

# Cyclone 1320

*-Strobe,Blinder,Flood and Wash Light*

## User Manual



Thanks for choosing our goods please read this manual carefully  
before your operating and keep this manual for future needs

Thank you for purchasing Cyclone 1320, Every unit has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your fixture for any damage and be sure all accessories necessary to operate the unit has arrived intact. In the case damage has been found or parts are missing, please contact the manufacturer or your dealer for further instructions. You now own a professional lighting unit that offers endless possibilities.

For your own safety and that of others, please read this instruction manual carefully before installing the unit.

Anyone involved in installing, operating or servicing the Super Beam 60

must: • **Be a qualified, authorized professional**

• **Strictly follow the instructions in this user manual.**

Please take the time to read this manual carefully and thoroughly before installing and operating the luminaire. You should have a good knowledge of its operating conditions and all pertinent product information.

After you have become familiar with this manual, we recommend that you keep a copy for future use. All the information found in this manual

is subject to change without notice. We reserves the right to modify and upgrade its range of products, with no obligation to integrate these changes into products already sold.

### **Warning**

- To prevent or reduce the risk of electrical shock or fire ,do not expose the unit to rain or moisture.
- Do not open the unit within five minutes after switching off.
- Please consider that damages caused by manual modifications to the device are not subject to warranty.

### **Installation**

The unit should be mounted via its screw holes on the bracket.Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating.And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit’ s weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.

The equipment must be fixed by professionals.And it must be fixed at a place where is out of the touch of people and has no one pass by or under it.

## **Specifications and Features:**

- DMX Channel: 4/6/10/18(RGBW);3/6/9/18(RGB)
- 4 Dimmer Curve
- IP rated: IP65
- LED Source: 1320pcs 5050 SMD RGBW(RGB) LED
- Compact housing with mounting bracket and fixation screw
- Dynamic macro effect
- LCD display for addressing and special functions settings
- Control: DMX,Stand-alone,Master/Slave
- Electronic supply with active PFC
- Strobe:1-30Hz,variable flash rate,intensity and duration
- Can use as blinder, flood light, wash light and strobe Light
- Locking possibility at the brackets with large mental butterfly screws
- Power Input: AC90~240V,50/60HZ
- Power: Max 1200W
- Wide beam angle(120°)
- Product Size: 256x21x32m
- Carton Size: 58x22x34mm
- Net Weight: 10.5 KG
- Gross Weight: 12KG

## Product View



## Menu Operation



- Menu : Main menu, choose the function
- Enter: Enter into the function and confirm
- UP: Choose the UP data
- DOWN: Choose the Down data



Warning! Read safety information before connecting the Cyclone 1320 LED to AC mains power.



Warning! For protection from electric shock, the Cyclone 1320 must be grounded (earthed). The power distribution circuit must be equipped with a fuse or circuit breaker and ground-fault (earth-fault) protection.

Warning! Socked outlets or external power switches used to supply the Cyclone 1320 with power disconnected from power.

Important! Do not use an external dimming system to supply power to the Cyclone 1320, as this may cause damage to the fixture that is not covered by the product warranty.

## Power Voltage



Warning! Check that the voltage range specified on the fixture serial number label matches the local AC mains power voltage before applying power to fixture.

The Cyclone 1320 has an auto-ranging power supply that accepts mains power at 100-240VAC nominal, 50/60Hz, do not apply AC mains power at any other voltage or frequency to the fixture.

The Cyclone 1320 can draw significant peak currents during normal use, to avoid overload, allow one 16 or 20amp branch circuit per fixture to operate at full power, two fixtures may be placed on a 16 amp branch circuit, but considerations for the type of MCB (Miniature Circuit Breaker) must also be respected: 16 A type C will fit most needs.

## Power cable and Power plug

The Cyclone 1320 power input cable must meet the requires listed under Protection from electric shock, keep cable runs as short as possible.

If you install a power plug on the power cable for connection to an AC power outlet, install a grounding-type plug with an integral cable grip that is rated 250V, 20A minimum, in the EU the plug must be rated 250V, 16A minimum, follow the plug manufactures instructions, the table shows standard wire color-coding schemes and some possible pin identifications schemes; if pins are not clearly identified, or if you have any doubts about proper installation, consult a qualified electrician.

