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**PRIZMO** JUPITER18

PZM-700R

USER MANUAL

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**[Prizmo Jupiter 18 PZM-700R]****Introduction:**

Thank you for choosing the Prizmo Jupiter 18 (PZM-700R) RGBWT light from Fotodiox. This light is designed with all-aluminum frames for durability and enhanced heat dissipation. The PZM-700R is a compact, soft and efficient multicolored LED panel. Prizmo lights are adjustable from 2800K to 10000k with adjustable green/magenta points to optimize the spectrum for superb color effects. The PZM-700R can be controlled using the popular DMX512 protocol, with the optional remote control, via the built-in operations menus or with the optional mobile APP.

**Characteristics:**

1. Designed with an all-aluminum frame for durability and enhanced heat dissipation to help ensure a long product life.
2. Fully adjustable color temperature from 2800K to 10000K.
3. Complete 0-360° color selection.
4. Fully dimmable from 0-100%.
5. Multiple pre-programmed scenes and effects.
6. High CRI 93-98 , TLCI 95-97.
7. Can be powered via AC wall power or optional V-lock batteries.
8. Firmware upgradeable via USB port.
9. Low heat LED technology provides high output without excessive heat.
10. DMX512 compatible.
11. Suitable for indoor or outdoor photography and videography. Great for studio or location shoots including live broadcast, TV, film, portrait photography and more.

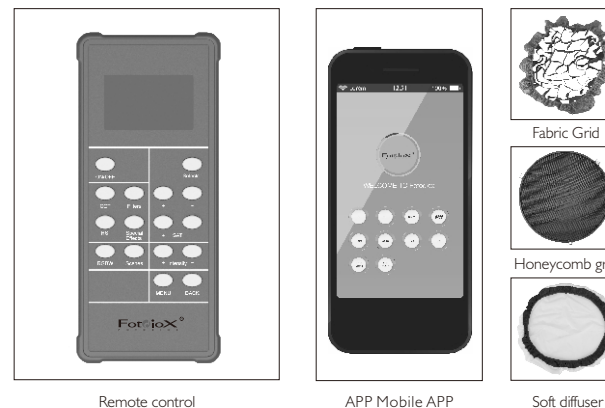
**Warnings:**

1. Do not disassemble the or modify the light.
2. Remove batteries when in storage.
3. When not in use for extended periods of time, DO discharge and recharge the batteries at least one time monthly.
4. Do not short circuit the batteries as this may seriously damage the batteries and increase risk of fire.
5. Do not drop or damage the batteries; doing so may increase risk of fire.
6. Do not burn the batteries; properly dispose of them according to local regulations.
7. Do not operate with wet hands, doing so may cause electric shock.
8. Use ONLY the provided AC power adapter; using other AC power adapters may result in damage to the light.
9. Do not operate in environments near flammable gasses or volatile liquids as this may increase the risk of explosion/fire.
10. Do not operate in enclosed spaces where heat buildup can be extreme, such as a car on a sunny day. The increased heat may cause premature failure of the lighting unit.
11. Do not touch the plug or AC adapter with wet hands; doing so may cause electric shock.
12. Do not damage, disassemble, twist or modify the power cord as it may increase the risk of fire or electric shock.
13. Do not place under heavy objects.
14. Avoid impact to the LCD display.
15. Avoid dust and debris buildup as this will change the illuminance and color temperature.
16. Keep the light surface clean with a soft, dry cloth.
17. When hanging the light, always use the included safety cable.

Do not block the air inlet for the cooling fan. Doing so will inhibit heat dissipation and may cause excess noise

**Packing List:****Prizmo Jupiter 18 PZM-700R**

- ① Light unit - IPC    ② AC power adapter (144W)-IPC    ③ Power cord -IPC  
 ④ DMX cable-IPC    ⑤ Safety cable-IPC    ⑥ Instruction manual-IPC  
 ⑦ Bag -IPC

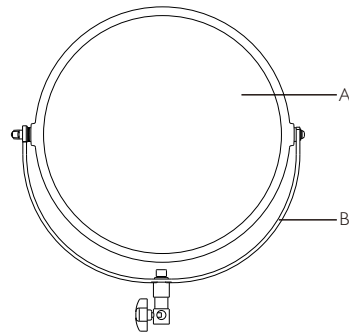
**Prizmo Jupiter 18 PZM-700R****Optional Accessories:**

