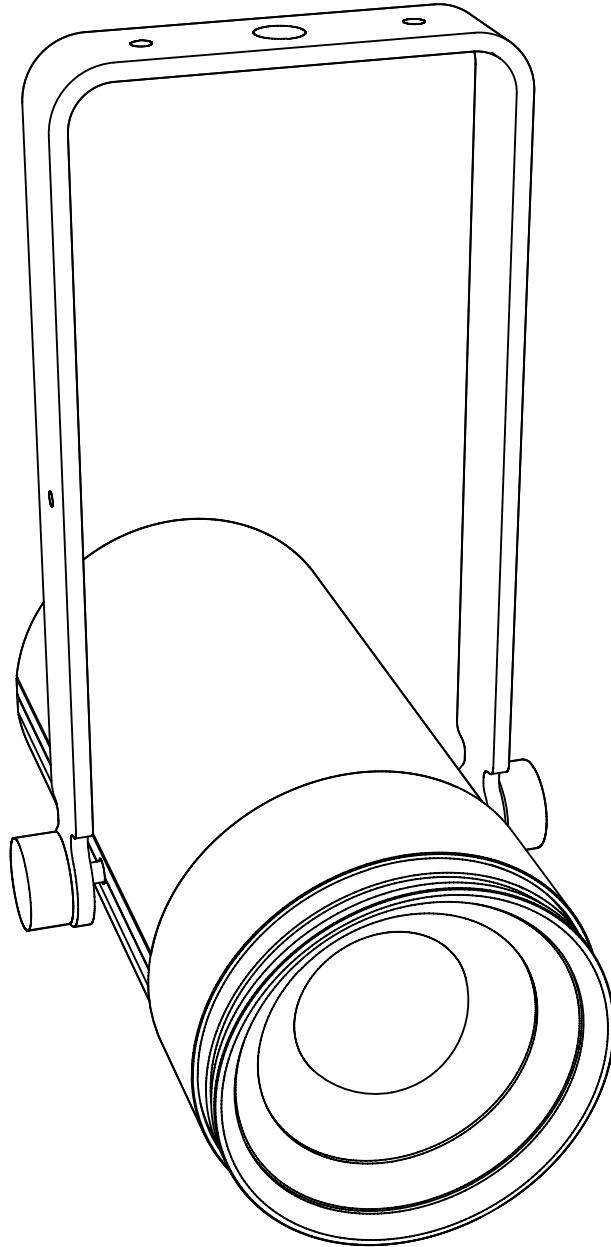


# ART 50C WASH

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50W RGBL LED fresnel zoom



## USER MANUAL

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## Caution!



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



Avoid looking directly into the light source!

Wear protective glasses and other PPE (personal protective equipment) when working on or near the fixture.



Always make sure you are connecting this product to the proper voltage in accordance with the specifications in this manual or on the product's specification label. Make sure it is grounded when using it!

Unplug mains lead before opening the housing!

Make sure that the power cord is never crimped or damaged by sharp edges. Check the fixture and the powercord from time to time.

Make sure to replace the fuse with another of the same type and rating.



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

Follow operating safety precautions and pay attention to warning signs methods and equipment on the user manual.



Warning! This symbol indicates a hot surface. Certain parts of the housing can become hot during operation. After use, wait for a cool-down period of at least 10 minutes before handling or transporting the device.



T = 45°C

Indoor use only! To prevent risk of fire or shock, do not expose this product to rain or moisture. IP 20 rating.

The ambient temperature must always be between -5° C and +45° C.

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

- be qualified
- follow the instructions of this manual
- consider this manual to be part of the total product
- keep this manual for the entire service life of the product
- pass this manual on to every further owner or user of the product
- download the latest version of the user manual from the Internet

## Introduction

Thank you for having chosen Art 50C wash. You will see you acquired a powerful and versatile device. Unpack your item. Before you 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.

