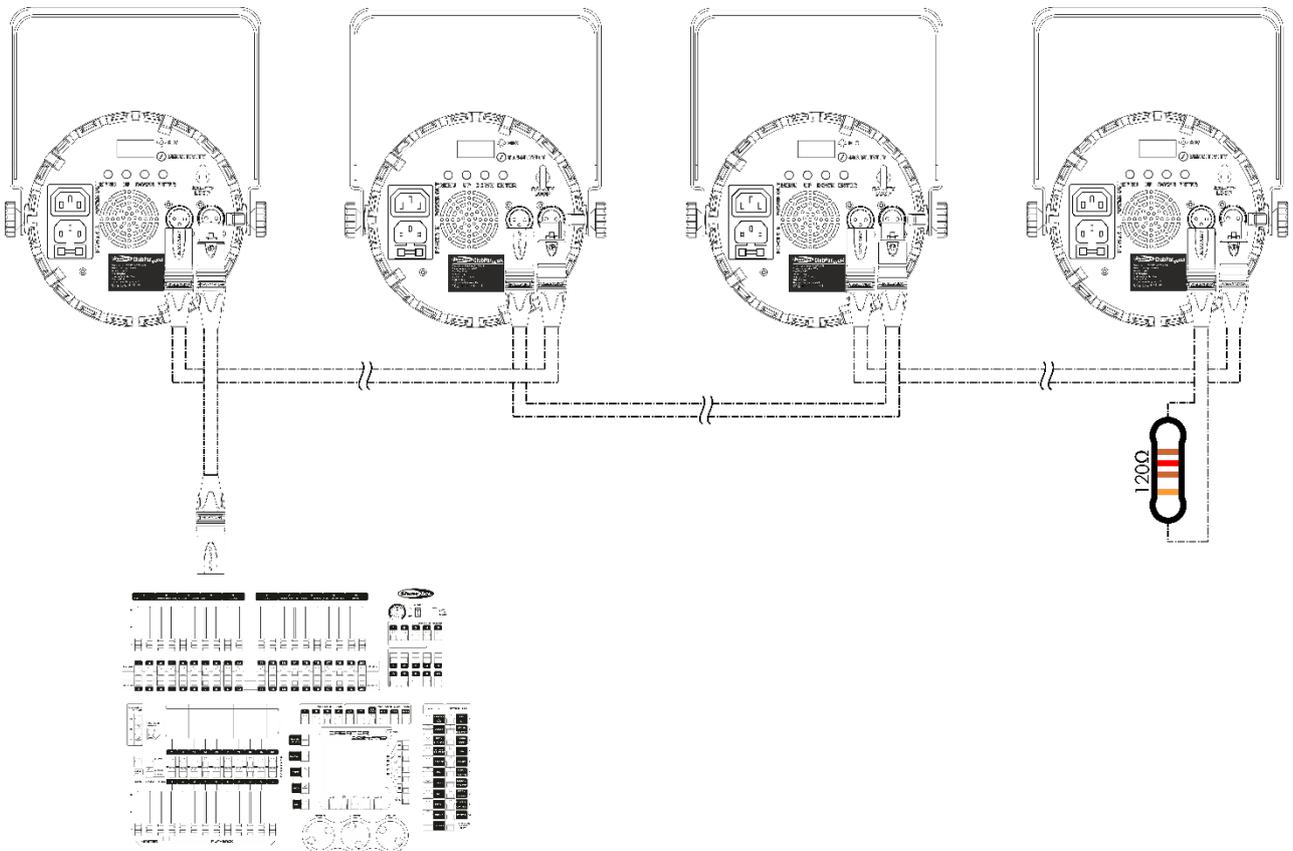


Fig. 04

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 @110V: 8 fixtures
Maximum recommended number of fixtures on a power link @240V: 16 fixtures

