

# ARTISAN 50C 5060

50W RGBL LED profile spot

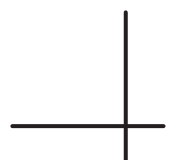
## USER MANUAL

CE IP20  
Indoor



REV 1.0 - 24

English Version



# Table of contents

|                                                     |   |
|-----------------------------------------------------|---|
| Caution!.....                                       | 3 |
| Introduction .....                                  | 3 |
| Safety instructions.....                            | 4 |
| Installation .....                                  | 4 |
| DMX-512 connection/connection between fixtures..... | 4 |
| Power connection .....                              | 4 |
| Operation .....                                     | 5 |
| Addressing .....                                    | 5 |
| Zoom.....                                           | 5 |
| Control Menu Map.....                               | 6 |
| DMX Protocol .....                                  | 6 |
| Fixture Cleaning .....                              | 7 |
| Troubleshooting .....                               | 7 |
| The fixture does not work, no light.....            | 7 |
| Technical specifications .....                      | 8 |

## 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

Artisan 50C 5060 is a 50W RGBL LED profile spot. Aluminum housing, fan-free design. With 50° - 60° zoom lens. It's an idea product for art gallery, museum, shopping mall.

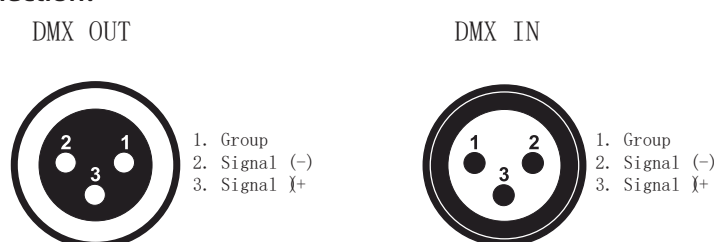
Unpack your item. Before you initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the device.

## 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.

## 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 5-pin XLR-plug and plug it in the DMX-output of the last fixture.

## Power connection

Power Requirements

The Artisan 50C 5060 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                                                                       |
|---------------------|----------------------|-------------------------------------------------------------------------------------|
| <b>Brown</b>        | <b>Live</b>          | <b>L</b>                                                                            |
| <b>Blue</b>         | <b>Neutral</b>       | <b>N</b>                                                                            |
| <b>Yellow/green</b> | <b>Earth(Ground)</b> |  |

## Operation

The Artisan 50C 5060 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.

**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.

### Zoom

This function allows you to adjust the beam width of the fixture.

Step 1: Adjust the zoom by turning the zoom knob clockwise/counter-clockwise.

Step 2: Adjust the focus by turning the focus knob clockwise/counter-clockwise.

Step 3: Adjust the zoom and focus buttons.



# ARTISAN 50C 5060

## Control Menu Map

| MENU | SUB MENU  | OPERATION                                                                                                                                   |
|------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------|
| A001 | A001-512  | DMX address setting                                                                                                                         |
| CHnd | 4/6/8 CH  | Channel Mode                                                                                                                                |
| FAIL | bLnd      | Data not held (black field)                                                                                                                 |
|      | HOLd      | Data Hold                                                                                                                                   |
| 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 |
| AUTO | AUT0-AUT4 | All effect modes                                                                                                                            |
| SOU0 | SOU0-SOU3 | All voice control modes                                                                                                                     |
| NANU | d000-255  | Manual brightness adjustment                                                                                                                |
|      | R000-255  | red manual adjustment                                                                                                                       |
|      | G000-255  | Green manual adjustment                                                                                                                     |
|      | B000-255  | blue manual adjustment                                                                                                                      |
|      | U000-255  | Lime manual adjustment                                                                                                                      |
|      | S000-255  | Strobe manual adjustment                                                                                                                    |
| tEST |           | Color self-check                                                                                                                            |
| LED  | ON/OFF    | Display is on/off                                                                                                                           |
| VER  | 1.0       | software version number                                                                                                                     |

## DMX Protocol

| 4 Channel Mode | Function | Function Control              |
|----------------|----------|-------------------------------|
| CH1            | Red      | 000-255: Red 0-100% Dimming   |
| CH2            | Green    | 000-255: Green 0-100% Dimming |
| CH3            | Blue     | 000-255: Blue 0-100% Dimming  |
| CH4            | Lime     | 000-255: Lime 0-100% Dimming  |

| 6 Channel Mod | Function | Function Control               |
|---------------|----------|--------------------------------|
| CH1           | Dimming  | 000-255: 0-100% Dimming        |
| CH2           | Strobe   | 000-010: No-functional         |
|               |          | 011-255: Strobe (slow to fast) |
| CH3           | Red      | 000-255: Red 0-100% Dimming    |
| CH4           | Green    | 000-255: Green 0-100% Dimming  |
| CH5           | Blue     | 000-255: Blue 0-100% Dimming   |
| CH6           | Lime     | 000-255: Lime 0-100% Dimming   |

| 8 Channel Mod | Function | Function Control                                     |
|---------------|----------|------------------------------------------------------|
| CH1           | Dimming  | 000-255: 0-100% Dimming                              |
| CH2           | Red      | 000-255: Red 0-100% Dimming                          |
| CH3           | Green    | 000-255: Green 0-100% Dimming                        |
| CH4           | Blue     | 000-255: Blue 0-100% Dimming                         |
| CH5           | Lime     | 000-255: Lime 0-100% Dimming                         |
| CH6           | Strobe   | 000-010: No-functional                               |
|               |          | 011-255: Strobe (slow to fast)                       |
| CH7           | Control  | 000-009: No-functional                               |
|               |          | 010-050: 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    | 000-255: 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.

## 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.

# ARTISAN 50C 5060

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## Technical specifications

|                                  |                                                      |
|----------------------------------|------------------------------------------------------|
| <b>Model</b>                     | <b>Artisan 50C 5060</b>                              |
| <b>Power supply:</b>             | <b>AC100-240V, 50/60Hz</b>                           |
| <b>Light source:</b>             | <b>100W RGBL LED (25W R + 25W G + 25W B + 25W L)</b> |
| <b>Color :</b>                   | <b>RGBL</b>                                          |
| <b>Color Rendition:</b>          | <b>CRI 80+</b>                                       |
| <b>Zoom range:</b>               | <b>50° - 60°</b>                                     |
| <b>Power connection:</b>         | <b>Dedicated power in</b>                            |
| <b>Signal connection:</b>        | <b>3-pin XLR in &amp; out</b>                        |
| <b>DMX channels:</b>             | <b>4/6/8</b>                                         |
| <b>Control mode:</b>             | <b>DMX</b>                                           |
| <b>Housing:</b>                  | <b>Color black or white, aluminum</b>                |
| <b>Size(barn door excluded):</b> | <b>289x 98 x 191mm</b>                               |
| <b>N.W.:</b>                     | <b>1.85 kg</b>                                       |
| <b>Environment:</b>              | <b>IP20</b>                                          |

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