

IDEA LED BAR 100







Sommario

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KEEP THIS MANUAL FOR FUTURE NEEDS

For your own safety, please read this user manual carefully before installing the device.

| CAUTION | |
|---|---|
|  | Keep this device away from rain and moisture! |
|  | Unplug mains lead before opening the housing |

Every person involved with the installation, operation and maintenance of this device has to

- be qualified
- follow the instructions of this manual

INTRODUCTION:

Thank you for having chosen this professional LED lighting. You will see you have acquired a powerful and versatile device. Unpack the device. Inside the box you should find:

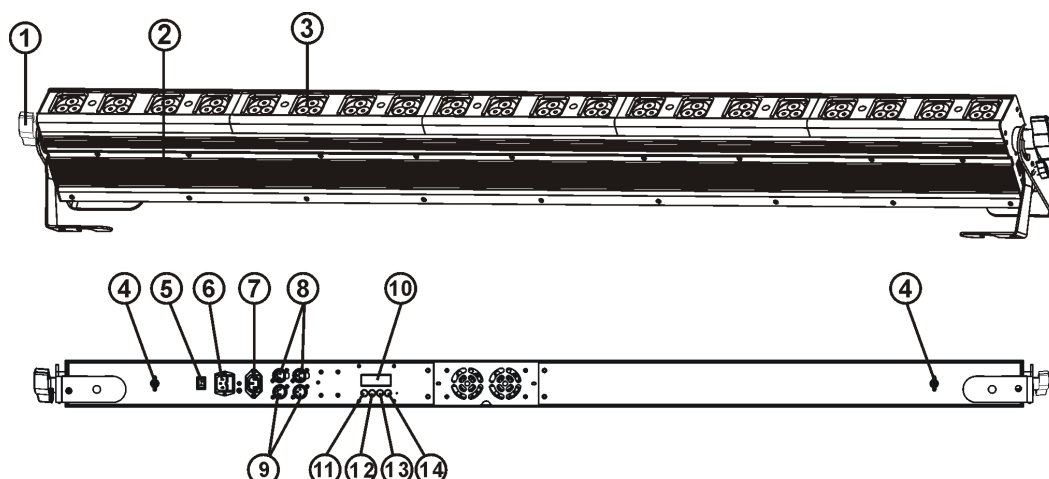
1. The fixture device
2. One XLR connection cable
3. One power cable
4. Two safety rope and this manual

Please check carefully that there is no damage caused by transportation. Should there be any, consult your dealer and don't install this device.

Features

- 50, 000 hours LED life
- Equipped with 60 x 1 W LEDs: 20 x red, 20 x blue, 20 x green
- Display: Can be flipped 180° reverse to fit for different installation position
- Rainbow-effect with adjustable speed
- 3, 4, 6, 15, 60 and 63 DMX channels selectable for numerous applications
- Sound-controlled via built-in microphone
- Stepless RGB colour changing
- Strobe-effect with 1-25 flashes per second
- Advantages of LED-technology: extremely long life, low power consumption, minimal heat emission, defacto maintenance free with brilliant light radiation
- DMX-control via every standard DMX-controller
- Sound-controlled via built-in microphone
- 8 built-in programs can be called up via DMX-controller or dip switches

OVERVIEW



- | | |
|-----------------------|------------------|
| 1: Fixation screw | 8: DMX out |
| 2: Housing | 9: DMX in |
| 3: LEDs | 10: Display |
| 4: Safety eyelet | 11: Menu-button |
| 5: Power switch | 12: Up-button |
| 6: Power input / Fuse | 13: Down-button |
| 7: Power output | 14: Enter-button |

SAFETY INSTRUCTIONS

CAUTION!



Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching wires!

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device. Leave the device switched off until it has reached room temperature.

This device falls under protection-class I. Therefore it is essential that the device should be earthed.

The electric connection must carry out by qualified person.

If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

Make sure that the available voltage is not higher than stated at the end of this manual. Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, it should decrease gradually.

Please don't project the beam onto combustible substances.

Fixtures cannot be installed on combustible substances, keep more than 50cm distance with wall for smooth air flow, so there should be no shelter for fans and ventilation for heat radiation.

CAUTION!

Never touch device during operation! The housing may heat up



Never look directly into the light source, as sensitive persons may suffer an epileptic shock.

