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# Operation Manual

## ParaZip® 400 & 200



**ParaZip 400 Yoke Mount**



**ParaZip 400 Pole-Op**



**KINO FLO®**  
Lighting Systems

# ParaZip Fixture Styles and Features

## ParaZip Yoke Mount



### **ZIP-400-120**

ParaZip 400 DMX Yoke Mount, 120VAC

### **ZIP-400-230**

ParaZip 400 DMX Yoke Mount, 230VAC



### **ZIP-200-120**

ParaZip 200 DMX Yoke Mount, 120VAC

### **ZIP-200-230**

ParaZip 200 DMX Yoke Mount, 230VAC

## ParaZip Pole-Op Mount



### **ZIP-400P-120**

ParaZip 400 DMX Pole-Op Mount, 120VAC

### **ZIP-400P-230**

ParaZip 400 DMX Pole-Op Mount, 230VAC



### **ZIP-200P-120**

ParaZip 200 DMX Pole-Op Mount, 120VAC

### **ZIP-200P-230**

ParaZip 200 DMX Pole-Op Mount, 230VAC

## Included w/ All ParaZip Models



### **GFR-P4**

ParaZip 400 Gel Frame (Included)

### **GFR-P2**

ParaZip 200 Gel Frame (Included)



### **LVR-P4-S**

ParaZip 400 Silver Louver (Included)

### **LVR-P2-S**

ParaZip 200 Silver Louver (Included)

## True Match® Lamps



### **55C-K29**

55W Kino KF29 Compact

### **55C-K32**

55W Kino KF32 Compact

### **55C-K55**

55W Kino KF55 Compact

## Inserting Lamps



Remove gel frame.



Remove the lamp base cover by pulling up on the two push-buttons.



Insert lamp tip first.



Snap lamp base into lamp connector.

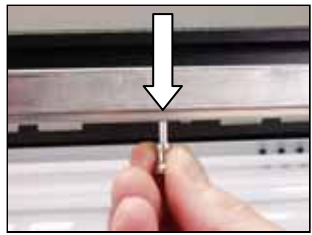


To release lamps, press red button and lift lamp base out.



Replace lamp base cover and push down on pins to lock.

## Inserting Gel Frame



The Gel Frame is secured to the fixture by 4 spring-loaded pins. Align the pins of the Gel Frame with the oval receptacle holes on the edge of the fixture. Pull back the pins and release into the receptacles to properly secure the Gel Frame.

## Applying Gel to Frame



(A)

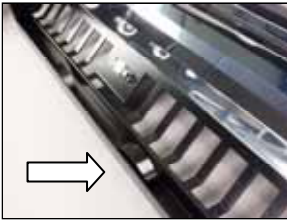


(B)

**A)** The Gel Frame comes with Gel Clips. Cut the gel to size and use the clips to fasten the gel to the frame.

**B)** Another method is to apply transfer tape directly to the gel frame. The clips are not necessary when taping the gel.

## Inserting Louver



Place the long edge of the Louver into the lower channel containing a set of leaf springs. Press down on the Louver and slip the upper edge of the louver into the upper channel of the fixture. Honeycomb louvers have tabs on the side to enable easy handling. To remove, reverse the procedure.

## Mounting Barndoors



Attach the Barndoors (sold separately) to the two receptacles located along the top and bottom edge of the fixture.

Adjust the door tension with a Phillips screwdriver.

## ParaZip Yoke Mount



The Yoke has a ½" hole to accept industry standard mounting hardware.

The **ParaZip 400 Yoke Mount** can hang from a grid by a junior pipe hanger using a Junior Pin Yoke Assembly (**MTP-I80**), sold separately.

The **ParaZip 200 Yoke Mount** can also hang from a grid by a junior pipe hanger using a Yoke Junior Pin (**MTP-I80**) or by a baby pipe hanger using a Yoke Baby Receiver (**MTP-I40**) also sold separately.



Note: The **MTP-I80** includes a long bolt for the ParaZip 400 Yoke Fixture and a short bolt for the ParaZip 200 Yoke Fixture.

Note: Because of weight capacity, the **MTP-I40** can only be used on the ParaZip 200.



## ParaZip Pole-Op Mount



The **ParaZip 400 and 200 Pole-Op Mount** include a yoke with an attached junior pin.

The fixtures can be hung from a grid with a junior pipe hanger.



Junior pin attached to Pole-Op Yoke

## Pole Operation



The **Blue** cup alters the **Pan** (left or right).

The **White** cup alters the **Tilt** (up or down).

## Fixture Operation

### Warning! To Ensure Proper Operation

ALWAYS TURN **OFF** THE FIXTURE BEFORE connecting or disconnecting lamps. After the lamps are properly installed, the Ballast can be turned on. Avoid operating in temperatures above 125°F (51°C) or below 60°F (15°C).