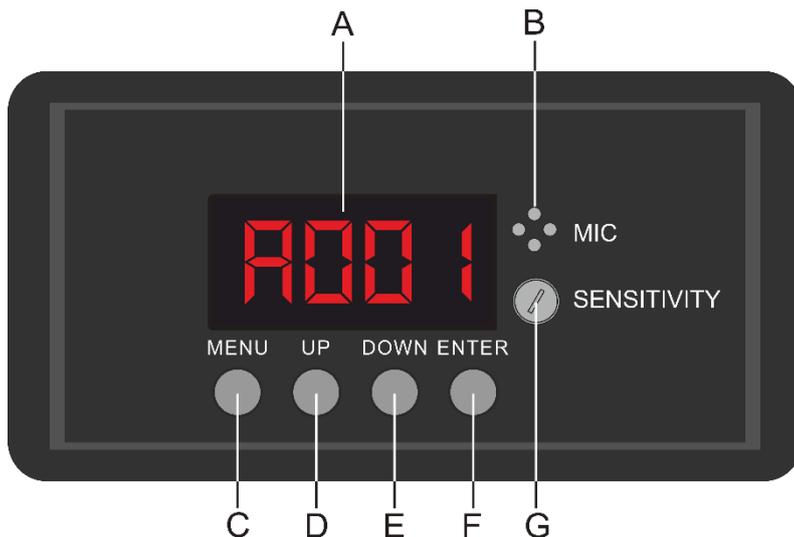
Data Cabling

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

DAP Audio DMX Data Cables

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

Control Panel



- A) LED display
- B) Microphone
- C) MENU button
- D) UP button
- E) DOWN button
- F) ENTER button
- G) Sensitivity

Fig. 05

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 Club Par Dizzy will respond to the controller.

Please note when you use the controller, the unit has **9** channels.

When using multiple Club Par Dizzy's, make sure you set the DMX addresses right.

Therefore, the DMX address of the first Club Par Dizzy should be **1(001)**; the DMX address of the second Club Par Dizzy should be **1+9=10 (010)**; the DMX address of the third Club Par Dizzy should be **10+9=19 (019)**, etc.

Please, make sure that you do not have any overlapping channels in order to control each Club Par Dizzy correctly. If two or more Club Par Dizzy's are addressed similarly, they will work similarly.

Controlling:

After having addressed all Club Par Dizzy fixtures, you may now start operating these via your lighting controller.

Note: After switching on, the Club Par Dizzy 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 Club Par Dizzy.
- 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.