Wire Color (EU models)	Wire color (US models)	Conductor	Symbol	Screw(US)
Brown	Black	Live	L	Yellow or brass
Blue	White	Neutral	N	Silver
Yellow/Green	Green	Ground(Earth)		Green

Table: Wire color-coding and power connections

## DATA link



*Warning! Read safety information before installing, powering, operating or servicing the Cyclone 1320.*

A DMX 512 data link is required in order to control the Cyclone 1320 via DMX.

The Cyclone 1320 has 3-pin XLR connectors for DMX data input and output, the pin-out on all connectors is PIN 1=shield, PIN 2= Cold(-), and PIN 3=hot(+).

Note that if independent control of a fixture is required, it must have its own DMX channels, fixtures that are required to behave identically can share the same DMX channels.

You may connect up to 4 Cyclone 1320 on one daisy Chained DMX link, to add more fixtures when the above limit is reached, create a new DMX universe and another daisy-chained link. Tips for reliable data transmission

Use shielded twisted-pair cable designed for devices: standard microphone cable cannot transmit control data reliably over long runs.

### Connecting the data link

To connect the Cyclone 1320 to data:

Connect the DMX data output from the controller to the closest Cyclone 1320 3-pin XLR DMX input connector.

## Installation

### Overhead rigging

The installation of the device 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 catch net, this secondary safety attachment must be constructed in a way that no part of the installation can fall down if the main attachment fails.

When rigging, servicing the device staying in the area below the installation place, on bridges, under high working places and other endangered areas is forbidden.

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

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

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

### Procedure:

The device should be installed outside areas where persons may walk by or be seated.

**IMPORTANT: OVERHEAD RIGGING REQUIRES EXTENSIVE EXPERIENCE,** including (but not limited to) 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, but instead use a professional structural rigger, improper installation can result in bodily injury and or damage to property.

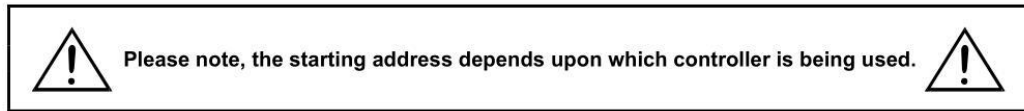
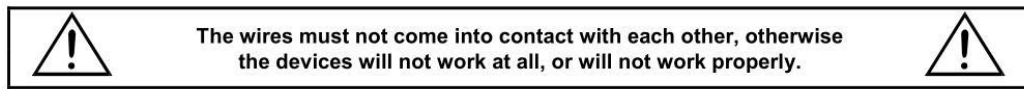
The device has to be installed out of the reach of people.

If the device shall be lowered from the ceiling or high joists, professional trussing systems have to be used, the device must never be fixed swinging freely in the room.

Caution: Device in hanging installations may cause severe injuries when crashing down! If you have doubts concerning the safety of a possible installation, do NOT install the device!

Before rigging make sure that the installation area can hold a minimum point load of 10 times the devices weight.

## DMX 512 control



Only use a DMX cable and 3-pin XLR plugs and connectors in order to connect the controller with the fixture or one fixture with another.

Occupation of the XLR connection:

DMX-output  
XLR mounting-socket



DMX-input  
XLR mounting-plug



If you are using controllers with this occupation, you can connect the DMX output of the controller directly with the DMX input of the first device in the DMX chain. If you wish to connect DMX controllers with other XLR outputs, you need to use adapter cables.

### Building a serial DMX chain:

Connect the DMX output of the first device in the DMX chain with the DMX input of the next device, always connect one output with the input of the next device until all devices are connected.

Caution: At the last fixture, the DMX cable has to be terminated, Plug the terminator with a 120 Resistor between Signal(-) and Signal(+) in the DMX output of the last fixture.

### Connection with the mains

Connect the device to the mains with the power-Plug.

The occupation of the connection-cables is as follows:

Cable	Pin	International
Brown	Live	L
Yellow	Earth	



## **The earth has to be connected!**

If the device will be directly connected with the local power supply network, a disconnection switch with a minimum opening of 3mm at every pole has to be included in the permanent electrical installation.