Remote control

APP Mobile APP

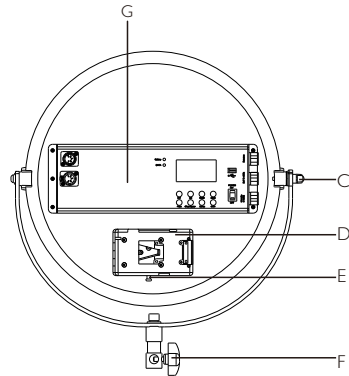
Soft diffuser

Parts Diagram:

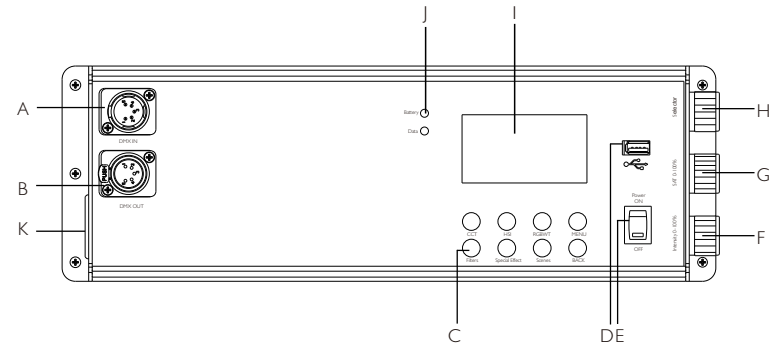


Prizmo Jupiter I8 (PZM-700R)

- Ⓐ Diffused, luminous surface
- Ⓑ Yoke
- Ⓒ Yoke locking knob
- Ⓓ V-lock battery plate
- Ⓔ V-lock release button
- Ⓕ Stand mount locking screw
- Ⓖ Control panel



Control Panel Diagram:



- Ⓐ DMX input      Ⓑ DMX output
- Ⓒ Operation shortcut buttons  
(CCT, HSI, RGBWT, MENU, Filters, Special Effects, Scenes, BACK)
- Ⓓ USB port      Ⓔ Power switch      Ⓕ Knob 1 – Intensity
- Ⓖ Knob 2–SAT (saturation)      Ⓖ Knob 3 – Selector (with touch button functionality)      Ⓖ LCD screen
- Ⓖ Indicator lights (2 indicators)      Ⓖ 4-pin XLR socket

## Specifications:

NO.	Name	Prizmo Jupiter I 8 (PZM-700R)
1	Optical system	Diffusion panel
2	Lighternis surface	ø16.0in (ø407mm)
3	Beam angle	120°
4	Color(Hue Saturation Intensity)	Full RGB+WT gamut with 360° HSI control
5	Intensity/brightness	0-100% continuous
6	White light	Continuously adjustment 2800K-10000K
7	CRI	93-98
8	TLCI	95-97
9	Color temperature error	+/-200K
10	Remote control	DMX 512,Remote control,Mobile APP
11	Power input	AC100-240V,50/60Hz,DC15V
12	Power output	100W max
13	Battery mount	V-lock
14	Battery power	DC12-17V
15	Output on battery power	0-80%
16	Working temperature	-4 to 113°F (-20-45°C)
17	Protection level	IP20
18	LED lifetime	Up to 50,000 hours
19	Weight	7.78lbs (3.53Kg)without adapter,9.41lbs (4.27Kg) with adapter
20	Dimensions	11x22.0inx2.9in(510x560x75mm)

## Prizmo Jupiter I 8 (PZM-700R) Illuminance:

Color temperature Distance Illuminance	2800K	3200K	5600K	10000K
0.5m	5100Lux	5670Lux	6360Lux	5830Lux
1m	1470Lux	1540Lux	1770Lux	1670Lux
2m	418Lux	440Lux	508Lux	460Lux
5m	82Lux	87Lux	99Lux	91Lux

Color Distance Illuminance	Red	Green	Blue
0.5m	1520Lux	4400Lux	770Lux
1m	440Lux	1270Lux	210Lux
2m	127Lux	360Lux	63Lux
5m	25Lux	72Lux	12Lux

## Operating Instructions:

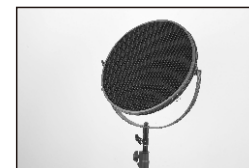
### 1.Set-up instructions:

- (1) Loosen the stand mount locking screw by turning counterclockwise until you can place the light onto the stand or stud. Turn the stand mount locking screw clockwise to secure on stud.
- (2) When mounting to a 1 1/8" stud, it will be necessary to remove the set screw.



