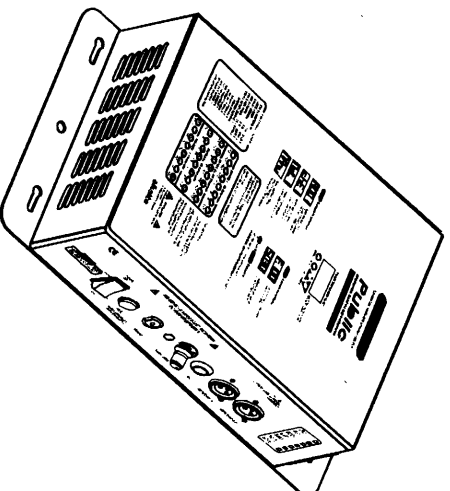
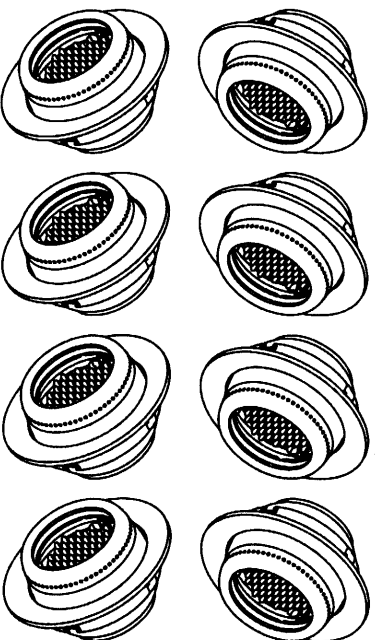


Riva

RV-80 USER MANUAL



Cautions

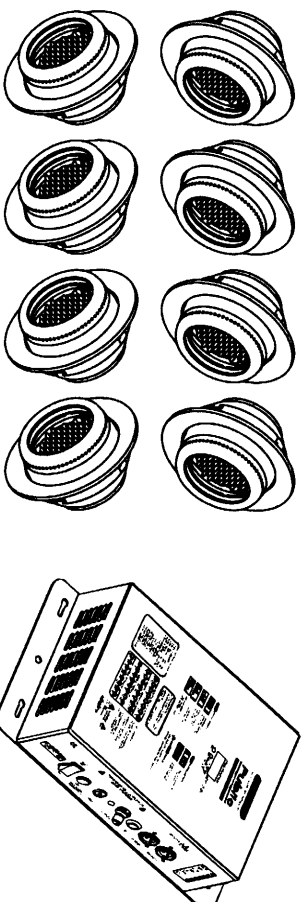
FOR INDOOR USE ONLY
KEEP DRY
INSTALL ONLY IN WELL-VENTILATED AREAS
DO NOT ATTEMPT TO OPEN THE CONTROLLER OR FIXTURES
NO USER SERVICEABLE PARTS INSIDE

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.

Introduction

LED Riva-80 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 80 fixtures
- 4 x 6 meters DC / Signal cables
- 4 x 3 meters DC / Signal cables
- 1 x Pixel Drive 80 controller / DMX interface

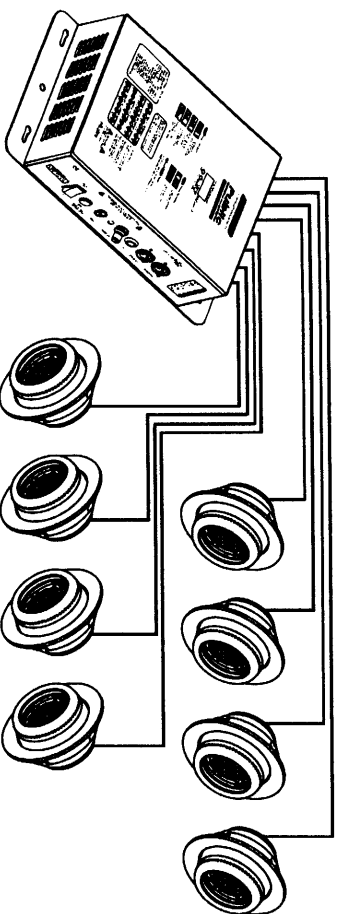
Installation Guide

Additional Items Not Included:

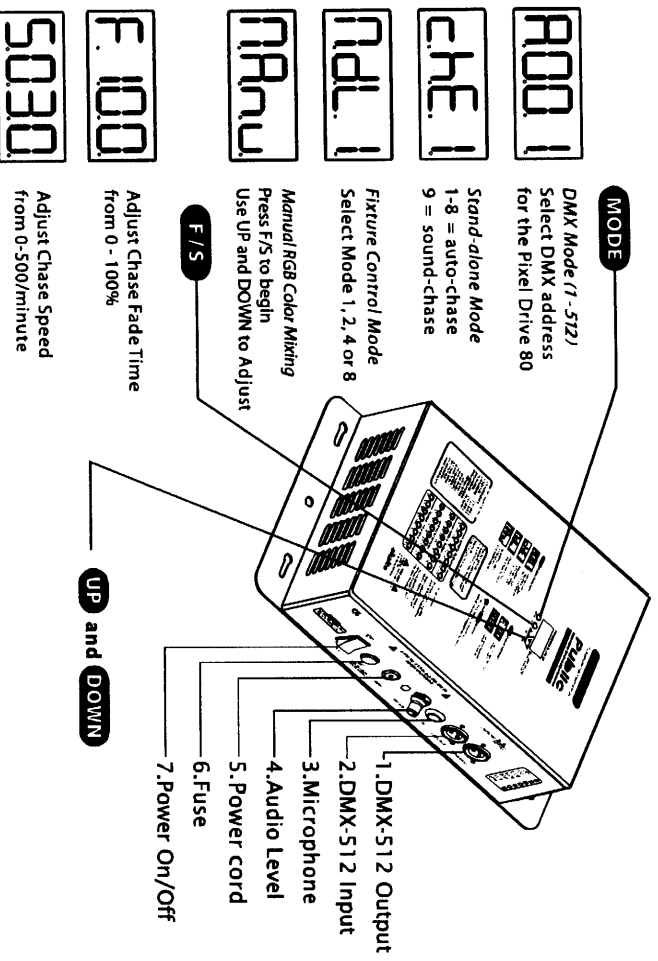
DMX controller

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 **NRnu** 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 the Pixel Drive 80 using the UP and DOWN buttons.

The DMX Channel functions are:

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

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

255	Sound-active	Chase 1 : 1-30
240	chase 8	Chase 2 : 31-60
210	chase 7	Chase 3 : 61-90
180	chase 6	Chase 4 : 91-120
150	chase 5	Chase 5 : 121-150
120	chase 4	Chase 6 : 151-180
90	chase 3	Chase 7 : 181-210
60	chase 2	Chase 8 : 121-240
30	chase 1	Sound-active : 241-255
0		

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

The lighting fixture should be preserved in dry, cool and ventilated area. The Pixel Drive 80 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).

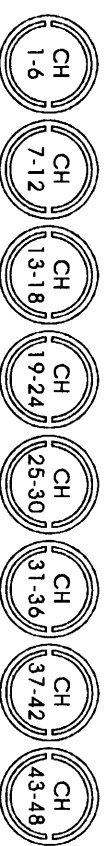
When programming your own DMX sequences, note that Channel 6 must be off (0) to avoid activating Sound-active mode during playback.

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)



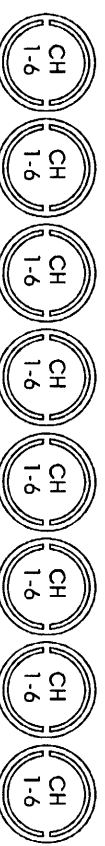
DMX Mode 2 : 24-channel operation
(Control 4 sets of 2 Riva fixtures)



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

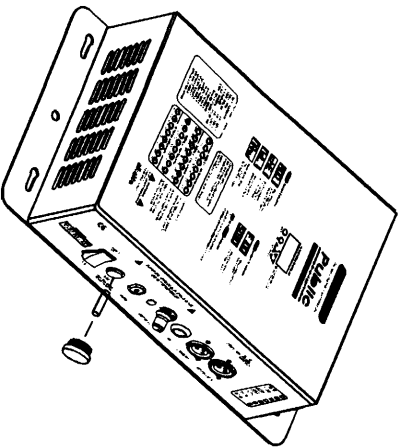


DMX Mode 8 : 6-channel operation
(Control 8 Riva fixtures in unison)



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

PIXEL DRIVE 80 CONTROLLER			
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/TT.0A; 230VAC 250V/TT.5A		
Riva 80 FIXTURE			
POWER SUPPLY:	24V		
POWER CONSUMPTION:	12W per fixture		
DIMENSIONS:	210mmx210mmx130mm		
WEIGHT:	1.06KG per fixture		

Installation Instruction

Diagram 1

Please cut a $\phi 162\text{mm}$ (diameter) hole on the installing surface. Make sure the safety protection clip is in position (see diagram 1.). Simply push in the fixture to the pre-cut hole.

Diagram 2

After installed the fixture, please check if the installing surface is 100% attach to the fixture. Also try pulling fixture couple times to make sure the safety protection clip is pressed to surface (see diagram 2 for pressed safety protection clip).