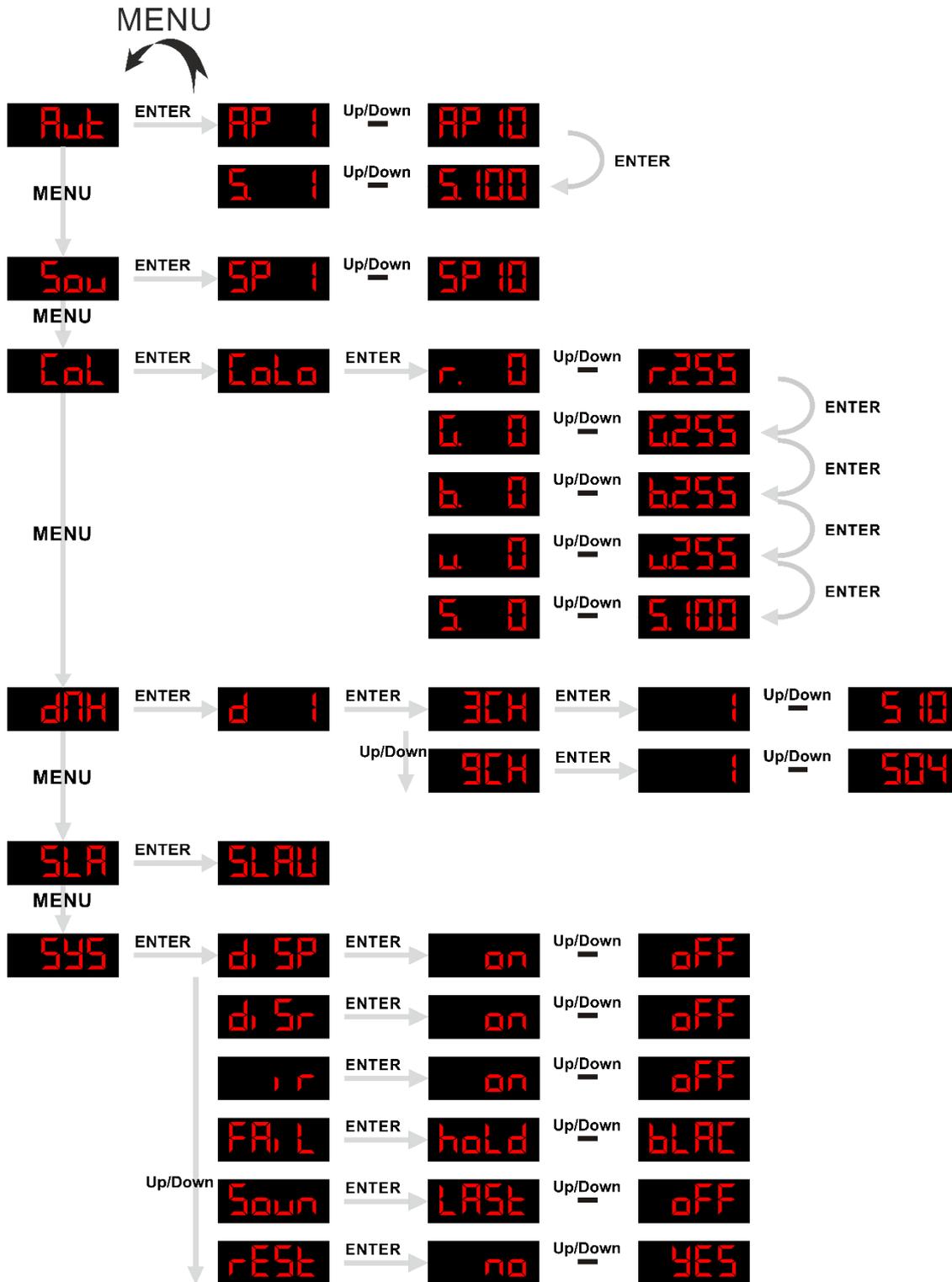
Display Off after 35 seconds

When no button is pressed for 35 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.

Menu Overview



Main Menu Options

Aut	Built-in Shows
Sou	Sound-controlled
Col	Color Settings
dMx	DMX-512 Mode
SLA	Master/Slave Mode
SYS	System Settings

The Club Par Dizzy will only show its version number at start-up !

V101

1. Built-in Shows

- 01) Press the **MENU** button until the display shows **Aut**.
- 02) Press the **ENTER** button to enter the menu.
- 03) Press the **MENU** button until the display shows one of the available 10 built-in programs:
AP 1 ^{Up/Down} **AP 10**.
- 04) Press the **UP/DOWN** buttons to toggle between the programs.
- 05) Press the **ENTER** button to choose your preferred built-in show.
- 06) Press the **UP** and **DOWN** buttons to adjust the speed of your preferred show.
The adjustment range is between **5 1** ^{Up/Down} **5.100**, from slow to fast.
- 07) Press the **ENTER** button to set the speed.

2. Sound-controlled

- 01) Press the **MENU** button until the display shows **Sou**.
- 02) Press the **ENTER** button to enter the menu.
- 03) Press the **UP/DOWN** buttons to set the sound sensitivity. The adjustment range is between **SP 1** ^{Up/Down} **SP 10**, from low to high sensitivity.
- 04) The device will now react to the beat of the background music.
- 05) Press the **ENTER** button to choose your preferred sound-controlled show.
- 06) Decrease or increase the sound sensitivity by turning the control **(12)**, respectively to the left or right, on the backside of the device.