### 1.Use the Honeycomb Grid

- (1) Insert the bottom of the honeycomb grid into the slots on the left and right buckles at the bottom edge of the frame of the light body; then insert the top of the honeycomb grid into the left and right buckles at the top edge of the frame.
- (2) After installation, check the buckles to ensure the grid is securely in place.
- (3) To remove the honeycomb grid, open the upper two buckles, and carefully pull the honeycomb grid from the buckles.

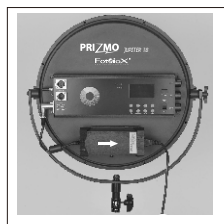


- 3.When hanging the light, always use the safety cable. Looping the through the yoke and the external support from which the light is hanging; connect the ends of the cable with the provided carabiner.

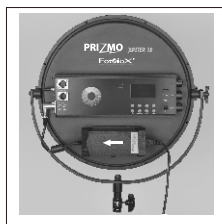


## 4. Installing the AC power adapter

- (1) The V-lock mount is pre-installed on the AC power adapter.
- (2) Install the power adapter with V-lock plate on the back of the light. It is successfully installed when you hear the lock mechanism click.
- (3) To remove the adapter, press down on the V-lock release button and push the adapter out of the V-lock plate.



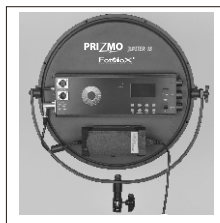
Attaching the adapter



Removing the adapter

## 5. Connecting the power supply

- (1) Insert the 4-pin XLR plug output from the AC power adapter into the 4-pin XLR socket on the lower left corner of the control panel. Attach the power cord to the AC power adapter.
- (2) Connect the AC power adapter to the external AC power (AC100V-240V) You will now be able to power your light and view real-time data on the LCD display.



## 6. Battery Power

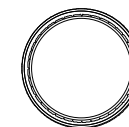
This product can be powered by an external battery attached to the product's built in V-lock plate. Insert your V-lock battery (sold separately) into the V-lock plate. To remove the battery, press the release button and slide the battery out in the opposite direction.

Note: The PZM-700R operates on 1 battery with an output power of 150W or more. When the battery is used to power the light, the maximum output power is reduced to 80%.



## Functions of the control knobs:

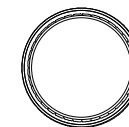
### 1. Selector Knob:



Selector Knob

Rotate the selector knob to select the desired mode in the menu, press once to select. In certain modes, parameters such as CCT, CMB, SPD, and Frq may be adjusted using this knob. In HSI, CCT, RGBWT mode, press the knob for several seconds to save the current settings.

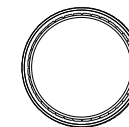
### 2. Saturation Knob:



SAT 0-100%

In the HSI mode, SAT can be adjusted 0-100%. In other modes, parameters such as SAT, CMB, Col, may be adjusted using this knob.

### 3. Intensity knob:



Brightness 0-100%

Adjusts brightness from 0-100% in any mode (0-80% when using battery power)

## I. LCD display screen and menu instructions:

(Boot display Welcome message.)

FOTODIOX  
WELCOME TO USE

Main menu

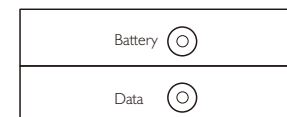
MENU

- 1.CCT
- 2.HSI
- 3.RGBWT
- 4.Filters
- 5.Special Effect
- 6.Scenes
- 7.Lang
- 8.DMX Settings
- 9.RMT Settings

## Operating Instructions:

1. Use the Selector knob to highlight the desired sub-menu option, press the knob once to select.
2. In the main menu, you may also press the operation shortcut buttons to enter a menu option directly. There are nine modes: CCT, HSI, RGBWT, Filters, Special Effects, Scenes, Language, DMX channel setting and Remote control channel setting.
3. From any of the menus, press the BACK button to return to the previous menu. You may also enter the main menu using the MENU button.

## Indicator function description:



## 1. Battery indicator

When the battery indicator light is on: the V-lock battery is being used to power the light.  
 When the battery indicator light flashes: the V-lock battery is running low.  
 When the battery indicator light is off: the AC power adapter is being used to power the light.  
 Note: when the battery is used to power the light, the max output power is reduced to 80%.

