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PRIZMO Go

PZM-120GO

USER MANUAL

PZM-120GO

Introduction:
Thank you for choosing the Prizmo Go (PZM-120GO) RGBTW light from Fotodiox. This light is designed with an all-aluminum frame for durability and enhanced heat dissipation. The Prizmo Go is a compact, soft and efficient full color, flat panel LED light featuring an optimized color spectrum with adjustable green/magenta shift for accurate color reproduction.

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 (CCT mode)
3.Complete 0-360° color selection (HSI mode)
4.Fully dimmable from 0-100%
5.Pre-programmed scene and special effects.
6.CRI (Ra)≥95; TLCI (Qa)≥95
7. Integrated V-lock battery plate for battery power on the go (batteries sold separately)
8.Firmware upgradable via USB flash drive.
9.The LCD displays real-time data.
10.Low heat LED technology provides steady and accurate lighting under varying conditions.
11.Mobile APP available
12.DMX512 compatible.
13.Suitable for indoor or outdoor photograph and videography. Great for studio or location shoots including TV, film, portrait photography and more.

Warnings:
1.Do not disassemble or modify the light.
2.Do not operate with wet hands, doing so may cause electric shock.
3.Do not operate in environments near flammable gasses or volatile liquids as this may increase the risk of explosion/fire.
4.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.
5.Do not touch the plug or AC adapter with wet hands; doing so may cause electric shock.
6.Do not damage, disassemble, twist or modify the power cord as it doing so may increase the risk of fire or electric shock.
7.Do not place under heavy objects.
8.Avoid impact to the LCD display.
9.Avoid dust and debris buildup as this will change the illuminance and color temperature.
10.Keep the light surface clean with a soft, dry cloth.
11.Use ONLY the provided AC power adapter; using other AC power adapters may result in damage to the light. Should you need a replacement please contact techsupport@fotodiox.com
12.ALWAYS use the included safety cable when hanging the light.

Packing List:

Prizmo Go (PZM-120GO)
① Prizmo Go -1PC   ② AC power adapter (144W)-1PC   ③ Power cable -1PC
④ DMX cable-1PC   ⑤ Safety cable-1PC   ⑥ Instruction Manual-1PC
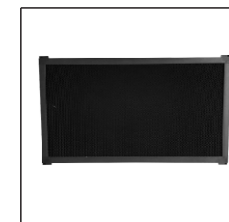⑦ Carrying case -1PC

Optional accessories:

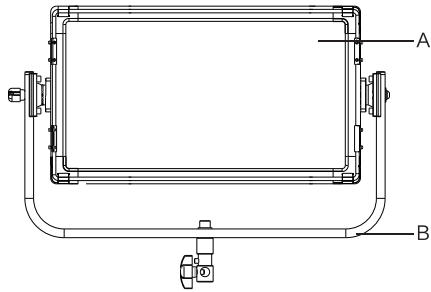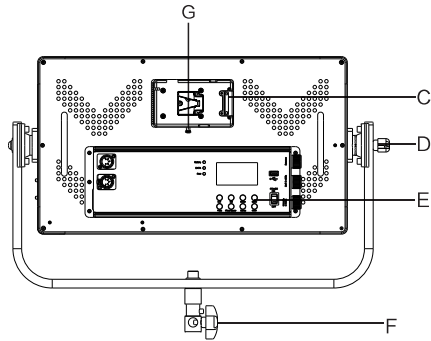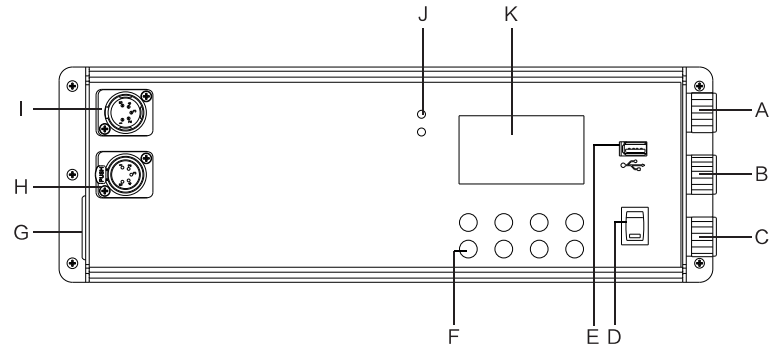Remote control   Softbox (S-PZM-120GO)   Honeycomb grid (HC-120)

