Quadra

QD-60 USER MANUAL

Quadra

Introduction

The Quadra 60 intelligent color LED system generates bright and colorful lighting effects by means of an intelligent multi functional controller. The chase, strobe and color mixing effects of the four Quadra - 60 LED fixtures can all be used in different operating modes. These modes include stand-alone, DMX or sound- active. This long-life, solid-state lighting system has been designed for easy installation and safe, energy-efficient, operation.
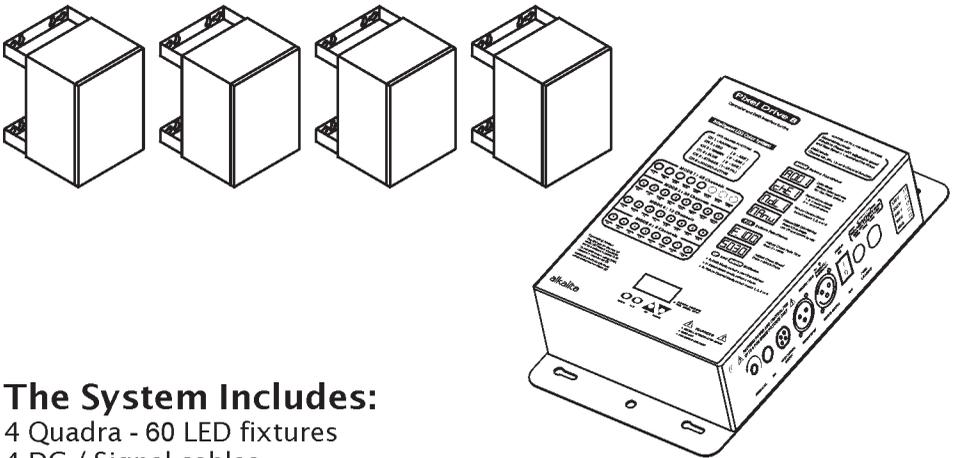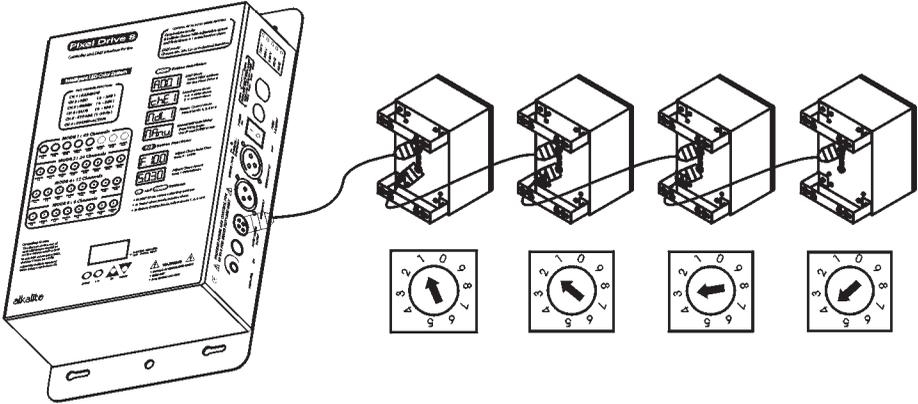
The System Includes:
4 Quadra - 60 LED fixtures
4 DC / Signal cables
1 Pixel Drive 4 controller / DMX interface
8 Hanging Brackets
Tightening Screw Set
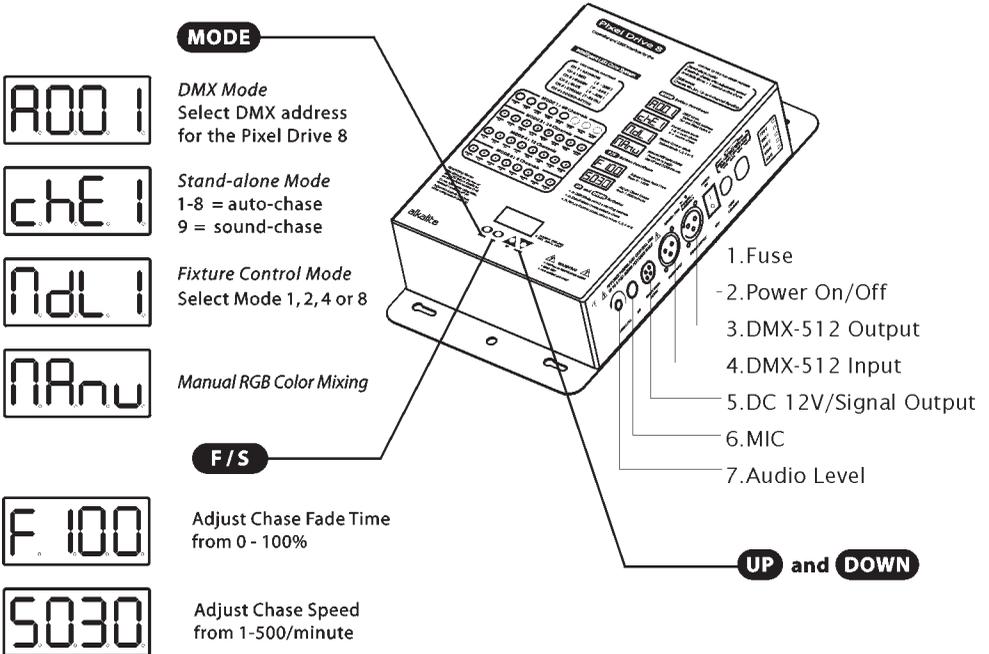1 Installation Guide