## 2. Data indicator

When the data indicator is on: the DMX512 remote control function is being used.  
 When the data indicator flashes: the USB port is being used for data upgrade.  
 The data indicator flashes once each time the light receives an effective remote control signal.

## 3. USB port operation:



When the device requires a software upgrade, you can connect a USB flash drive through the USB port.  
 (Upgrade software can be downloaded from [www.fotodioxpro.com](http://www.fotodioxpro.com))

## Operation:

- (1) Download the updates to an USB flash drive from [www.fotodioxpro.com](http://www.fotodioxpro.com)
- (2) Remove the dustproof plug from the USB port and insert the USB flash drive with the upgrade program.
- (3) Power on; the DATA indicator light will flash. The upgrades is complete when the "Welcome" message appears in the LCD display.
- (4) It takes about 15 seconds to finish upgrading. After the upgrade is complete, remove the USB flash drive and replace the dustproof plug.

[Menu function instructions:]

#### 1. CCT (color temperature)

M1, M2, M3, M4, M5 -----switch data back and forth with the "Select" knob  
 CCT (color temp.): 2800K-10000K -----adjust using the "selector" knob  
 GN:- I/+ I -----adjust using the "saturation" knob  
 INT: 0-100% -----adjust using the "intensity" knob

#### 2. HSI

R+G+B, R+G, R+B, G+B -----switch back and forth with the "Selector" knob  
 HUE: 0-360 ° -----adjust using the "Selector" knob  
 SAT (saturation): 0-100% -----adjust using the "Saturation" knob  
 INT (intensity): 0-100% -----adjust using the "Intensity" knob

#### 3. RGBWT

RGBWT selection -----adjust using the "Selector" knob  
 Red: 0-100% -----adjust using the "Intensity" knob  
 Green: 0-100% -----adjust using the "Intensity" knob  
 Blue: 0-100% -----adjust using the "Intensity" knob  
 White: 0-100% -----adjust using the "Intensity" knob  
 Tungsten: 0-100% -----adjust using the "Intensity" knob

#### 4. Special effect

Use the selector knob to highlight the desired effect. Push the knob once to enter. Use the selector, saturation and intensity knobs to adjust the parameters.

\*OFF

\*Party effect

-----SPD (speed): 0-100% SAT: 0-100% INT: 0-100%

\*Candle

-----SPD: 0-100% COL: warm / warm white / white INT: 0-100%

\*Clouds

-----SPD: 0-100% INT: 0-100%

\*Club lights

-----SPD: 0-100% COL: 03-24 INT: 0-100%

\*Color chase

-----SPD: 0-100% SAT: 0-100% INT: 0-100%

\*Cop car

-----CMB(combination): R+B+W/B+W/R+B/B INT: 0-100%

\*Fire

-----SPD: 0-100% INT: 0-100%

\*Fireworks

-----FRQ(frequency): 0-100% CMB: COLOR/WHITE/C+W INT: 0-100%

\*Lightning

-----SPD: 0-100% INT: 0-100%

#### 5. Filters

Filter comparison table

FOTODIOX No.	Rosco	Description	FOTODIOX No.	Rosco	Description
0328	R3202	CTB	9203	4307	07 CYAN
1228	R3203	3/4 CTB	2219	4315	15 CYAN
1218	R3204	1/2 CTB	2418	4330	30 CYAN
2218	R3206	1/3 CTB	0828	4360	60 CYAN
2118	R3208	1/4 CTB	0925	4390	90 CYAN
2108	R3216	1/8 CTB	2209	4415	15 GREEN
0586	R3220	2X CTB	6506	4430	30 GREEN
9101	R3407	CTO	9701	4460	60 GREEN
9103	R3411	3/4 CTO	9901	4490	90 GREEN
6106	R3408	1/2 CTO	4208	4515	15 YELLOW
3108	R3409	1/4 CTO	9304	4530	30 YELLOW
3109	R3410	1/8 CTO	9301	4560	60 YELLOW
9100	3420	2X CTO	9300	4590	90 YELLOW
9201	3441	CTS	3009	4615	15 RED
9206	3442	1/2 CTS	9008	4630	30 RED
3208	3443	1/4 CTS	9002	4660	60 RED
4108	3444	1/8 CTS	9000	4690	90 RED
6408	3304	GREEN	3007	4715	15 MAGENTA
2208	3315	1/2 GREEN	7018	4730	30 MAGENTA
2109	3316	1/4 GREEN	9013	4760	60 MAGENTA
2106	3317	1/8 GREEN	9012	4790	90 MAGENTA
4009	3308	MAGENTA	3006	4815	15 PINK
3008	3309	3/4 MAGENTA	8008	4830	30 PINK
4008	3313	1/2 MAGENTA	9003	4860	60 PINK
3118	3314	1/4 MAGENTA	9001	4890	90 PINK
2107	3318	1/8 MAGENTA			
9102	3310				

## 6.Scenes

Use the selector knob to highlight the desired mode. Push the knob once to enter. Use the selector, saturation and intensity knobs to adjust the parameters.