1

Parts Diagram:

Prizmo Go (PZM-120GO)

Ⓐ Luminous surface

Ⓑ Yoke

Ⓒ V-lock battery plate

Ⓓ Yoke locking knob

Ⓔ Control panel

Ⓕ Stand mount locking screw

Ⓖ V-lock release button

Control panel (PZM-120GO):

PZM-120GO control panel:

Ⓐ Selector knob   Ⓑ SAT knob   Ⓒ Intensity (brightness) knob

Ⓓ Power ON/OFF switch   Ⓔ USB port

Ⓕ Operation buttons (CCT, HSI, RGBWT, MENU, Filters, Special Effects, Scenes, Back)

Ⓖ DC input socket (4-pin XLR) Ⓗ DMX input   Ⓘ DMX output

Ⓙ Battery/Data indicators   Ⓚ LCD screen

Specifications:

| NO.	Spec	Prizmo Go (PZM-120GO)
1	LED/Diffusion	Prizmo technology
2	Luminous surface	18.9 x 9.8 in (48 x 25cm)
3	Beam angle	120°
4	Color light	Full RGBW+T gamut with HSI control
5	Dimming	0-100% continuously adjustable
6	White light	2800K-10000K continuously adjustable (CCT mode)
7	CRI(Ra)	≥95
8	TLCI(Qa)	≥95
9	Color temperature error	±100K
10	Control options	Control panel, DMX512, Remote control, Mobile APP
11	Power input	AC100-240V, 50/60Hz, DC15V
12	Power output	120W max
13	Battery plate	V-lock
14	Battery power	DC12-17V
15	Battery power input	0-80%
16	Working temperature	−4-113°F (-20-45°C)
17	Protection	IP20
18	LED life time	Up to 50,000 hours
19	Weight	14.3lb (6.47kg without AC adapter), 15.8lb (7.17kg with AC adapter)
20	Dimensions	26.3 x 18.7 x 3.1in (67 x 47.5 x 8cm)

PZM-120GO illuminance data:

Distance \ Color temperature Illuminance	2800K	3200K	5600K	10000K
0.5m	9553Lux	10028Lux	10329Lux	9507Lux
1m	2632Lux	2803Lux	2894Lux	2640Lux
2m	696Lux	739Lux	757Lux	697Lux

| Distance \ Color Illuminance	Red	Green	Blue
0.5m	2177Lux	5492Lux	987Lux
1m	595Lux	1534Lux	260Lux
2m	161Lux	401Lux	72Lux

Set up instructions:
1.How to set up the light :
(1) To mount on light support or stud: Loosen the stand mount locking screw by turning counterclockwise. Place the mount onto the compatible light support. Turn the stand mount locking screw clockwise to secure the light to the light support.
(2) Adjust the light to the desired angle by loosening the yoke locking knob by turning counterclockwise. Move the light to the desired position, then tighten the yoke locking knob by turning clockwise.
(3)When mounting to a 1 1/8" (junior) stud, it will be necessary to remove the set screw using an M4 hex wrench.

Stand mount locking screw
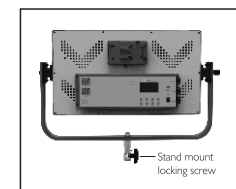
2.Using the barn doors
(1) Place the bottom tabs of the barn door assembly into the bottom clips on the front of the light, then press the top tabs into the upper clips on the light.
(2) Check all four clips after installation to ensure the barn door assembly is securely installed.
(3) To remove the barn door assembly, push the top clips upward to release the top edge of the barn door assembly. Once the top tabs are loose, tip the barn door assembly away from the light and pull upward to remove.
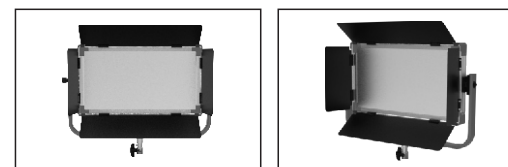
3.How to use the safety cable
(1) ALWAYS use the safety cable when hanging the light.
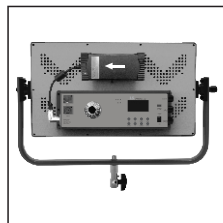(2) Fix the safety cable through the yoke and around the light support.
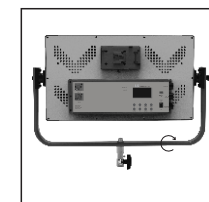
4.Installing the AC power adapter
(1) A V-lock holder is pre-installed on the AC power adapter.
(2) Install the power adapter with V-lock holder onto the integrated V-lock plate on the rear of the light. The AC power adapter is successfully installed when the locking mechanism clicks.
(3) To remove the AC power adapter, press down on the V-lock release button and slide the adapter out of the V-lock plate.
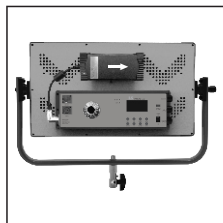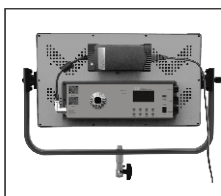
Attaching the adapter   Removing the adapter