In temperatures below 60°F or 15°C the ballast may take longer to strike. If lamps do not strike within 5 seconds, switch the ballast to OFF, and try again. Check that the lamps are properly seated and the dimmer is up full, then restrike. If temperatures are too low, try to warm up the fixture to at least 60°F. Lamps will turn on at preset dimmer settings as long as the temperature is above 60°F or 15°C.

# ParaZip 400 Select Control Panel

**End of Line:**  
Terminates DMX signal at the end of Fixture series.

**Dmx Indicator:**  
Lights if valid DMX signal is present.

**Power Switch:**  
Turns fixture on and off.

**Remote Dimmer Jack:**  
Hand held dimmer control input jack.



**DMX-In & DMX-Out:**  
DMX -in receives DMX signals from Dimmer Board, DMX -Out relays DMX signal through to other fixtures or Instruments.

**DMX / Manual Lamp Select:**  
Sets the fixture for 2 or 4 lamp operation.

**DMX Address:**  
Sets DMX address of Fixture.

**Fuse:**  
Time delay fuse.

**Manual Dimmer Control**

## Manual Operation



The on-board dimmer dial can manually dim lamps.

The **REMOTE DIM** jack enables the use of a handheld remote control dimmer (Part # **DIM-5**, Remote Dimmer).



The **MANUAL DIM LAMPS** switch selects 4 or 2 lamp operation. In the **4** setting all four lamps are dimmed. In the **2** setting the center two lamps are dimmed.

**Note:** All manual controls are disabled as soon as the DMX cable is applied. For Manual control with DMX cables plugged in, set address to "000". There is a 5 second delay when switching between DMX and Manual control.



# DMX Operation



## DMX Addressing

Prior to hanging any instruments, set the DMX address of each Fixture.

Push the tabs above or below the number window to set the address. (Valid addresses range from 001 to 512.) The light above the address block will illuminate if a DMX signal is present.



The **DMX DIM CHANNELS** feature allows user to select two sets of lamps for Dmx dimming control. The **ParaZip 400 Select** operates on one or two DMX addresses.

**Position 1** requires one Dmx address and renders control of all four lamps on one dimmer channel.

**Position 2** requires two Dmx addresses to control 4 lamps on two addresses and two dimmer channels.

The 1<sup>st</sup> address controls the **inner two** lamps.  
The 2<sup>nd</sup> address controls the **outer two** lamps.

**Tip: Position 2** allows for a greater degree of control. The board operator can turn two lamps off (1 f-stop drop in exposure) without shifting the color temperature.



The **ParaZip 200** operates on one address per fixture. Two lamps are dimmed on one dimmer channel.



The **END OF LINE** switch must be set to open ( **O** ) on Fixtures within the DMX chain. Set to **END OF LINE** when the Fixture is the last DMX control device in the chain.

*Note: When the last Fixture's DMX Term is set to "END OF LINE", it will absorb all energy in the DMX line, ensuring DMX signals are transmitted correctly. If a signal is not terminated, it is called a "Reflected Wave", and may create transmission errors by causing valid DMX signals to be canceled.*



ParaZip fixtures can be jumpered using the IN and OUT ports. As many as 100 fixtures can be jumpered on one chain as long as the DMX cable run remains under 1000 feet or 40 x 25ft DMX cables.

**Note:** When operating fixtures at great distances from the dimmer board, it is recommended to use Opto-Isolators to provide DMX signal amplification.

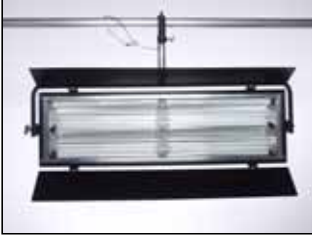
**Note: If a Fixture or Ballast loses its DMX signal it will hold its last DMX command.** For this reason it is important to turn the Fixture or Ballast off using the DMX commands. For example, if you try to turn off the lights by turning off the dimmer board, the lights will remember their last DMX command and stay on. The Fixtures or Ballasts require a DMX “Off” or “Black-out” command in order to turn off.

## Trouble Shooting

### LAMPS FAIL TO LIGHT:

- With the power switch in the **ON** position, the red light should be on. If it is not, Voltage is not present. Check your power feed. Check the fuse on the fixture and replace if necessary (*5 x 20mm, T3.15AH/250V, Time Delay Type*)
- The on board manual dimmer should be full up, turned completely clockwise.
- Check lamp contact. Lamps must be properly seated. If one lamp is not making contact or is burned out, two lamps will be off.
- Replace lamp or lamps.
- After having checked that lamps are correctly seated, turn off power to the fixture for 60 seconds and restart.
- With DMX cable connected, if yellow light is off, there is no DMX signal. Establish a valid DMX signal.
- With DMX cable plugged in and yellow indicator on:
  1. Address must be between 001 and 512. Addresses above 512 are invalid.
  2. The dimmer setting on lighting board must be in the full up mode.
  3. The last fixture must have the DMX termination switch set to **END of LINE**. Numerous terminated fixtures on a DMX run will result in DMX signal corruption.