## Safety instructions

This device has left our premises in absolutely 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. Always disconnect from the mains, when the device is not in use or before cleaning it. Keep away children and amateurs from the device! There are no serviceable parts inside the device. Maintenance and service operations are only to be carried out by authorized dealers.

## Installation

### **Read 'Safety information' before installing the fixture.**

The fixture is designed for indoor use only and must be used in a dry location with adequate ventilation. Ensure that none of the fixture's ventilation slots are blocked.

Fasten the fixture to a secure structure or surface. Do not stand it on a surface or leave it where it can be moved or fall over. If you install the fixture in a location where it may cause injury or damage if it falls, secure it as directed in this user manual using a securely anchored safety cable that will hold the fixture if the primary fastening method fails.

### **Fastening the fixture to a flat surface**

The fixture can be fastened to a hard, fixed, flat surface that is oriented at any angle. Ensure that the surface and all fasteners used can support at least 10 times the weight of all fixtures and equipment to be installed on it.

Fasten the fixture securely. Do not stand it on a surface or leave it where it can be moved or fall over. If you install the fixture in a location where it may cause injury or damage if it falls, secure it as directed below with a securely anchored safety cable that will hold the fixture if the primary fastening method fails.

### **Mounting the fixture on a truss**

The fixture can be clamped to a truss or similar rigging structure in any orientation. When installing the fixture hanging vertically down, you can use an open-type clamp such as a G-clamp. When installing in any other orientation, you must use a half-coupler clamp that completely encircles the truss chord.

To clamp the fixture to a truss:

1. Check that the rigging structure can support at least 10 times the weight of all fixtures and equipment to be installed on it.
2. Block access under the work area.
3. Fold the legs of the mounting bracket together and bolt a rigging clamp securely to the mounting bracket. The bolt used must be M8. It must pass through both mounting bracket legs and be fastened with a self-locking nut.
4. Working from a stable platform, hang the fixture with its clamp on the truss and fasten the clamp securely.
5. Secure the fixture with a safety cable as directed below.

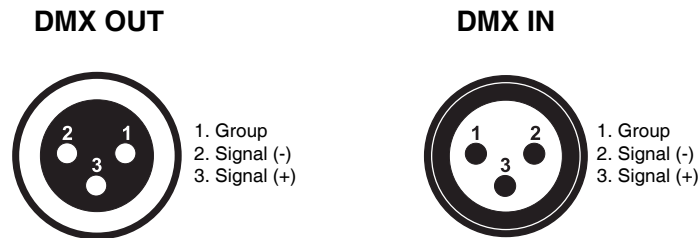
### **Securing with a safety cable**

Secure the fixture with a safety cable (or other secondary attachment) that is approved for the weight of the fixture so that the safety cable will hold the fixture if a primary attachment fails.

Loop the safety cable through the eyebolt in the back of the fixture and around a secure anchoring point. Do not loop the safety cable around the fixture's mounting bracket only, as this will leave the fixture unsecured if it separates from the bracket.

### **DMX-512 connection/connection between fixtures**

Occupation of the XLR-connection:



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 fixture 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 fixture in the DMX-chain with the DMX-input of the next fixture. Always connect one output with the input of the next fixture until all fixtures are connected.

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 resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain.

**Caution:** At the last fixture, the DMX-cable has to be terminated with a terminator. Solder a 120  $\Omega$  resistor between Signal (-) and Signal (+) into a 3-pin XLR-plug and plug it in the DMX-output of the last fixture.

## Power connection

Power Requirements

The Art 50C wash luminaire operates on 100 to 240 volts AC (+/- 10%, auto-ranging). The luminaire contains an auto-ranging power supply.

Connection with the mains:

Connect the device to the mains with the enclosed power supply cable.

The occupation of the connection cables as below:

| Cable color  | Connection    | International                                                                       |
|--------------|---------------|-------------------------------------------------------------------------------------|
| Brown        | Live          | L                                                                                   |
| Blue         | Neutral       | N                                                                                   |
| Yellow/green | Earth(Ground) |  |

## Operation

The Art 50C wash can operate in three different modes. In each mode you can run the fixture as a stand alone fixture or in a master/slave configuration. This next section will detail the differences in the operating modes.

