Operation Manual
ParaZip® 400 & 200 DMX

ParaZip 400 Yoke Mount
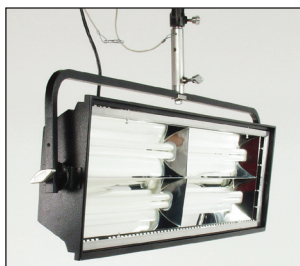

ParaZip 400 Pole-Op

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

ZIP-400P-120
ParaZip 400 DMX Pole-Op, 120VAC

ZIP-400P-230
ParaZip 400 DMX Pole-Op, 230VAC

ZIP-200P-120
ParaZip 200 DMX Pole-Op, 120VAC

ZIP-200P-230
ParaZip 200 DMX Pole-Op, 230VAC
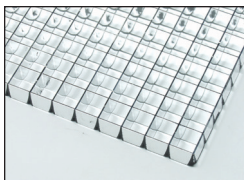
Included w/ all ParaZip Models

GFR-Z4
ParaZip 400 Gel Frame (Included)

GFR-Z2
ParaZip 200 Gel Frame (Included)

LVR-Z4-S
ParaZip 400 Silver Louver (Included)

LVR-Z2-S
ParaZip 200 Silver Louver (Included)

True Match®Lamps

55C-K32   55W Kino KF32 Compact

55C-K55   55W Kino KF55 Compact
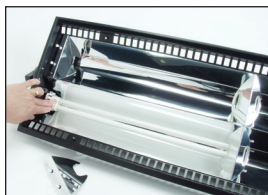
Inserting Lamps

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.
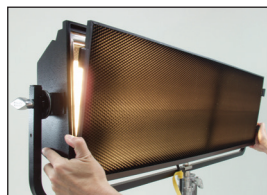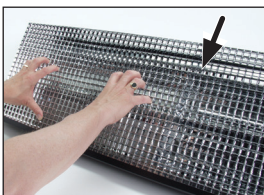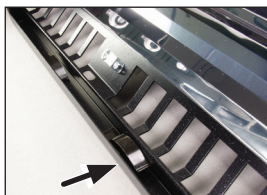
Applying Gel to Frame

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.
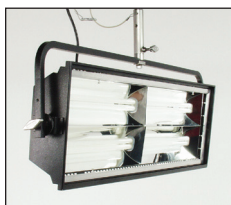
Mounting Barndoors

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 Assembly for Yoke **(MTP-I80)**, sold separately.

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

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

MTP-I80   **MTP-I40**

Warning: Use only M5 X 10mm screws (supplied) to assemble yoke. Note that threads on the fixture are self-locking and may seem tight. Replacement screw: Part No. **2020127**

Recommended torque setting:
USA: 18 lb-in
Metric: 2 Nm

ParaZip Pole-Op

The **ParaZip 400 and 200 Pole-Op** include a yoke with an attached junior pin. They can be hung from a grid with a junior pipe hanger.

Junior pin attached to Pole-Op Yoke

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Pole Operation

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

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

Warning!
Do not pull yoke to adjust tilt. Turn the white knob counter clockwise to angle the yoke 90°.

(ParaBeam shown for illustration purposes only)

Fixture Operation

Warning! To Ensure Proper Operation

ALWAYS TURN **OFF** THE FIXTURE BEFORE connecting or disconnecting lamps. After the lamps are properly installed, the fixture 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 Control Panel

A   B   C   D   E   F G   H
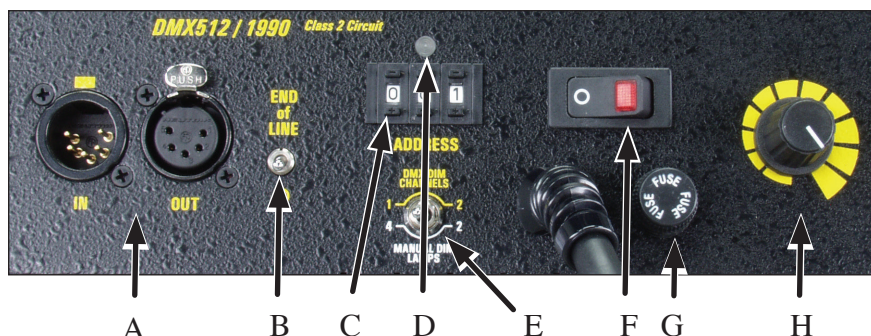
A) DMX-In & DMX-Out: DMX-In receives signals from Dimmer Board. DMX-Out relays DMX signal through other fixtures or instruments.

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

C) DMX Address: Sets DMX address of fixture.

D) DMX Indicator: Lights if valid DMX signal is present.

E) DMX Dim Channels/Manual Dim Lamps: Sets the fixture for 2 or 4 lamp operation.

F) Power Switch: Turns fixture on and off. Has built-in indicator light to detect if AC power is present in power cord. "O" = OFF position.

G) Fuse: Provides circuit protection. Note: If Fuse is "blown" or "open", replace with same type of fuse rating as marked.

H) Dimmer Knob: Manual dimming control

Manual Operation

The onboard dimmer dial can manually dim lamps.

The **MANUAL DIM LAMPS** switch selects **4** or **2** lamp operation. Select the 2 setting to turn off the outer lamps.

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 **DMX DIM CHANNELS** feature allows user to select **2** or **4** lamp operation for DMX dimming control.

The **ParaZip 400** operates on one or two DMX addresses.

On **DMX Channel 1**, one DMX address controls/dims all four lamps on one dimmer channel.

On **DMX Channel 2**, two DMX addresses are used:
The 1st address controls the **inner two** lamps.
The 2nd address controls the **outer two** lamps.

