# XSTATIC PRO LIGHTING

# ALCON™

# X-PARQUAD 7WDB

**Great cover with 7x 8Watt RGBA LED**
**Wireless DMX-512, Battery Powered**
**DMX, Auto and Sound Modes**

CE RoHS

# USER MANUAL

# ALCON

**X-PARQUAD 7WDB RGBA LED**

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## INTRODUCTION

### DESCRIPTION:

The ALCON X-PARQUAD lighting effects fixture is the latest in revolutionary battery powered and main supply wireless controlled color changer with 7 powerful RGBA All-in-One full color LEDs. This light can be operated in a standalone mode, or connected in a Master/Slave configuration. This rechargeable Battery Powered fixture is particularly suitable for events where setup time and/or cabling issues are problematic.

### UNPACKING:

Thank you for purchasing the ALCON X-PARQUAD 7WDBLED lighting effects fixture! Every one of our products 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 included accessories necessary to operate the unit have arrived successfully intact.

**ENCLOSED:**    ALCON lighting fixture, IR Remote, power cable, warranty card.

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

*WARNING!* To prevent or reduce the risk of electrical shock or fire, DO NOT expose this unit to water, rain, or moisture.

*CAUTION:* There are no user serviceable parts inside this unit. Do not attempt any repairs yourself. Doing so will void your manufacturer's warranty. In the unlikely event your unit may require service, please contact us.

## FEATURES:

The ALCON X-PARQUAD 7WDB RGBA LED Lighting Effects fixture comes with the following features:

- Standard pose-able mounting bracket.
- Battery can be used as external power supply.
- Battery On/Off switch
- Four operation modes: DMX-512 protocol, Auto, Master/Slave, and Sound Activated operating in various modes to form different LED lighting effects
- Auto Mode has 20 preset programs
- Wireless, DMX Linkable, or stand alone operation
- Wireless DMX On/Off switch
- IR Remote
- Dimming without flicker: 0-100%
- 7x 8Watt RGBA LED Sources
- Low Power Consumption. Low Heat
- Plug and Play!

## <u>TECHNICAL SPECIFICATIONS</u>

| | |
|---|---|
| Power supply: | 100-240V AC 50/60Hz |
| Power consumption: | MAX. 50W |
| Rated Current: | 0.5A @ 110v – fuse T3.15A |
| DMX-control-channels: | 4 (Ch. 1, 2,6, 9) |
| DMX-512-connection: | 3-pin XLR In/Out |
| Wireless: | 2.4 Ghz RF |
| Number of LED: | 7x 8W RGBA high MCD Four-in-One LED |
| Optic Lenses: | 30mm lens, standard beam |
| | Output intensity = 2200lux+ @ 2m |
| | Beam Angle = 24° |
| | Field Angle = 48° |
| Dimensions: | 10.8" x 10.8" x 7" |
| Weight: | 8.8 lbs |
| Battery Pack: | 12v, 12000mah |
| | Charge time = 4 hours |
| | Autonomy working time = 10 hours using 2-3 colors |

## SETUP

### DMX-512 / Connecting between fixtures

**Utilizing the XLR (3 pin) DMX connection:**
If you are using lighting controllers with this operation, 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:**
To add or continue a chain of fixtures, connect the DMX-output of the first fixture in the 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.

**NOTE – TERMINATE THE DMX CHAIN:** At the XLR output port of the last fixture in chain, the DMX-circuit has to be terminated with a "Terminator" plug. This is a standard practice, but if a terminator is not available, you can solder a 120 resistor between Signal (–) and Signal (+) into a 3-pin XLR-plug and plug it in the open DMX-jack of the last fixture.

### CONNECTING TO POWER – 120v AC
Connect the device to 120 volt power source with the enclosed power supply cable. Use only suitably rated power extension cords with this product.

*WARNING!* **All fixtures must be powered directly off a switched circuit and cannot be run off a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel is used solely for a 0% to 100% switch.**

## OPERATING UNIT

## LCD Display:

| MENU | Addr | A 001 | DMX address adjust : A001----A512 |
| | | A 512 | |
| | Auto | At 1 | At 01----At 20 20programs |
| | | ----- | |
| | | At 20 | |
| | | Nast | System all mode loop run |
| | SPEd | SP 00 | Program speed adjust 0= off 1-31 = fast—slow |
| | | SP 31 | |
| | SLAV | SLA | Slave mode |
| | CHND | CH 1-CH 9 | DMX channels select |
| | SENS | 0 - 100 | 0:close sound mode 1-100:setup up 100 max sensitive |
| | Soud | Sou1-4 | 1: Sound static color change ,2: sound flash color change  3: Sound dimmer up change, 4: Sound dimmer down change, |
| | Mast | On/ Off | on open master signal, off close master signal |
| | ALLC | 0--100 | Setup LED master dimmer |
| | red | R000—r255 | Setup red LED dimmer |
| | grEE | g000—g255 | Setup green LED dimmer |
| | bLuE | b000—b255 | Setup blue LED dimmer |
| | Uhit | U000—U255 | Setup white LED dimmer |
| | blud | Ygs/no | Ygs :close system LED ,no: Open system LED |
| | LEd | ON/OFF | Switch Display on /OFF = Display off 10s |
| | STEF | OFF,1,2,3,4 | OFF = Close test function  1 .Test red LED  2 .Test Green LED  3 .Test Blue LED  4 .Test White LED |
| | disp | disp/dsip | Display normal or Inversion |
| | Vgr | V1.0 | Display software version |
| | rsEt | 0 / >90 | System all value Reset |
| | CoLr | CO00-CO51 | Select like color (1-51) |
| | Temp | | Display system temperature(system temperature up to 60° fan run) |

*TIPS:* Start configuration by pressing the MENU button under the LCD Display to enter the menu options. Navigate through options with the ⋀ and ⋁ arrow buttons. When you find the desired Mode or option, hit ENTER to choose option, then select ENTER again when Desired Option found.