The device must only be connected with an electric installation carried out in compliance with the IEC-standards, the electric installation must be equipped with RCD with a maximum fault current of 20mA.

Lighting effects must not be connected to dimming-packs.

### **Strobe effects:**

The Cyclone 1320 offers strobes effects from the beam with variable flash rate, flash duration and intensity. It also offers the following pre-programmed effects:

- Ramp up/down intensity modulation effects
- Random flashes
- Lightning-simulates the instantly recognizable dirty flash or a lightning strike
- Spikes-low-intensity light output with high-intensity flashes.

### **Blinder effects**

To obtain a continuous blinder effect, set flash duration to a long value and flash rate to a high frequency value so that flashes overlap and merge into continuous light output.

Several built-in programming

## **Operation**

After you connected the Cyclone 1320 to the mains, it starts running.

The LED display lights up and you can choose the desired mode via the buttons MODE, UP, DOWN and ENTER.

The device has two operating modes, it can be operated in stand alone via LED display with operating buttons or in DMX controlled mode via lighting controller.

Stand-alone Mode: In the stand-alone mode, the device can be used without a controller, disconnect the device from the controller.

### **Master/Slave operation**

The master/slave operation enables that several devices can be synchronized and controlled by one master device.

On the rear panel of the device you can find an XLR jack and an XLR plug, which can be used for connecting several devices.

Choose the device which is to control the effects, this device then works as master device and controls all other slave devices, which are to be connected to the master device via a DMX-cable, connect the OUT jack with the IN plug of the next device.

Set the desired Master mode for the master-device and set the DMX address 001 for all slave-devices.

**DMX address:**

After select the Address and press Enter ,use Up and Down button to select the desired DMX address,press Enter to save new setting.

**DMX modes:**

After select the Channel and press Enter ,use Up and Down button to select the desired DMX channel mode, press Enter to save new setting.

**Manual Mode:**

After select the Manual" and press Enter ,use Up and Down button to select the block intensity from 000 to 255.Then select strobe speed from 000 to 255, press Enter" to save new setting.

**Auto Mode:**

This fixture has 18 built-in programs. Entered "Auto" mode, use Up and Down button to select the built-in program,"Auto 1 ~ Auto 18", then press the "Enter" to confirm. Use Up and Down button to select the operating speed of the program from 000 to 255, press Enter" to save new setting.

**Effect on Auto:**

Use Effect on Auto to switch on dimmer and strobe function to auto mode. Entered Effect on Auto mode, use Up and Down button to select dimmer level, then press the "Enter" to confirm. Use Up and Down button to select strobe speed from 000 to 255, press Enter" to save new setting.

**Controlling:**

After having addressed the Cyclone 1320,you may now start operating it via your lighting controlled,please be sure that you don't have any overlapping channels in order to control each fixture correctly and independently from any other fixture on the DMX-chain,if several fixtures are addressed similarly,they will work synchronically.

Please see the following DMX protocol graphic for the respective channel values.

**Note:**

After switching on,the device will automatically detect whether DMX 512 data is received or not,if there is data received at the DMX-input,a \* on the display will not blink,if there is no data received,the \* will blink on display.

## DMX protocol(RGBW)

### 4-Channel DMX mode

Channel	DMX Value	Description
Channel 1	0 ~ 255	Red
Channel 2	0 ~ 255	Green
Channel 3	0 ~ 255	Blue
Channel 4	0 ~ 255	White

### 6 Channel DMX mode

Channel	DMX Value	Description
Channel 1	000~255	Dimmer
Channel 2	000~255	Intensity of Flash
Channel 3	000~255	Flash
Channel 4	000~255	Random strobe
Channel 5	000~255	Special effect
Channel 6	000~255	Speed of effect

### 10 Channel DMX mode

Channel	DMX Value	Description
Channel 1	000~255	Dimmer
Channel 2	000~255	Red
Channel 3	000~255	Green
Channel 4	000~255	Blue
Channel 5	000~255	White
Channel 6	000~255	Intensity of Flash
Channel 7	000~255	Flash
Channel 8	000~255	Random strobe
Channel 9	000~255	Special effect
Channel 10	000~255	Speed of effect