Please be aware that damages caused by manual modifications to the device are not subject to warranty. Keep away from children and non-professionals.

Important:

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

GENERAL GUIDELINES

This device is a lighting effect for professional use on stages, in discotheques, theatres, etc. This fixture is only allowed to be operated with the max alternating current which stated in the technical specifications in the last page of this manual, the device was designed for indoor use only. Lighting effects are not designed for permanent operation. Consistent operational breaks may ensure that the device will function properly for a long time.

Do not shake the device. Avoid brute force when installing or operating the device.

The device shall only be used complete with its protective shield.

While choosing the installation-spot, please make sure that the device is not exposed to extreme heat, moisture or dust. The minimum distance between light-output from the projector and the illuminated surface must be more than 1 meter.

Always fix the fixture with an appropriate safety cable if you use the quick lock cam in hanging up the fixture, please make sure the 4 quick lock fasteners turned in the quick lock holes correctly.

Operate the device only after having familiarized with its functions. Do not permit operation by persons not qualified for operating the device. Most damages are the result of unprofessional operation.

Please use the original packaging if the device is to be transported.

For safety reasons, please be aware that all modifications on the device are forbidden.

If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void. Furthermore, any other operation may lead to short-circuit, burns, electric shock, lamp explosion, crash, etc.

If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

INSTALLATION INSTRUCTIONS**CAUTION!**

Do not operate this device with open cover.



Only install the lamp with the device unplugged from the mains.

a) Mounting the device

CAUTION



Please consider the EN 60598-2-17 and the other respective national norms during the installation. The installation must only be carried out by a qualified person.

The installation of the effect has to be built and constructed in a way that it can hold 10 times the weight for 1 hour without any harming deformation.

The installation must always be secured with a secondary safety attachment, e.g. an appropriate safety rope.

Never stand directly below the device when mounting, removing or servicing the fixture.

The operator has to make sure the safety relating and machine technical installations are approved by an expert before taking the device into operation for the first time.

These installations have to be approved by a skilled person once a year.

CAUTION



Before taking into operation for the first time, the installation has to be approved by an expert.

Cautions:

The effect should be installed outside areas where persons may reach it, walk by or be seated.

CAUTION



When installing the device, make sure there is no highly inflammable material within a distance of min. 0,5m

Overhead mounting requires extensive experience, including amongst others calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the device. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.

CAUTION

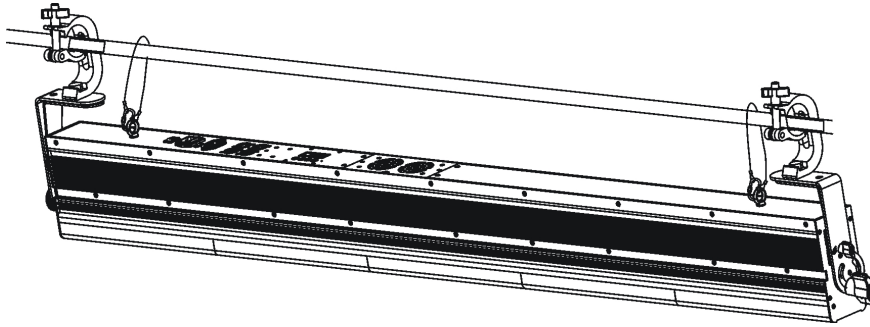


The electric connection must only be carried out by a qualified electrician.

Before mounting make sure that the installation area can hold a minimum point load of 10 times the device's weight.