Tip: DMX Channel 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 DMX address to control/dim 2 lamps on one dimmer channel.
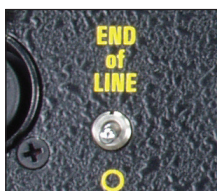
The **END OF LINE** switch must be set to open (**O**) on Fixtures within the DMX chain. Set to **END OF LINE** when the Fixture is the last DMX control device in the chain.

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.

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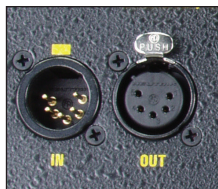
ParaZip fixtures can be jumpered using the IN and OUT ports. As many as 100 fixtures can be jumpered on one chain as long as the DMX cable run remains under 1000 feet or 40 x 25ft DMX cables.

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

DMX Cables

Cable must comply with EIA-485 (RS485).

The fixture uses five-pin XLR male and female connectors to receive DMX signals from the Dimmer Board and jumper the fixtures in a series. DMX pin-out wiring follows the USITT DMX512 standard:

Pin 1: Shield
Pin 2: Data –
Pin 3: Data +
Pin 4: Spare –
Pin 5: Spare +

Note: Pin four and five in the Fixture are connected internally as Pin four to four and Pin five to five. Connecting Pin four and five as the pass-thru allows secondary data to be passed through other equipment.

Do Not use Microphone Cables and other general purpose, two-core cables designed for audio or signaling use. They are not suitable for DMX512. Problems due to incorrect cabling may not be immediately apparent. Microphone cables may appear to work fine, but systems built with such cables may fail or be prone to random errors. Cable must comply with EIA-485 (RS485).

**Note: If a Fixture 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 onboard 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. 0 and 512 and higher are invalid addresses.
    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.

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Accessories and Parts
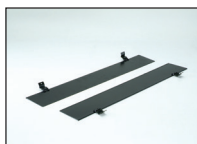
BRD-Z42   ParaZip 400/200 Barndoors (Set of 2)
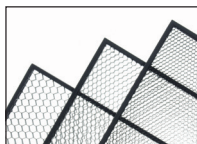
LVR-Z490	ParaZip 400 Louver, 90°
LVR-Z460	ParaZip 400 Louver, 60°
LVR-Z445	ParaZip 400 Louver, 45°
LVR-Z290	ParaZip 200 Louver, 90°
LVR-Z260	ParaZip 200 Louver, 60°
LVR-Z245	ParaZip 200 Louver, 45°

MTP-I80   Junior Pin Assembly for Yoke (28mm)

MTP-I40   Baby Receiver Assembly for Yoke (16mm)

XLR-525	DMX Cable 5-Pin XLR, 25ft
XLR-515	DMX Cable 5-Pin XLR, 15ft

7010012	ParaZip 400 Pole-Op Assembly
7010011	ParaZip 200 Pole-Op Assembly

True Match®Lamps

55C-K32   55W Kino KF32 Compact

55C-K55   55W Kino KF55 Compact

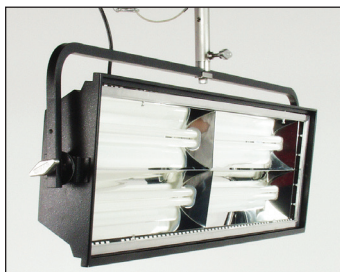# Cases

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 Mount

Model: ZIP-400
ParaZip 400 DMX Yoke Mount

Input Voltage:	120VAC or 230VAC
Output Frequency:	30kHz
Amperage:	2.0A at 120VAC
	1.1A at 230VAC
Lamp Switching:	4/2
Dimming Range:	100%~5%
Weight w/ lamps:	20.1 lbs /9.0kg
Dimensions:	50 x 16 x 6.5"
	(127 x 40.5 x 16.5cm)
Lamp type:	55W CFL w/ 2G11 base

ParaZip 200 Yoke Mount

Model: ZIP-200
ParaZip 200 DMX Yoke Mount

Input Voltage:	120VAC or 230VAC
Output Frequency:	30kHz
Amperage:	1.1A at 120VAC
	0.6A at 230VAC
Lamp Switching:	2/off
Dimming Range:	100%~5%
Weight w/ lamps:	14.6 lbs /6.6kg
Dimensions:	50 x 11 x 5"
	(127 x 28 x 12.5cm)
Lamp type:	55W CFL w/ 2G11 base

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ParaZip 400 Pole-Op

Model: ZIP-400P
ParaZip 400 DMX Pole-Op

Input Voltage:	120VAC or 230VAC
Output Frequency:	30kHz
Amperage:	2.0A at 120VAC
	1.1A at 230VAC
Lamp Switching:	4/2
Dimming Range:	100%~5%
Weight w/ lamps:	22 lbs /10kg
Dimensions:	50.5 x 16 x 6.5"
	(128 x 40.5 x 16.5cm)
Lamp type:	55W CFL w/ 2G11 base

ParaZip 200 Pole-Op

Model: ZIP-200P
ParaZip 200 DMX Pole-Op

Input Voltage:	120VAC or 230VAC
Output Frequency:	30kHz
Amperage:	1.1A at 120VAC
	0.6A at 230VAC
Lamp Switching:	2/off
Dimming Range:	100%~5%
Weight w/ lamps:	16.5 lbs /7.5kg
Dimensions:	50.5 x 11 x 5"
	(128 x 28 x 12.5cm)
Lamp type:	55W CFL w/ 2G11 base

For latest Warranty information and Certifications,
see Kino Flo website at 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 governmental regulations.