### 18 channel DMX mode

Channel	DMX Value	Description
Channel 1	000~255	Dimmer
Channel 2	000~255	Red area 1
Channel 3	000~255	Red area 2
Channel 4	000~255	Red area 3
Channel 5	000~255	Green area 1
Channel 6	000~255	Green area 2
Channel 7	000~255	Green area 3
Channel 8	000~255	Blue area 1
Channel 9	000~255	Blue area 2
Channel 10	000~255	Blue area 3
Channel 11	000~255	White area 1
Channel 12	000~255	White area 2
Channel 13	000~255	White area 3
Channel 14	000~255	Intensity of Flash
Channel 15	000~255	Flash
Channel 16	000~255	Random strobe
Channel 17	000~255	Special effect
Channel 18	000~255	Speed of effect

### Extended DMX Mode(RGB)

#### 3 DMX Channel:

Channel	DMX Value	Description
Channel 1	0 ~ 255	Red
Channel 2	0 ~ 255	Green
Channel 3	0 ~ 255	Blue

**6 Channel:**

Channel	DMX Value	Description
Channel 1	000~255	Dimmer
Channel 2	000~255	Intensity of Flash
Channel 3	000~255	Flash
Channel 4	000~255	Random strobe
Channel 5	000~255	Special effect
Channel 6	000~255	Speed of effect

**9 Channel:**

Channel	DMX Value	Description
Channel 1	000~255	Dimmer
Channel 2	000~255	Red
Channel 3	000~255	Green
Channel 4	000~255	Blue
Channel 5	000~255	Intensity of Flash
Channel 6	000~255	Flash
Channel 7	000~255	Random strobe
Channel 8	000~255	Special effect
Channel 9	000~255	Speed of effect

**18 DMX Channel:**

Channel	DMX Value	Description
Channel 1	0 ~ 255	Dimmer
Channel 2	0 ~ 255	Red 1
Channel 3	0 ~ 255	Red 2
Channel 4	0 ~ 255	Red 3
Channel 5	0 ~ 255	Red 4
Channel 6	0 ~ 255	Green 1
Channel 7	0 ~ 255	Green 2

Channel 8	0 ~ 255	Green 3
Channel 9	0 ~ 255	Green 4
Channel 10	0 ~ 255	Blue 1
Channel 11	0 ~ 255	Blue 2
Channel 12	0 ~ 255	Blue 3
Channel 13	0 ~ 255	Blue 4
Channel 14	0 ~ 255	Intensity of Flash
Channel 15	0 ~ 255	Flash
Channel 16	0 ~ 255	Random strobe
Channel 17	0 ~ 255	Special effect
Channel 18	0 ~ 255	Speed of effect

## Troubleshooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

1. The unit does not work, no light and the fan does not work
  - a. check the connection of power and main fuse.
  - b. Measure the mains voltage on the main connector.
  - c. Check the power on Led.
2. Not responding to DMX controller
  - a. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
  - b. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
  - c. If you have intermittent DMX signal problems, check the pins on

connectors or on PCB of the unit or the previous one.

- d. Try to use another DMX controller.
  - e. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.
3. Some units don't respond to the easy controller
- a. You may have a break in the DMX cabling. Check the LED for the response of the master/slave mode signal.
  - b. Wrong DMX address in the unit .Set the proper address.
4. One of the channels is not working well
- a. The stepper motor might be damaged or the cable connected to the PCB is broken.
  - b. The motor's drive IC on the PCB might be out of condition
5. Fixture Cleaning

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates :damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

- a. Clean with soft cloth using normal glass cleaning fluid.
- b. Always dry the parts carefully.

## **Warranty**

The Cyclone 1320 fixture is guaranteed against manufacturing defects for the duration of one (1) year from the date of purchase.

This warranty does not cover the unit for evidence of physical shock or damage caused by abuse or any use not in accordance with the operating conditions set forth in the present user manual.

In addition, cosmetic defects caused by the normal wear and tear of the unit are not covered under the warranty.

Any modification to the fixture will void the warranty. We cannot under any circumstances be held liable for quality and conformity regarding the installation of this product, which is the responsibility of the installer. the device and before use, may be covered by the warranty.

The manufacturer is not responsible for any errors or omissions that may occur in this document. All information contained in this manual is subject to change without notice.