3. Color Settings

- 01) Press the **UP** and **DOWN** buttons until the display shows **Col**.
- 02) Press the **ENTER** button to proceed. The display will show **CoLo**.
- 03) Press the **ENTER** button to enter the edition mode.
- 04) Repeatedly press the **ENTER** button to toggle between the following color settings:

r. 0  **r255** Red color intensity
0 = OFF, 255 = Full ON

G. 0  **G255** Green color intensity
0 = OFF, 255 = Full ON

b. 0  **b255** Blue color intensity
0 = OFF, 255 = Full ON

u. 0  **u255** UV color intensity
0 = OFF, 255 = Full ON

S. 0  **S.99** Strobe speed
0 = OFF, 99 = Fast
S.100 Sound-controlled

Note: You can only use 3 colors at a time.

- 05) Press the **UP** and **DOWN** buttons to adjust the settings above, as required.
- 06) Press the **ENTER** button to save the settings.

4. DMX-512 Mode

- 01) Press the **MENU** button until the display shows **dMx**.
- 02) Press the **ENTER** button to enter the menu.
- 03) Press the **UP** and **DOWN** buttons to choose one of the available DMX channel modes:

3CH 3-channel mode

9CH 9-channel mode

- 04) While the display shows **3CH**, press the **ENTER** button to proceed to the 3-channel mode.
- 05) Press the **UP** and **DOWN** buttons to set the DMX address between **1**  **510**.
- 06) Press the **ENTER** button to confirm the address.
- 07) While the display shows **9CH**, press the **ENTER** button to proceed to the 9-channel mode.
- 08) Press the **UP** and **DOWN** buttons to set the DMX address between **1**  **504**.
- 09) Press the **ENTER** button to confirm the address.

5. Master/Slave Mode

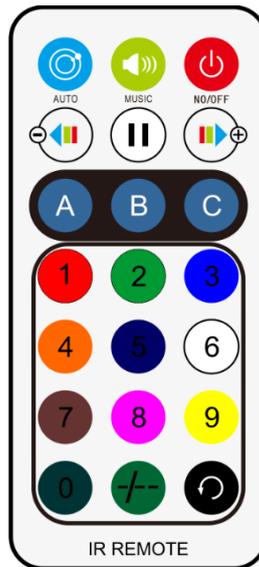
- 01) Press the **MENU** button until the display shows **SLA**.
- 02) Press the **ENTER** button. The display will show **SLAV**.
- 03) The device is now operating in Master/Slave mode. It means that it will react the same as the master device.

6. System Settings

- 01) Press the **UP** and **DOWN** buttons until the display shows **595**.
- 02) Press the **ENTER** button to enter the menu.
- 03) Repeatedly press the **UP** and **DOWN** buttons to toggle between the following system settings:

d SP	Display power saving mode
d Sr	Display Reverse mode
Ir	Ir Remote control
FA L	DMX Fail
Soun	Sound Mode
rEst	Reset
- 04) While the display shows **d SP**, press the **ENTER** button to proceed to the Display settings.
- 05) Press the **UP** and **DOWN** buttons to choose between **on** ^{Up/Down} **off**.
If set to ON, the display will remain ON.
If set to OFF, the display will dim after 30 seconds.
- 06) While the display shows **d Sr**, press the **ENTER** button to proceed to the Display Reverse.
- 07) Press the **UP** and **DOWN** buttons to choose between **on** ^{Up/Down} **off**.
If set to ON, the display will reverse.
If set to OFF, the display will remain normal.
- 08) While the display shows **Ir**, press the **ENTER** button to proceed to the Infrared Remote Control.
- 09) Press the **UP** and **DOWN** buttons to choose between **on** ^{Up/Down} **off**.
If set to ON, the fixture will recognize the included remote control.
If set to OFF, the remote control will be ignored by the fixture.
- 10) While the display shows **FA L**, press the **ENTER** button to proceed to the Blackout/DMX Fail Mode.
- 11) Press the **UP** and **DOWN** buttons to choose between **hold** ^{Up/Down} **blac**.
If the device has been set to **hold** and the DMX signal is lost, the device will not blackout, it will automatically start its auto program.
If the device has been set to **blac** and the DMX signal is lost, the device will blackout. The device will not remember its last received DMX signal. Do not use this option when the device is used as a stand-alone device (i.e. without a DMX signal and without an XLR cable). The moving head will remain in a blackout state, no matter what setting you have set in one of the stand-alone modes.
- 12) While the display shows **Soun**, press the **ENTER** button to proceed to the Sound Mode.
- 13) Press the **UP** and **DOWN** buttons to choose between **LAST** ^{Up/Down} **off**.
If the device has been set to **LAST**, the device will react to the beat of the music.
If the device has been set to **off** the device will not react to the beat of the music.
- 14) While the display shows **rEst**, press the **ENTER** button to proceed to the power saving mode.
- 15) Press the **UP** and **DOWN** buttons to choose between **no** ^{Up/Down} **yes**.
If the device has been set to **no** On, the device will not reset.
If the device has been set to **yes** the device will reset the device's settings.