Additional Items Not Included:
DMX controller
3-pin DMX cable

Setup

Connect the Quadra fixtures using the supplied DC/Signal cables and set each fixture address as illustrated below.

Front and Side Panel Functions

MODE

DMX Mode
Select DMX address
for the Pixel Drive 8

Stand-alone Mode
1-8 = auto-chase
9 = sound-chase

Fixture Control Mode
Select Mode 1, 2, 4 or 8

Manual RGB Color Mixing

F / S

Adjust Chase Fade Time
from 0 - 100%

Adjust Chase Speed
from 1-500/minute

1. Fuse
2. Power On/Off
3. DMX-512 Output
4. DMX-512 Input
5. DC 12V/Signal Output
6. MIC
7. Audio Level

UP and **DOWN**

Cautions

FOR INDOOR USE ONLY
KEEP DRY
INSTALL ONLY IN WELL-VENTILATED AREAS
DO NOT ATTEMPT TO OPEN THE CONTROLLER OR FIXTURES
NO USER SERVICEABLE PARTS INSIDE

DANGER: Ensure that main power supply is off before installing or wiring the Quadra system.

DANGER: Ensure that the power supply is off by unplugging the *Pixel Drive* 4 before connecting or disconnecting fixtures.

Stand-alone Operation

Refer to the four buttons on the front panel of the *Pixel Drive* 4:

MODE   F/S   UP   DOWN

Press the MODE button to view the Chase menu:

chE 1

Select Chases 1-9 using the UP and DOWN buttons
Chases 1-8 run according to the Fade and Speed values
Chase 9 is sound-active

Press the F/S button to set the Fade and Speed values:

F 100

Adjust Chase Fade Time from 0-100%

S030

Adjust Chase Speed from 1-500 steps per minute

Press the MODE button to view the Manual Color Mixing menu:

nAnu

Press F/S to begin
Use UP and DOWN buttons to mix RGB values

Sound-active Operation

In Stand-alone mode, select Chase 9 and adjust the audio input level using the sensitivity control dial on the side panel of the *Pixel Drive* 8.

In DMX mode, use Channel 6 to select Sound-active operation and to adjust the audio sensitivity.

DMX Operation

Press the MODE button to view the DMX address setting menu:Select the
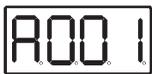
A001 DMX starting address for the Pixel Drive 4 using the UP and DOWN buttons

The DMX Channel functions are:

Channel 1 : Rainbow(0-100%)
Channel 2 : Red   (0-100%)
Channel 3 : Green   (0-100%)
Channel 4 : Blue   (0-100%)
Channel 5 : Strobe   (1-20HZ)
Channel 6 : Sound-active/ Audio sensitivity

The pixel Drive 4 will automatically detect the presence of a DMX signal.
IF a DMX signal is present, the front panel LED display will blink.

In order to receive a DMX signal, the Pixel Drive 4 must be attached to a DMX controller by a 3-pin DMX cable and the DMX controller must be turned on.

To mix RGB color using DMX, Channel 1 (Rainbow) must be off (0).

When programming your own DMX sequences, note that Channel 6 must be off (0) to avoid activating Sound-active mode during playback.

