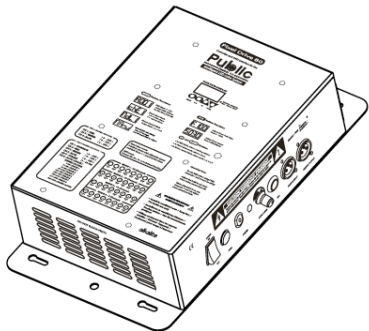
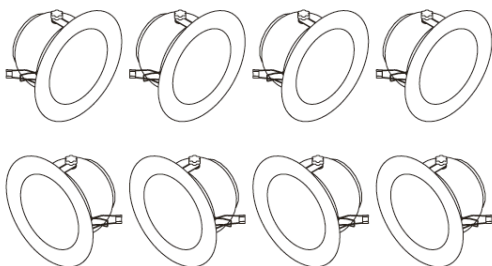


# Riva Frost

## USER MANUAL



## **IMPORTANT**

- Please read these instructions
- Please keep these instructions
- Heed all warnings
- Follow all instructions



### **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 Riva system.

**DANGER:**Ensure that the power supply is off by unplugging the Pixel Drive 80 before connecting or disconnecting fixtures.


### **WARNING:**

1. Before attaching the device, make sure that the installation area can hold a minimum point load of 10 times the device's weight.
2. Never stare directly into the light source.

### **Note:**

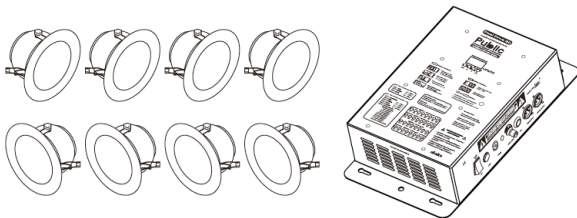
IF THE EXTERNAL FLEXIBLE CABLE OR CORD OF THIS LUMINAIRE IS DAMAGED, IT SHALL BE EXCLUSIVELY REPLACED BY THE MANUFACTURER OR THEIR RESPECTIVE SERVICE AGENT OR A SIMILAR QUALIFIED PERSON IN ORDER TO AVOID A HAZARD.

## SAFETY INSTRUCTIONS

1. Do not use this apparatus near water.
  2. Clean only with dry cloth.
  3. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
  4. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus(including amplifiers) that produce heat.
  5. Do not defeat the safety purpose of the grounding-type plug. A grounding type plug has two blades and a third grounding prong. The third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
  6. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
  7. Only use attachments/accessories specified by the manufacturer.
  8. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus.  
When a cart is used, used caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 
9. Unplug this apparatus during lightning storms or when unused for long periods of time.
  10. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
  11. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
  12. The MAINS plug is used as the disconnect device, the disconnect device shall remain readily operable.
  13. To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

## Introduction

LED Riva Frost consists of a control unit and eight lighting fixtures. It is an easy to operate system that is durable and easily maintained. There is an acrylic filter in front of the LED bulbs to soften the lighting effect. The control unit is programmed with eight effect programs, one sound controlled program and manual-adjust RGB mode. Each program can be easily set and adjusted via the control unit. For added functionality the entire system can be controlled externally by DMX 512. Regulating the RGB values and illumination level of the Riva's LEDs allows for thousands of color mixes, effects and color changes. These settings can be easily set and adjusted whether at a club, a concert, at home or on the road.



## The System Includes:

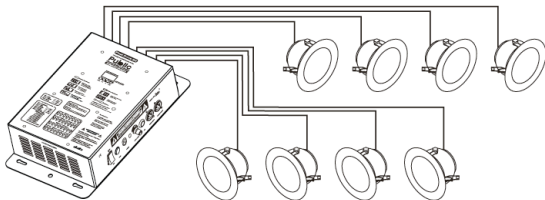
- 8 x Riva Frost fixtures
- 4 x 6 meters DC / Signal cables
- 4 x 3 meters DC / Signal cables
- 1 x Pixel Drive 80 controller / DMX interface
- Installation Guide

## Additional Items Not Included:

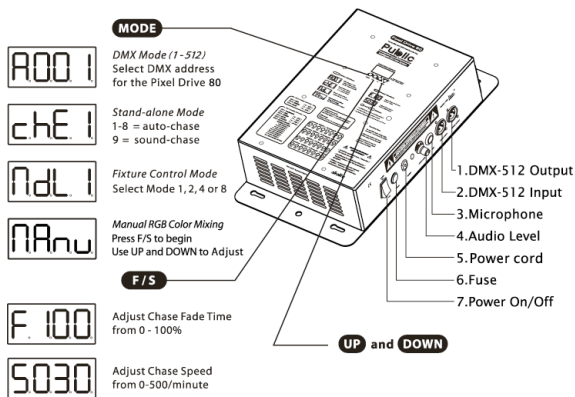
- DMX controller

## Setup

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



## Front and Side Panel Functions



## Stand-alone Operation

Refer to the four buttons on the front panel of the *Pixel Drive 80*:



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%

5030

Adjust Chase Speed from 0-500 steps per minute

## Manual RGB Adjustment

Find **MANU** manual RGB adjustment menu by pressing MODE button. Press F/S to select desire color for adjustment, use UP and DOWN button to adjust value.

-000

→ -255

Indicates Red from dark to bright.

-000

→ -255

Indicates Green from dark to bright.

-000

→ -255

Indicates Blue from dark to bright.