Remote Control



Button	Function	Description
	On / Off	Switch the device ON or OFF
	Auto Mix Mode (Wash/Beam/Laser/Strobe)	Repeatedly press the button to activate/deactivate Mix Auto programs (AM1-AM3)
	Sound-controlled Mix Mode (Wash/Beam/Laser/Strobe)	Repeatedly press the button to activate/deactivate Mix Sound-controlled programs (SM1-SM3)
	Wash LEDs auto mode	Repeatedly press the button to activate/deactivate the Wash LEDs mode programs (AP1-AP8/SP1-SP6)
	Beam LEDs auto mode	Repeatedly press the button to activate/deactivate the Beam LEDs mode programs (Ab1-Ab10/Sb1-Sb10)
	Laser auto mode	Repeatedly press the button to activate/deactivate the Laser mode programs (AL1-AL6/SL1-SL3)
	Pause	Press the button to pause the built-in programs or color change
	Speed	Press one of the buttons to adjust the built-in programs speed. 0 = slow, 9 = fast
	Color settings	Press one of the two buttons to choose the desired built-in color of the Wash LEDs
	Auto/Sound mode switch	Press the button to change the programs Wash /Beam /Laser into Auto or Sound mode

DMX Channels

3 channel

Channel 1 – Control Modes

0-5	Off
6-30	Auto Program 1/Sound Program 1
31-55	Auto Program 2/Sound Program 2
56-80	Auto Program 3/Sound Program 3
81-105	Auto Program 4/Sound Program 4
106-130	Auto Program 5/Sound Program 5
131-155	Auto Program 6/Sound Program 6
156-180	Auto Program 7/Sound Program 7
181-205	Auto Program 8/Sound Program 8
206-230	Auto Program 9/Sound Program 9
231-255	Auto Program 10/Sound Program 10

Channel 2 – Program Speed (⚠ CH1 must be set between 6-255 ⚠)

0-250	From slow to fast
251-255	Sound

Channel 3 – Master Dimmer

0-255	Gradual adjustment from dark to brightest 0-100%
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9 channels

Channel 1 – Red ⚠ You can only use 3 colors at a time ⚠

0-255	Gradual adjustment Red, from 0-100%
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Channel 2 – Green ⚠ You can only use 3 colors at a time ⚠

0-255	Gradual adjustment Green, from 0-100%
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Channel 3 – Blue ⚠ You can only use 3 colors at a time ⚠

0-255	Gradual adjustment Blue, from 0-100%
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Channel 4 – UV ⚠ You can only use 3 colors at a time ⚠

0-255	Gradual adjustment UV, from 0-100%
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Channel 5 – Strobe

0	Open
1-250	Strobe frequency, from low to high frequency
251-255	Sound-controlled strobe

Channel 6 – RGB SMD (18 x 0,5W RGB SMD LEDs)

0-5	Off
6-21	R
22-37	G
38-53	B
54-69	RG
70-101	RB
102-117	GB
118-133	RGB
134-149	Auto Program 1/Sound Program 1
150-165	Auto Program 2/Sound Program 2
166-181	Auto Program 3/Sound Program 3