The Quadra system can operate as a 48-, 24-, 12- or 6- channel DMX fixture. Select DMX Mode 1, 2, 3 or 4 as described on the facing page.
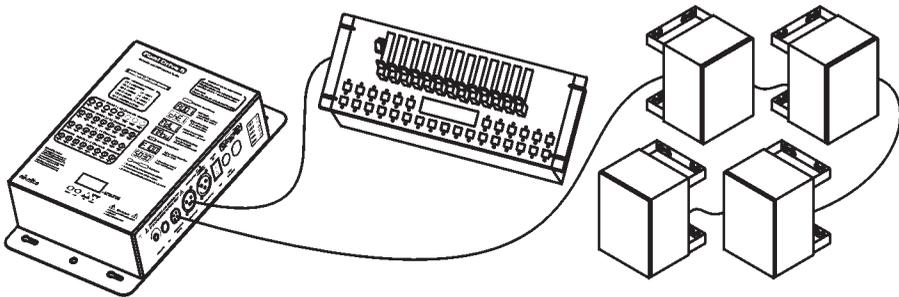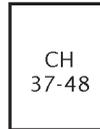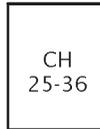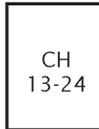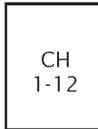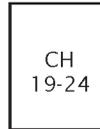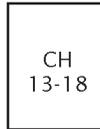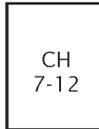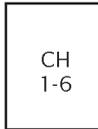
DMX MODES:

Press the MODE button to view the DMX mode selection menu.
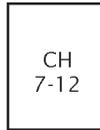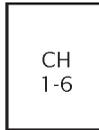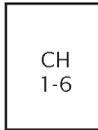Use the UP and DOWN buttons to select the DMX mode.

DMX Mode 1 : 48-channel operation
Control each Quadra fixture independently)
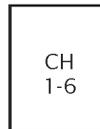
CH 1-12	CH 13-24	CH 25-36	CH 37-48

DMX Mode 2 : 24-channel operation
Control 4 sets of Quadra fixture)

CH 1-6	CH 7-12	CH 13-18	CH 19-24

DMX Mode 4 : 12-channel operation
Control 2 sets of 2 Quadra fixture)

CH 1-6	CH 1-6	CH 7-12	CH 7-12

DMX Mode 8 : 6-channel operation
Control 4 Quadra fixture in unison)

CH 1-6	CH 1-6	CH 1-6	CH 1-6
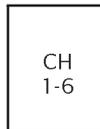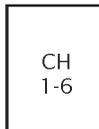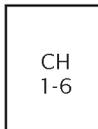
Fuse Replacement

The *Pixel Drive* 4 fuse may be replaced as illustrated below.

Disconnect AC mains power before replacing.

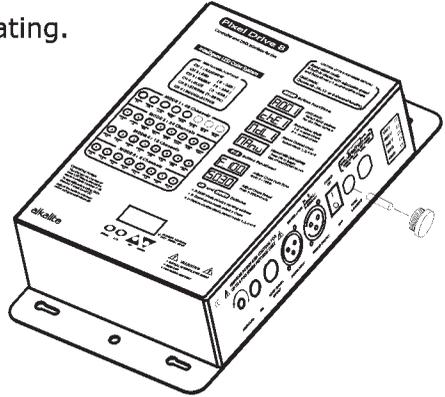Replace with fuse of same type and rating.

Technical Specifications

PIXEL DRIVE 4 CONTROLLER	
POWER SUPPLY:	240V ☐ 120V ☐ 230V ☐ 110V ☐ 220V ☐ 100V ☐
POWER CONSUMPTION:	95W
CONTROL:	DMX, BUILT-IN MIC, AUTO
DIMENSIONS:	305mmx160mmx75mm
WEIGHT:	3.1 KG
FUSE:	250V/1.6A / 125V/ 1.6A
QUADRA FIXTURE	
POWER SUPPLY:	12V
POWER CONSUMPTION:	14.6W
DIMENSIONS:	200mmx150mmx165mm
WEIGHT:	1.55KG x 4PCS

Warranty

The distributor warrants its products to be free of manufacturing defects in material and workmanship for a period of 90 days from the date of original purchase. For products properly registered under the distributor warranty registratiojn program (details below),the distributor warrants its products for a period of 1 year from the original purchase date. This warranty shall be valid only if the product is purchased from its authorized distributors or dealers. It is the purchaser's responsibility to establish the date and place of purchase by acceptable evidence at the time service is sought. For warranty service, send the product only to an authorized distributor or dealer.

All warranties are void if the serial number has been altered or removed; if the product has been modified in any manner; if the product has been reaiped or serviced by unauthorized personnel; or if the product is damaged due to improper use or maintenance as set forth in the instruction manual.

This is not a service contract and does not include standard maintenance or cleaning. Lamps, fuses, brushes, belts and all expendables are not covered by this warranty.

The distributor reserves the right to change design and specifications without obligation to include these changes in previously manufactured products.

Additional warranties provided at the discretion of the distributor dealers shall remain the sole obligation of the distributor or dealer.