### Addressing

All fixtures should be given a DMX starting address when using a DMX signal, so that the correct fixture responds to the correct control signals. This digital starting address is the channel number from which the fixture starts to listen to the digital control information sent out from the DMX controller. The allocation of this starting address is achieved by setting the correct number on the display located on the

base of the device.

You can set the same starting address for all fixtures or a group of fixtures, or make different address for each fixture individually.

If you set the same address, all the units will start to listen to the same control signal from the same channel number. In other words, changing the settings of one channel will affect all the fixtures simultaneously.

If you set a different address, each unit will start to listen to the channel number you have set, based on the quantity of control channels of the unit. That means changing the settings of one channel will affect only the selected fixture.

In the case of the Art 50C wash , which is 4/6/8 channels fixture. If you set, for example, the address in the 2 channel mode to channel 2, the device will use the channel 2 to channel 3 for control.

**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, the dot in the display will flash.

### Universal DMX Control

This function allows you to use a universal DMX-512 controller to control the dimmer and strobe. A DMX controller allows you to create unique programs tailored to your individual needs.

## Control Menu Map

| MENU | SUB MENU  | OPERATION                                                                                                                                   |
|------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------|
| A001 | 001-512   | address code                                                                                                                                |
| Chnd | 4CH       | 4 channel mode                                                                                                                              |
|      | 6CH       | 6 channel mode                                                                                                                              |
|      | 8CH       | 8 channel mode                                                                                                                              |
| FAIL | bLnd      | Data is not maintained (black field)                                                                                                        |
|      | HOLd      | data retention                                                                                                                              |
| CL01 | CL01–CL15 | 15 static color mixing modes, color selection with up and down keys. Strobe mode St00-St16 after confirmation, adjust with up and down keys |
| AUT0 | AUT0      | All effect modes                                                                                                                            |
|      | AUT1      | Color-changing self-propelled mode                                                                                                          |
|      | AUT2      | Gradient self-propelled mode                                                                                                                |
|      | AUT3      | Mutant self-propelled mode                                                                                                                  |
|      | AUT4      | Color-changing strobe self-propelled mode                                                                                                   |
| SOU0 | SOU0      | All voice control modes                                                                                                                     |
|      | SOU1      | Color-changing voice control mode                                                                                                           |
|      | SOU2      | Mutation voice mode                                                                                                                         |
|      | SOU3      | Color changing strobe sound control mode                                                                                                    |
| NANU | d000-255  | Manual brightness adjustment                                                                                                                |
|      | R000-255  | red manual adjustment                                                                                                                       |
|      | G000-255  | Green manual adjustment                                                                                                                     |
| NANU | B000-255  | blue manual adjustment                                                                                                                      |
|      | U000-255  | Lime manual adjustment                                                                                                                      |
|      | S000-255  | Strobe manual adjustment                                                                                                                    |
| TEST |           | Color self-check                                                                                                                            |

| MENU | SUB MENU | OPERATION               |
|------|----------|-------------------------|
| LED  | ON       | Display is on           |
|      | OFF      | Display off             |
| VER  | 1.0      | software version number |

## DMX Protocol

| 4 Channel Mode | Function      | Function Control                    |
|----------------|---------------|-------------------------------------|
| CH1            | Red Dimming   | 0 closed light, 1-255 red dimming   |
| CH2            | Green dimming | 0 closed light, 1-255 green dimming |
| CH3            | Blue dimming  | 0 closed light, 1-255 blue dimming  |
| CH4            | Lime dimming  | 0 closed light, 1-255 Lime dimming  |