182-197	Auto Program 4/Sound Program 4
198-213	Auto Program 5/Sound Program 5
214-229	Auto Program 6/Sound Program 6
230-245	Auto Program 7/Sound Program 7
246-255	Auto Program 8/Sound Program 8

Channel 7 – Strobe (⚠ CH6 must be set between 6-133 ⚠)

0	Open
1-250	Strobe frequency, from low to high frequency
251-255	Sound-controlled

Channel 7 – Program Speed (⚠ CH6 must be set between 134-255 ⚠)

0-250	From slow to fast
251-255	Sound-controlled Program Speed

Channel 8 – White SMD LEDs (outer ring)

0-5	Off
6-30	Auto Program 1/Sound Program 1
31-55	Auto Program 2/Sound Program 2
56-80	Auto Program 3/Sound Program 3
81-105	Auto Program 4/Sound Program 4
106-130	Auto Program 5/Sound Program 5
131-155	Auto Program 6/Sound Program 6
156-180	Auto Program 7/Sound Program 7
181-205	Auto Program 8/Sound Program 8
206-230	Auto Program 9/Sound Program 9
231-255	Auto Program 10/Sound Program 10

Channel 9 – White SMD Strobe (⚠ CH8 must be set between 6-30 ⚠)

0	Open
1-250	Strobe frequency, from low to high frequency
251-255	Sound-controlled

Channel 9 – Program Speed (⚠ CH8 must be set between 31-255 ⚠)

0-250	From slow to fast
251-255	Sound-controlled Program Speed

Maintenance

The Showtec Club Par Dizzy requires almost no maintenance. However, you should keep the unit clean. Otherwise, the fixture's light-output will be significantly reduced.

Disconnect the mains power supply and then wipe the cover with a damp cloth. Wipe the front glass panel clean with glass cleaner and a soft cloth. Do not use alcohol or solvents. The front glass panel will require weekly cleaning, as smoke-fluid tends to build up residues, reducing the light-output very quickly. Do not immerse in liquid.

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

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

The operator has to make sure that safety-relating and machine-technical installations are to be inspected by a skilled person once a year.

The following points have to be considered during the inspection:

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

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 screwdriver into the slot in the fuse cover. Gently pry up the fuse cover. The fuse will come out.
- 03) Remove the used fuse. If brown or unclear, it is burned out.
- 04) Insert the replacement fuse into the holder where the old fuse was. Reinsert the fuse cover. Be sure to use a fuse of the same type and specification. See the product specification label for details.

Troubleshooting

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 lamp, the fuse.

- 01) Power supply. Check if the unit is plugged into an appropriate power supply.
- 02) The LEDs. Return the Club Par Dizzy to your Showtec dealer.
- 03) The fuse. Replace the fuse. See page 21 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 Club Par Dizzy, 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