Program will memory from last adjustment.

## 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 80*.

In DMX mode, use Channel 6 to select Sound-active operation.

## DMX Operation

Press the MODE button to view the DMX address setting menu 

Select the DMX starting address for built-in controller using the UP and DOWN buttons.

Select DMX Channel mode by pressing MODE button to view 

Then press F/S to enter, use UP and DOWN button to select.

 **6 Channel Mode :**  
6 channel DMX control

Channel 1 : Rainbow  
Channel 2 : Red ( 0 -255 )  
Channel 3 : Green ( 0 -255 )  
Channel 4 : Blue ( 0 -255 )  
Channel 5 : Strobe ( 1-20HZ )  
Channel 6 : Sound-active

 **3 Channel Mode :**  
3 channel DMX control

Channel 1 : Red ( 0 -255 )  
Channel 2 : Green ( 0 -255 )  
Channel 3 : Blue ( 0 -255 )

There are 8 modes of self-running programs (value: 1-240) and one sound-active (value: 241-255) in Channel 6.

255	<input type="checkbox"/>	Sound-active	Chase 1 : 1-30
240	<input type="checkbox"/>	chase 8	Chase 2 : 31-60
210	<input type="checkbox"/>	chase 7	Chase 3 : 61-90
180	<input type="checkbox"/>	chase 6	Chase 4 : 91-120
150	<input type="checkbox"/>	chase 5	Chase 5 : 121-150
120	<input type="checkbox"/>	chase 4	Chase 6 : 151-180
90	<input type="checkbox"/>	chase 3	Chase 7 : 181-210
60	<input type="checkbox"/>	chase 2	Chase 8 : 121-240
30	<input type="checkbox"/>	chase 1	
0	<input type="checkbox"/>		Sound-active : 241-255

If DMX signal exists, signal in the display panel will flash.

The lighting fixture should be preserved in dry, cool and ventilated area.

The built-in controller will automatically detect the presence of a DMX signal.

In order to receive a DMX signal, the Pixel Drive 80 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).

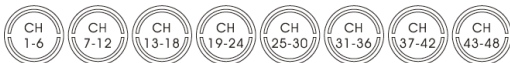
When programming your own DMX sequences, note that Channel 6 must be off (0) to avoid activating Sound-active mode during playback.

### 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 Riva fixture independently)



**DMX Mode 2** : 24-channel operation  
(Control 4 sets of 2 Riva fixtures)



**DMX Mode 4** : 12-channel operation  
(Control 2 sets of 4 Riva fixtures)

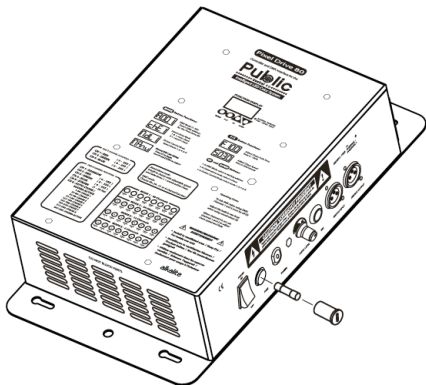


**DMX Mode 8** : 6-channel operation  
(Control 8 Riva fixtures in unison)



## Fuse Replacement

The *Pixel Drive 80* fuse may be replaced as illustrated below.



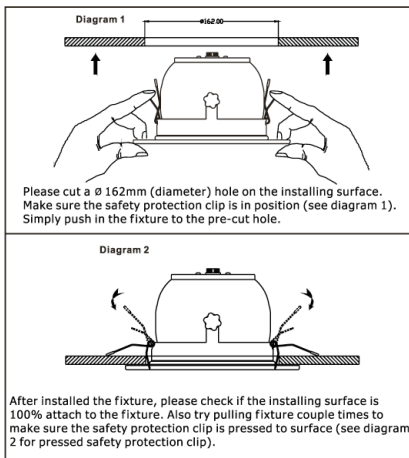
### Cautions

DISCONNECT AC MAINS POWER BEFORE REPLACING  
REPLACE WITH FUSE OF SAME TYPE AND RATING

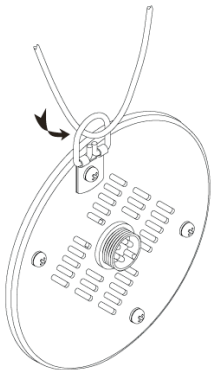
## Technical Specifications

<b>PIXEL DRIVE 80 CONTROLLER</b>	
POWER SUPPLY:	100V <input type="checkbox"/> 230V <input type="checkbox"/> 50Hz <input type="checkbox"/> 120V <input type="checkbox"/> 240V <input type="checkbox"/> 60Hz <input type="checkbox"/> 220V <input type="checkbox"/>
POWER CONSUMPTION:	115W
CONTROL:	DMX, BUILT-IN MIC, AUTO
DIMENSIONS:	360mmx200mmx85mm
WEIGHT:	3.7 KG
FUSE:	120VAC 250V/T2.0A;230VAC 250V/F1.6A
<b>RIVA FROST FIXTURE</b>	
POWER SUPPLY:	24V
POWER CONSUMPTION:	10W per fixture
DIMENSIONS:	210mmx210mmx122mm
WEIGHT:	0.88 KG per fixture

## Installation Instruction



## Please insert safty rig refer to below diagram



## 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 registration 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 repaired 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.

# alkalite

info@alkalite.com

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