Connect the fixture to the mains with the power plug

Installation



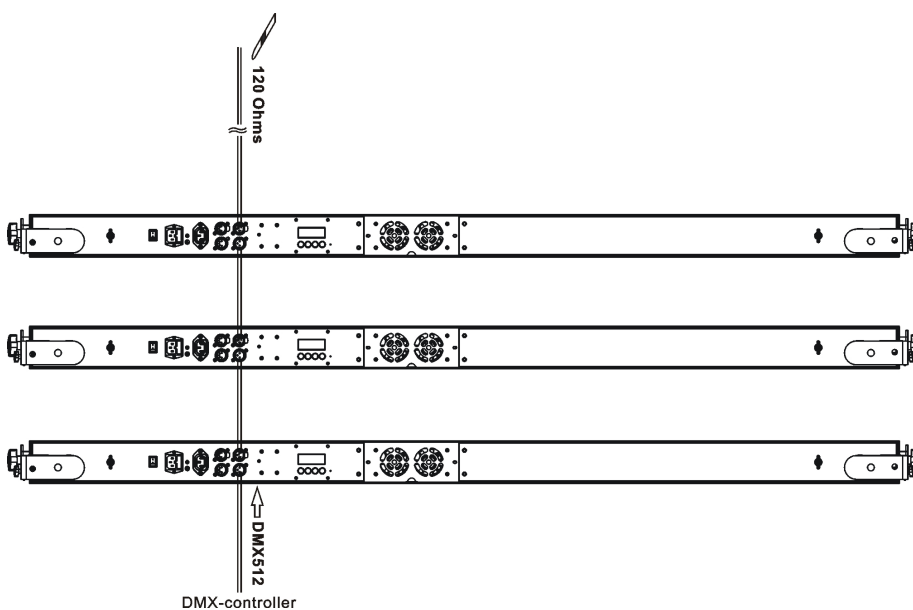
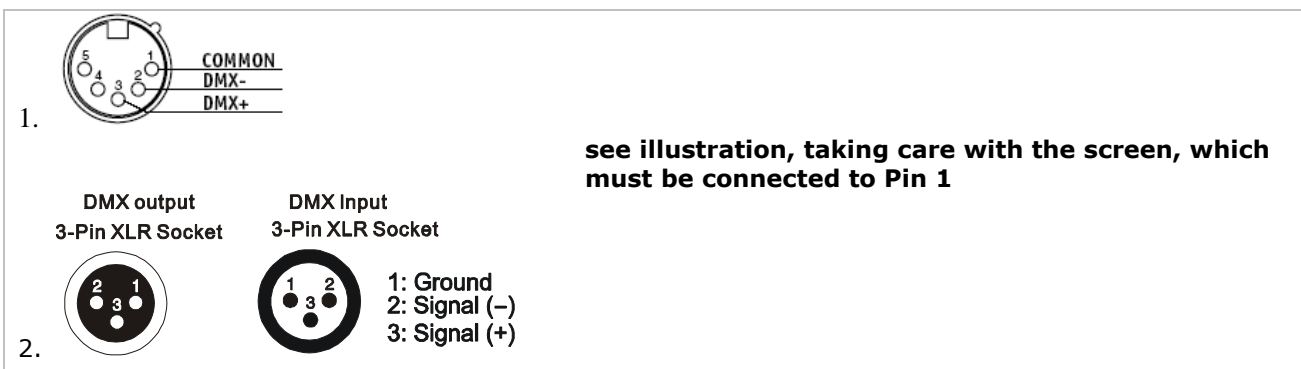
Screw the bolt of the clamp into the hold of the bracket, and tighten the screw underneath.
 Pull the safety-rope through the holes on the bracket of the base and over the trussing system or a safe fixation spot. Insert the end in the carabine and tighten the safety screw.

DMX-512 control connection

The product has a DMX 512 input fitted with standard 5-pin and 3-pin XLR connectors. Screened cables in compliance with EIA RS-485 specifications and the following characteristics must be used for connections:

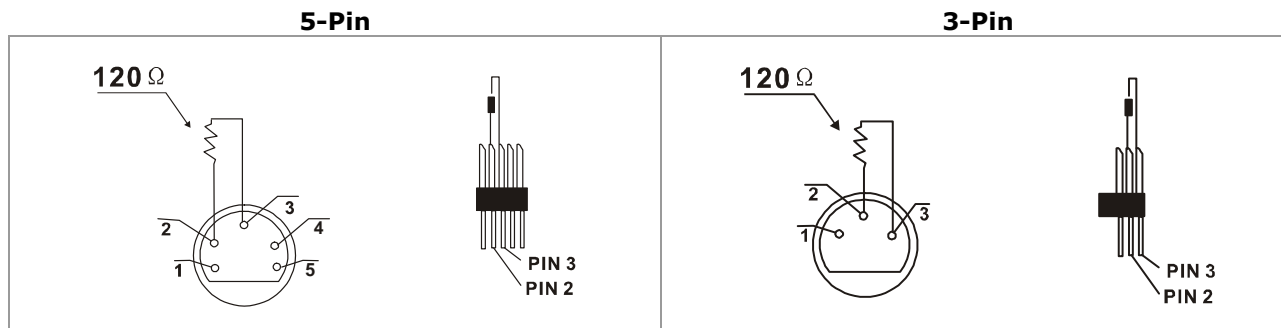
- 2 conductors plus screen
- 120Ohm impedance
- low capacitance
- max. transmission rate 250kBaud.