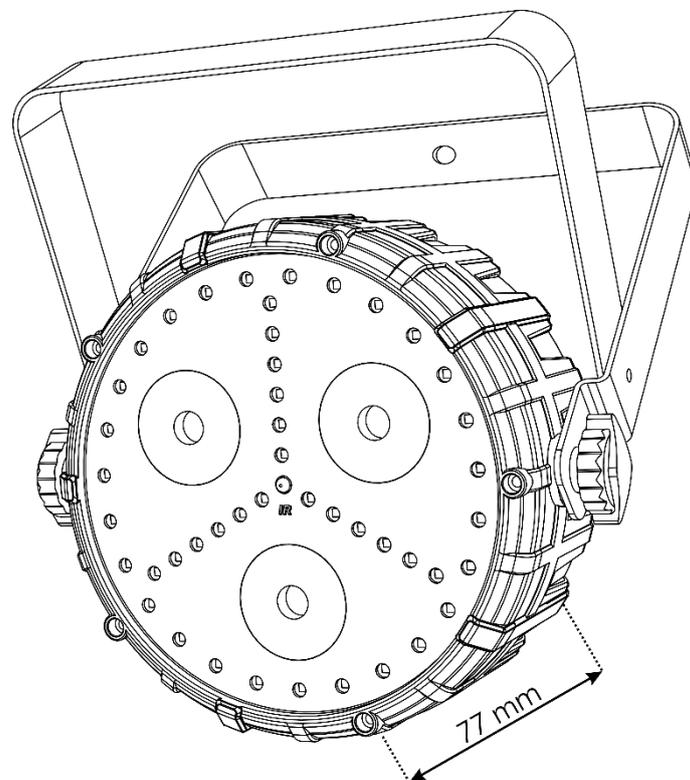
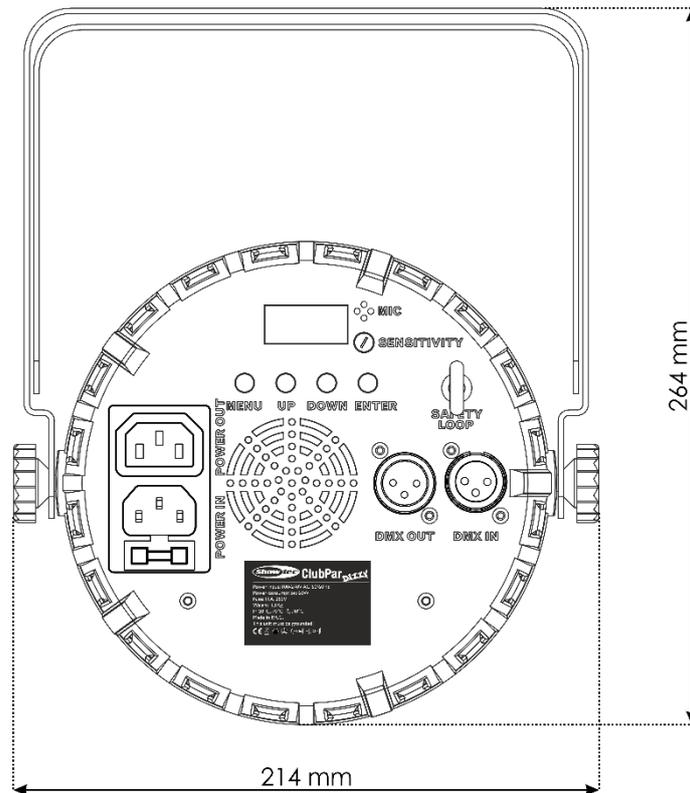
Model	Showtec Club Par Dizzy
Input Voltage:	100~240VAC 50/60Hz
Power consumption:	45W
Fuse:	T1L/250V
Dimensions:	264 x 214 x 77 mm (LxWxH)
Weight:	1,1 kg
Operation and Programming	
Signal pin OUT:	pin 1 earth, pin 2 (-), pin 3 (+)
Set Up and Addressing:	LED control panel
DMX Channels:	3 or 9
Signal input and output:	3-pin XLR male IN + 3-pin XLR female OUT
Power Connection:	IEC IN & OUT
Electro-mechanical effects	
<ul style="list-style-type: none"> • Red 4-digit LED display • DMX-control via standard DMX-controller • Control modes: Auto, Manual, Sound, DMX, Master/Slave • Colors: Red, Green, Blue, UV • Color functions: Rainbow effect • 6 Section RGB Patterns • 10 Section Strobe Ring • Light source: 3 x 8W 4-in-1 RGB+UV LEDs • 27 x 0,5W Cool White SMD LEDs • 18 x 0,5W RGB SMD LEDs • Power linking: Up to 16 Units • Output: 847 lux @ 2m • Housing: Black Metal & Flame-retardant plastic • Double adjustable bracket can be used as a floorstand • IR Remote included • UV Blacklight • Dimmer: 0-100% • Strobe: 0-20Hz • Beam Angle: 22° 	
Max. ambient temperature t_a :	40°C;
Max. housing temperature t_B :	80°C
Cooling:	Cooling fan
Motor:	high quality stepping-motor controlled by microprocessors
Minimum distance	
Minimum distance from flammable surfaces:	0.5 m
Minimum distance to lighted object:	1.3 m

Design and product specifications are subject to change without prior notice



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

Dimensions





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