*NOTE: You must press MENU again on exiting options to save changes.*

# 1. DMX 512 protocol

## Addressing

The LCD DISPLAY on the rear side of the base allows you to assign the DMX fixture address, which defines the first channel from which the fixture will respond to on the controller. If you set, for example, the address to channel 7, the item will use the channel 7 to 14 for control. Be sure that you don't have any overlapping channels in order to control each item correctly and independently from any other fixture on the DMX data chain. If two, three or more items are addressed similarly, they will follow the same.

In DMX mode you can choose the address from 1 to 512. After you connect the item to the power mains, the item is powered and running. When the item finishes resetting, d-OO1 will flash in the led display and then set the desired DMX address by pressing the UP or DOWN buttons.

# 2. Four DMX Channel Modes:

Mode 1:1CH

| Channel | Value | Function |
|---------|-------|----------|
| ch1 | 0--255 | 0 = Off   1 - 255 = Different colourmacros 36 |

Mode 2:2CH

| Channel | Value | Function |
|---------|-------|----------|
| ch1 | 0--255 | 0= Off   1 – 255 = Master dimmer |
| ch2 | 0--255 | 0 = Off   1 - 255 = Different colourmacros 36 |

Mode 3: 6CH

| Channel | Value | Function |
|---------|-------|----------|
| ch1 | 0--255 | Adjust master Dimmer low to high |
| ch2 | 0--255 | Adjust red LEDs Dimmer low to high |
| ch3 | 0--255 | Adjust green LEDs Dimmer low to high |
| ch4 | 0--255 | Adjust blue LEDs Dimmer low to high |
| ch5 | 0--255 | Adjust white LEDs Dimmer low to high |
| ch6 | 0--255 | 0 – 8 LED Flash Off<br>9 -255 LED Flash speed Adjust low to high |

Mode 4: 9 CH

| Channel | Value | Function |
|---------|-------|----------|
| ch1 | 0--255 | Adjust master Dimmer low to high |
| ch2 | 0--255 | Adjust red LEDs Dimmer low to high |
| ch3 | 0--255 | Adjust green LEDs Dimmer low to high |
| ch4 | 0--255 | Adjust blue LEDs Dimmer low to high |
| ch5 | 0--255 | Adjust white LEDs Dimmer low to high |
| ch6 | 0--255 | 0 – 8 LED Flash Off<br>9 -255 LED shutter speed Adjust low to high |
| ch7 | 0--10 | default |
| | 11--20 | Automatic Dimming(upwards) |
| | 21--30 | Automatic Dimming(downwards) |
| | 31--40 | Automatic Dimming(upwards /downwards) |
| | 41--50 | Four colors fade |
| | 51--60 | Four colors flash |
| | 61--70 | Nineteen colors flash |
| | 71--80 | Fifteen colors flash |
| | 81--90 | Five colors fade |
| | 91--100 | Red Green and white fade |
| | 101--110 | Red blue and white fade |
| | 111--120 | Green blue and white fade |
| | >120 | Music control color change |
| ch8 | 0--255 | Special functions speed or Sound sensitivity<br>Auto program speed adjust |
| ch9 | 0--255 | 0-127 static color change,<br>128-255 flash color change.(sound mode) |

## 3. Sound Mode

Press the MENU button until 50Ud shows in the led display, confirm by pressing the button ENTER, then MENU again to save settings. The fixture will run to the beat of ambient sound using its on board microphone.

## 4. Auto Mode

Press the MENU button and scroll to find the ꓵuƚo option, then press ENTER, then MENU to set the mode.   and the following functions can be accessed by the repeatedly pressing the button ENTER:

PO-0: run the preset shows: P0-P4 means 5 preset shows, -0 to -9 does color changing 10 speeds;
CF-0: increasing brightness, then decreasing brightness, CF-0 to CF-9 means 10 running modes;
CC-O: color changes, CC-0 to CC-9 means 10 running modes;
CS00: color selections, CS00 to CS99 means 100 colors;

## 5. Synchronization & Master / Slave mode

Take one unit and set the item to Sound Mode, or Auto Mode as above. To chain other fixtures, press the button MENU, till ꓢLꓵ shows in the led display, confirm by pressing the ENTER button, then connect the fixtures to the first unit.   at auto/sound active already set by DMX cables, disconnect the items from DMX controller, the items will wok simultaneously, the item at auto/sound active as Master, the others respond as Slaves.

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

## APPENDIX / NOTES

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