Cable connections:



DMX-512 connection with DMX terminator

For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a $120\ \Omega$ resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustrations below.

**Please note:**

**to ensure maximal stability, only two devices may be connected together in this manner!
From the third devices, please connect to power supply to get power for the second link.**

Control board

Display menu:

| | | | | | |
|----------------|--------------------|---------------------------|---|--|--|
| MODE (MODE) | ADDR (ADDR) | A001(ADDR) (1-512) | Set the starting DMX address | | |
| | DISP(DISP) | ON/OFF(ON/OFF) | Set the display open or close when no control after 2 minutes | | |
| | FLIP(FLIP) | ON/OFF(ON/OFF) | Set the flip display | | |
| | CHAN (CHAN) | 3 CH (3CH) | 3 DMX CHANNELS (RGB) | | |
| | | 4 CH(4CH) | 4 DMX CHANNELS (RGB+MASTER DIM) | | |
| | | 6 CH(6CH) | 6 DMX CHANNELS | | |
| | | 15 CH(15CH) | 15 DMX CHANNELS | | |
| | | 60 CH(60CH) | 60 DMX CHANNELS | | |
| 63 CH(63CH) | | 63 DMX CHANNELS | | | |
| SLAV(SLAV) | ON/OFF(ON/OFF) | UNIT FUNCTIONS AS SLAVE | | | |
| MANU (MANU) | CNTL(CNTL) | MAST(MASTE) | Fixture will function as a master unit in Master/Slave mode | | |
| | | ALON (ALON) | Fixture will function "Stand Alone" mode | | |
| | BLAC(BLAC) | BLACKOUT - LED OUTPUT OFF | | | |
| | COLR(COLR) | RED(RED) | 0-255 | Manual Mode - Manual setting of RED levels | |
| | | GRN(GRN) | 0-255 | Manual Mode - Manual setting of GREEN levels | |
| BLU(BLU) | | 0-255 | Manual Mode - Manual setting of BLUE levels | | |
| STRB(STRB) | | 0-255 | Manual Mode - Manual setting of STROBE rate | | |
| CHAS (CHAS) | CHS1(CHS1) | SPEDE(SPEDE) | 0-255 | Adjust program 1 speed | |
| | | FADE(FADE) | 0-255 | Adjust program 1 fade time | |
| | | STRB(STRB) | 0-255 | Adjust strobe rate of program 1 | |
| | CHS2(CHS2) | SPEDE(SPEDE) | 0-255 | Adjust program 2 speed | |
| | | FADE(FADE) | 0-255 | Adjust program 2 fade time | |
| | | STRB(STRB) | 0-255 | Adjust strobe rate of program 2 | |
| | CHS3(CHS3) | SPEDE(SPEDE) | 0-255 | Adjust program 3 speed | |
| | | FADE(FADE) | 0-255 | Adjust program 3 fade time | |
| | | STRB(STRB) | 0-255 | Adjust strobe rate of program 3 | |
| | CHS4(CHS4) | SPEDE(SPEDE) | 0-255 | Adjust program 4 speed | |
| | | FADE(FADE) | 0-255 | Adjust program 4 fade time | |
| | | STRB(STRB) | 0-255 | Adjust strobe rate of program 4 | |
| | CHS5(CHS5) | SPEDE(SPEDE) | 0-255 | Adjust program 5 speed | |
| | | FADE(FADE) | 0-255 | Adjust program 5 fade time | |
| | | STRB(STRB) | 0-255 | Adjust strobe rate of program 5 | |