| 6 Channels Mode | Function      | Function Control                    |
|-----------------|---------------|-------------------------------------|
| CH1             | Total dimming | 0 closed light, 1-255 total dimming |
| CH2             | Strobe        | 0-10 closed light                   |
|                 |               | 11-255 strobe (slow to fast)        |
| CH3             | Red dimming   | 0 closed light, 1-255 red dimming   |
| CH4             | Green dimming | 0 closed light, 1-255 green dimming |
| CH5             | Blue dimming  | 0 closed light, 1-255 blue dimming  |
| CH6             | Lime dimming  | 0 closed light, 1-255 Lime dimming  |

| 8 Channels Mode | Function      | Function Control                                    |
|-----------------|---------------|-----------------------------------------------------|
| CH1             | Total dimming | 0 closed light, 1-255 total dimming                 |
| CH2             | Red dimming   | 0 closed light, 1-255 red dimming                   |
| CH3             | Green dimming | 0 closed light, 1-255 green dimming                 |
| CH4             | Blue dimming  | 0 closed light, 1-255 blue dimming                  |
| CH5             | Limedimming   | 0 off light, 1-255 Lime dimming                     |
| CH6             | Strobe        | 0-10 closed light                                   |
|                 |               | 11-255 strobe (slow to fast)                        |
| CH7             | Control       | 0-9 close light                                     |
|                 |               | 0-50 color mixing mode, CH8 is color selection      |
|                 |               | 051-100 jump mode, CH8 is the speed                 |
|                 |               | 101-150 gradient mode, CH8 is the speed             |
|                 |               | 151-200 mutation mode, CH8 is the speed             |
|                 |               | 201-220 console jump voice control                  |
|                 |               | 221-240 console color changing strobe sound control |
|                 |               | 241-255 console mutation voice control              |
| CH8             | Speed         | 0 closed light, 1-255 speed (slow to fast)          |

## Fixture Cleaning

Due to fog residue, smoke, and dust cleaning the internal and external optical lenses and mirror should be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates (i.e. smoke, fog residue, dust, dew). In heavy club use we recommend cleaning on a monthly basis. Periodic cleaning will ensure longevity, and crisp output.

To clean the fixture:

1. Disconnect the fixture from power and allow it to cool for at least 10 minutes.
2. Vacuum or gently blow away dust and loose particles from the outside of the fixture with low-pressure compressed air.
3. Clean the surfaces by wiping gently with a soft, clean lint-free cloth moistened with a weak detergent solution. Do not rub glass surfaces hard: lift particles off with a soft repeated press. Dry with a soft, clean, lint-free cloth or low-pressure compressed air. Remove stuck particles with an unscented tissue or cotton swab moistened with glass cleaner or distilled water.
4. Check that the fixture is dry before reapplying power.

## Fuse Replacement

This fuse is located in a fuseholder next to the MAINS OUT socket on the connections panel.

To replace a fuse:

1. Disconnect the fixture from power and allow it to cool for at least 10 minutes.
2. Unscrew the cap of the fuseholder and remove the fuse. Replace with a fuse of the same size and rating only.
3. Reinstall the fuseholder cap before reapplying power.

## Troubleshooting

Listed below are a few common problems that you may encounter, with solutions.

### The fixture does not work, no light

- Check the connection of power and main fuse. Be sure the external fuse has not blown.
- Measure the mains voltage on the main connector.

## Technical specifications

| Model                     | Art 50C wash                                  |
|---------------------------|-----------------------------------------------|
| Power supply:             | AC100-240V, 50/60Hz                           |
| Light source:             | 100W RGBL LED (25W R + 25W G + 25W B + 25W L) |
| Zoom range:               | 10° - 60° manual zoom                         |
| Power connection:         | Dedicated power in                            |
| Signal connection:        | 3-pin XLR in                                  |
| DMX channels:             | 4/6/8                                         |
| Control mode:             | DMX, RDM                                      |
| Housing:                  | Color black, die-casting aluminum             |
| Size(barn door excluded): | 258x140x90 mm                                 |
| N.W.:                     | 1.3 kg                                        |
| Accessories(incl.):       | Power cable                                   |
| Enviroment:               | IP20                                          |

**Please note: All information is subject to change without prior notice.**