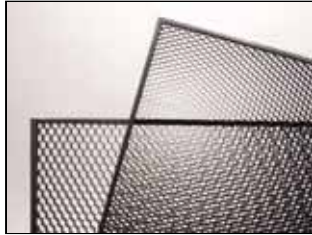
# Accessories and Parts



**BRD-Z42...** ParaZip 400/200 Barndoors (set of 2)



**DIM-5.....** Remote Dimmer



**LVR-Z445.....** ParaZip 400 Louver, 45°

**LVR-Z460.....** ParaZip 400 Louver, 60°

**LVR-Z490.....** ParaZip 400 Louver, 90°

**LVR-Z245.....** ParaZip 200 Louver, 45°

**LVR-Z260.....** ParaZip 200 Louver, 60°

**LVR-Z290.....** ParaZip 200 Louver, 90°



**MTP-I40...** Yoke Baby Receiver



**MTP-I80...** Yoke Junior Pin



**XLR-525**...Dmx Cable 5-Pin xlr, 25ft  
**XLR-515**...Dmx Cable 5-Pin xlr, 15ft

## True Match® Lamps



**55C-K29**  
55W Kino KF29 Compact

**55C-K32**  
55W Kino KF32 Compact

**55C-K55**  
55W Kino KF55 Compact

## Cases



**KAS-Z41**... ParaZip 400 Ship Case  
**KAS-Z21**... ParaZip 200 Ship Case



**KAS-CL6** .... 6-Lamp Carry Case  
(55W Compact)

# Fixture Specifications



ParaZip 400 Yoke

## Model: ZIP-400

ParaZip 400 DMX Yoke

**Power requirements:** 120VAC or 230VAC

**Amperage:** 2 amps at 120VAC

1.1 amps at 230VAC

**Weight:** w/ lamps, louver and gel frame

20.1lbs / 9.0kg

**Dimensions:** 50 x 16 x 6.5"

(127 x 40.5 x 16.5cm)

**Lamp types:** 55 Watt Compact fluorescent lamps  
with 2G11 base

**Switching:** 4 lamp and 2 lamp on/off

**Dimming:** Manual and DMX



ParaZip 200 Yoke

## Model: ZIP-200

ParaZip 200 DMX Yoke

**Power Requirements:** 120VAC or 230VAC

**Amperage:** 1.1 amps at 120VAC

.6 amps at 230VAC

**Weight:** w/ lamps, louver and gel frame

13.9lbs / 6.3kg

**Dimensions:** 50 x 11 x 5"

(127 x 28 x 12.5cm)

**Lamp Types:** 55 Watt Compact fluorescent lamps  
with 2G11 base

**Switching:** 2 lamps on/off

**Dimming:** Manual and DMX



**ParaZip 400 Pole-Op**

**Model: ZIP-400P**

ParaZip 400 DMX Pole-Op

**Power requirements:** 120VAC or 230VAC

**Amperage:** 2 amps at 120VAC  
1.1 amps at 230VAC

**Weight:** w/ lamps, louver and gel frame  
20.1 lbs / 9.0kg

**Dimensions:** 50 x 18 x 9.5"  
(127 x 45.7 x 24.1cm)

**Lamp types:** 55 Watt Compact fluorescent lamps  
with 2G11 base

**Switching:** 4 lamp and 2 lamp on/off

**Dimming:** Manual and DMX



**ParaZip 200 Pole-Op**

**Model: ZIP-200P**

ParaZip 200 DMX Pole-Op

**Power Requirements:** 120VAC or 230VAC

**Amperage:** 1.1 amps at 120VAC  
.6 amps at 230VAC

**Weight:** w/ lamps, louver and gel frame  
14lbs / 6.4kg

**Dimensions:** 50.3 x 9.4 x 8"  
(127.6 x 23.8 x 20.3cm)

**Lamp Types:** 55 Watt Compact fluorescent lamps  
with 2G11 base

**Switching:** 2 lamps on/off

**Dimming:** Manual and DMX

For latest Warranty information and Certifications,  
see Kino Flo website at [www.kinoflo.com](http://www.kinoflo.com).

**Environmental: Disposal of Old Electrical & Electronic Equipment.**



This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. This product is made of recyclable materials and should be disposed of in accordance with local and state regulations.

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Kino Flo, Inc. 2840 N. Hollywood Way, Burbank, CA 91505, USA  
Tel: 818 767-6528 website: [www.kinoflo.com](http://www.kinoflo.com)