| | | | | | | | |
|----------------|------------|---------------|-------------------------|--|------|-------------------------------|--|
| | CHS6(CHS6) | SPEED(SPEED) | 0-255 | Adjust program 6 speed | | | |
| | | FADE(FADE) | 0-255 | Adjust program 6 fade time | | | |
| | | STRB(STRB) | 0-255 | Adjust strobe rate of program 6 | | | |
| | CHS7(CHS7) | SPEED(SPEED) | 0-255 | Adjust program 7 speed | | | |
| | | FADE(FADE) | 0-255 | Adjust program 7 fade time | | | |
| | | STRB(STRB) | 0-255 | Adjust strobe rate of program 7 | | | |
| | CHS8(CHS8) | SPEED(SPEED) | 0-255 | Adjust program 8 speed | | | |
| | | FADE(FADE) | 0-255 | Adjust program 8 fade time | | | |
| | | STRB(STRB) | 0-255 | Adjust strobe rate of program 8 | | | |
| SOND (SOND) | CTRL(CTRL) | MAST(MAST) | | Sound-controlled run as Master | | | |
| | | ALON(ALON) | | Sound-controlled run in Stand Alone | | | |
| | MIC(MIC) | M-XX(M-00-99) | | Microphone sensitivity | | | |
| SCEN (SCEN) | EDIT(EDIT) | BOAR(BOAR) | SCXX | SC-R | RXXX | Choose Scene Set RGB Value | |
| | | | | GC-R | GXXX | | |
| | | | | BC-R | BXXX | | |
| | | CONT(CONT) | SCXX | Edit scenes via controller | | | |
| | PLAY(PLAY) | STAR(STAR) | | Run Scene | | | |
| | | FIRS(FIRS) | SCXX | Set Starting Scene | | | |
| | | END(END) | SCXX | Set Ending Scene | | | |
| SPEED(SPEED) | | XXX | Set Scenes Speed | | | | |
| | FADE(FADE) | XXX | Set Scenes Fading Speed | | | | |
| OTHR (OTHR) | DIMR(DIMR) | MOD1(MOD1) | | Standard - Fixture will function with a stepping dimmer rate | | | |
| | | MOD2(MOD2) | | Linear - Fixture will function with a dimming rate of 0~100% | | | |
| | LOAD(LOAD) | YES(YES) | | Reset to Fixture to the Factory Default Settings | | | |
| | VER(VER) | V X.X(V1.5) | | "X.X" will represent the fixture's current firmware version | | | |

Remarks:

1. If the fixture does not receive a DMX signal the menu display will flash repeatedly.
2. SPEED: Adjust the hold time for each scene in built-in chase programs.
3. FADE: Adjust the fade time between each scene in the built-in programs.

INSTRUCTIONS ON USE:

DMX channel´s functions and their values (3 DMX channels):

Channel 1 - Red :

0-255 Red (0-Black , 255-100% Red)

Channel 2 - Green:

0-255 Green (0-Black , 255-100% Green)

Channel 3 - Blue:

0-255 Blue (0-Black , 255- 100% Blue)

DMX channel´s functions and their values (4 DMX channels):

Channel 1 - Red :

0-255 Red (0-Black , 255-100% Red)

Channel 2 - Green:

0-255 Green (0-Black , 255-100% Green)

Channel 3 - Blue:

0-255 Blue (0-Black , 255- 100% Blue)

Channel 4 - General dimming:

0-255 Dimming (0-Black , 255- 100%)

DMX channel´s functions and their values (6 DMX channels):

Channel 1 - Red :

0-255 Red (0-Black , 255-100% Red)

Channel 2 - Green:

0-255 Green (0-Black , 255-100% Green)

Channel 3 - Blue:

0-255 Blue (0-Black , 255- 100% Blue)

Channel 4 - internal programs:

| | |
|---------|--------------------|
| 0-10 | |
| 11-40 | internal program 1 |
| 41-70 | internal program 2 |
| 71-100 | internal program 3 |
| 101-130 | internal program 4 |
| 131-160 | internal program 5 |
| 161-190 | internal program 6 |
| 191-220 | internal program 7 |
| 221-255 | internal program 8 |

Channel 5 - Strobe:

| | |
|---------|-----------------------------------|
| 0 | No function (shutter open) |
| 1-95 | Strobe effect slow to fast |
| 96-127 | No function (shutter open) |
| 128-159 | Pulse-effect in sequences |
| 160-191 | No function (shutter open) |
| 192-223 | Random strobe effect slow to fast |
| 224-255 | No function (shutter open) |

Channel 6 - General dimming/speed:

0-255 dimming(0-Black , 255- 100%)
speed from slow to fast /when running internal programs

DMX channel´s functions and their values (15 DMX channels):