\*Mode ONE [M1 M2 M3 M4 M5]

-----(CCT mode) CCT:2800-10000 K INT: 0-100%  
GN: -1 / +1

\*Mode TWO G+B, R+G+B, R+G, R+B

-----(HSI mode) HUE: 0-360° , SAT: 0-100% INT: 0-100%

\*Mode THREE

-----(RGBWT mode) Red: 0-100% Green: 0-100% Blu: 0-100% W:0-100% T: 0-100%

## 7.[Lang] (language)

Use the selector knob to highlight the desired language. Push the knob once to select.

\*English

\*Chinese

## 8.DMX settings

Adjust the DMX address using the selector knob, push the knob to select the address.

DMX Address: 001-512

## 9.RMT settings (remote control settings)

Remote control operating instructions:

1.On the light, go to menu and enter RMT settings. Set the desired wireless receiving address from 0-511.

2.On the remote control, go to menu and enter RMT settings. Set the desired wireless receiving address from 0-511.

3.Make sure the wireless receiving address on the light matches the light receiving address on the remote control.

The remote control can control multiple lights at the same time.

4.The wireless remote control has a working distance of approximately 65 feet (20 meters).

Note: After setting the wireless receiving address in the RMT settings on the light, you cannot change the address through the remote control. You can only manually adjust it through the RMT settings on the light.

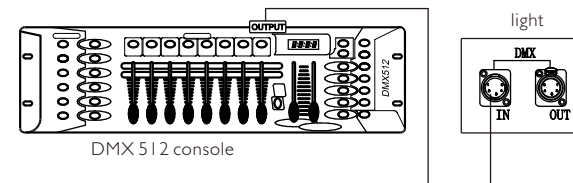
## 10.Factory reset

To restore the light or remote control to factory settings:

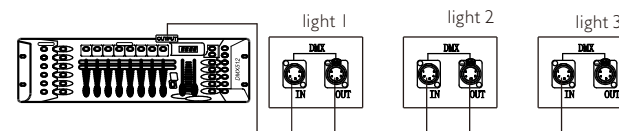
Press and hold the MENU button on the light or on the remote control for more than 4 seconds in the main menu on the light, the entire device will reset, and the data will be restored to the factory setting state.

## 11.DMX connection

When operating DMX, connect the DMX cable to the console (the specific wiring is shown in the diagram below), then set the DMX address to match the console address.



DMX single light connection diagram



DMX 512 console DMX multiple light connection diagram

## 12.DMX control: First, the menu needs to be switched to the DMX control interface.

Note: Seven channels are required for proper DMX control over all parameters.

8 Bit  
10 Channels

For example:

In DMX address setting 1, 1-1 is brightness control, 1-2 is color temperature control, 1-3 is red and green deviation control, 1-4 is saturation control, 1-5 is monochrome red control, 1-6 is monochrome green control, and 1-7 is monochrome blue control.

## DMX address comparison table:

LCD display address	DMX console channels
1	1-1(brightness)1-2(color temperature)1-3(red/green deviation)1-4(sat) 1-5(red) 1-6(green) 1-7(blue)
2	1-2(brightness) 1-3(color temperature)1-4(red/green deviation) 1-5(sat) 1-6(red) 1-7(green) 1-8(blue)
.....	
16	1-16(brightness) 2-1(color temperature) 2-2(red/green deviation) 2-3(sat) 2-4(red) 2-5(green) 2-6(blue)
17	2-1(brightness) 2-2(color temperature) 2-3(red/green deviation) 2-4(sat) 2-5(red) 2-6(green) 2-7(blue)
.....	
506	32-10(brightness) 32-11(color temperature) 32-12(red/green deviation) 32-13(saturation) 32-14(red) 32-15(green) 32-16(blue)
507-512	

All Fotodiox products are backed by a 24 month limited warranty.