Channel 1-12 - each 5 LED dimming:

0-25 dimming(0-Black , 255- 100%)

Channel 13 - internal programs:

| | |
|---------|--------------------|
| 0-10 | |
| 11-40 | internal program 1 |
| 41-70 | internal program 2 |
| 71-100 | internal program 3 |
| 101-130 | internal program 4 |
| 131-160 | internal program 5 |
| 161-190 | internal program 6 |
| 191-220 | internal program 7 |
| 221-255 | internal program 8 |

Channel 14 - Strobe:

| | |
|---------|-----------------------------------|
| 0 | No function (shutter open) |
| 1-95 | Strobe effect slow to fast |
| 96-127 | No function (shutter open) |
| 128-159 | Pulse-effect in sequences |
| 160-191 | No function (shutter open) |
| 192-223 | Random strobe effect slow to fast |
| 224-255 | No function (shutter open) |

Channel 15 - General dimming/speed:

0-255 dimming (0-Black , 255- 100%)
speed from slow to fast /when running internal programs

DMX channel´s functions and their values (60 DMX channels):

Channel 1-60 - each LED dimming:

0-25 dimming(0-Black , 255- 100%)

DMX channel´s functions and their values (63 DMX channels):

Channel 1-60 - each LED dimming:

0-25 dimming(0-Black , 255- 100%)

Channel 61 - internal programs:

| | |
|---------|--------------------|
| 0-10 | |
| 11-40 | internal program 1 |
| 41-70 | internal program 2 |
| 71-100 | internal program 3 |
| 101-130 | internal program 4 |
| 131-160 | internal program 5 |
| 161-190 | internal program 6 |
| 191-220 | internal program 7 |
| 221-255 | internal program 8 |

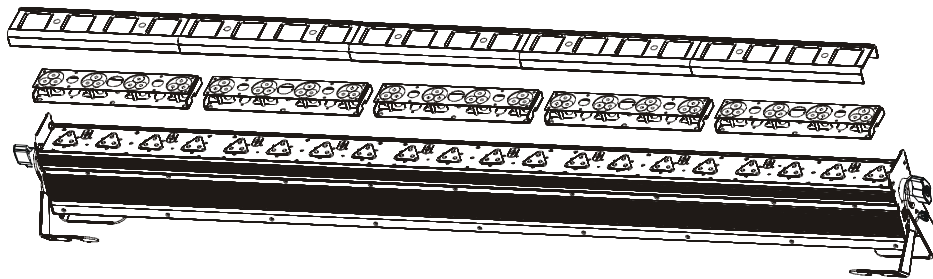
Channel 62 - Strobe:

| | |
|---------|-----------------------------------|
| 0 | No function (shutter open) |
| 1-95 | Strobe effect slow to fast |
| 96-127 | No function (shutter open) |
| 128-159 | Pulse-effect in sequences |
| 160-191 | No function (shutter open) |
| 192-223 | Random strobe effect slow to fast |
| 224-255 | No function (shutter open) |

Channel 63 - General dimming/speed:

0-255 dimming (0-Black , 255- 100%)
speed from slow to fast /when running internal programs

CHANGE LENS WITH DIFFERENT ANGLES



CLEANING AND MAINTENANCE

The following points have to be considered during the inspection:

1. All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.
2. There must not be any deformations on the housing, color lenses, fixations and installation spots (ceiling, suspension, trussing).
3. Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.
4. The electric power supply cables must not show any damage, material fatigue or sediments.
Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.
5. How to clean dust-proof filter:
To prevent from blocking ventilation system. Please clean the dust-proof filter termly. the clean procedure is shown as bellow: (three months per clean time).

CAUTION!



Disconnect from mains before starting maintenance operation.

INSTALLATION

This device is only constructed for a standing installation. The device must only be installed absolutely planar at a vibration-free, oscilation-free and fire-resistant location. Make sure that the device is installed absolutely planar by using a water-level.

TECHNICAL SPECIFICATIONS

Power supply: 100V~240V AC, 50Hz / 60Hz~

Power consumption: max. 250 W

Packing dimensions: 16,7 (22,6)x176,3x8,0 CM

Net weight: 13.4KGS

Gross weight: 15.36KGS

Remark: errors and omissions for every information given in this manual excepted. All information is subject to change without prior notice.