5.AC power
（1）Insert the DC output (4-pin XLR) from the AC power adapter into the DC input socket (4-pin XLR) on the lower left side of the control panel.
（2）Attach the power cable to the AC power adapter.
（3）Connect the power cable to external AC power (AC100-240V).

6.Battery power
Prizmo Go can be powered by an external battery attached to the integrated V-lock plate. Insert your V-lock battery (sold separately) into the V-lock plate. To remove the battery, press the V-lock release button and slide the battery out of the V-lock plate.
*Note: The PZM-120GO requires a battery with an output of 150W or greater for proper operation.
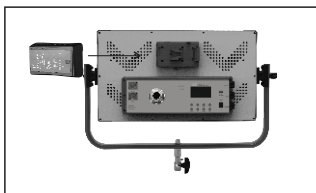
Functions of the control knobs:

1.Selector Knob:
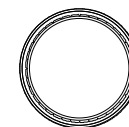
Selector Knob

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

2.SAT Knob:
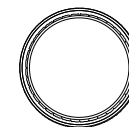
SAT 0-100%

In HSI mode, saturation 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% on battery power.)

LCD screen and menu instructions:

(Boot screen welcome message)

WELCOME TO USE

Main menu

MENU
1.CCT
2.HSI
3.RGBW
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 one time to select.

2.In the main menu, the operation buttons may be used to directly enter a sub-menu option. There are nine modes: CCT, HSI, RGBWT, Filters, Special Effect, Scene, Language, DMX Settings and RMT Settings.

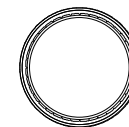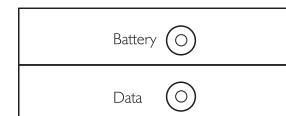3.From any of the menus, press the BACK button to return to the previous menu. Press the MENU button to return to the main menu at any time.

Indicator function description:

Battery	◯
Data	◯

1.Battery indicator

When the battery indicator is on: V-lock battery is being used to power the light.

When the battery indicator light flashes: V-lock battery is running low.

When the battery indicator light is off: AC power adapter is being used to power the light.

*Note: When powered by battery the max output of the light is reduced to 80%.

2.Data indicator

When the data indicator light is on: DMX512 remote control function is being used.

When the data indicator light flashes: USB port is being used for data upgrade.

The data indicator light flashes once each time the light receives an effective remote control signal

3.USB port operation:

USB
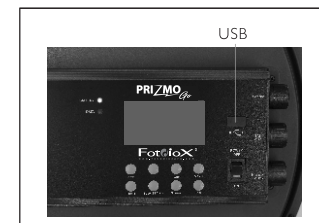
When the device requires a software upgrade, the upgrade can be applied by connecting a USB flash drive through the USB Port. Software upgrades can be found on www.fotodioxpro.com.

Upgrade operation:

(1) Download the updates from www.fotodioxpro.com and save to USB flash drive.

(2) Remove the dustproof plug from the USB port and insert the USB flash drive loaded with the upgrade program.

(3) Press the Power ON/OFF button to turn the power ON. The DATA indicator light will flash.

(4) The upgrade will take approximately 15 seconds. The upgrade is complete when the "Welcome" message appears on the LCD.

(5) When the upgrade is complete, remove the USB flash drive and replace the dustproof plug.

[Menu function instructions:]

1.CCT (correlated color temperature)
 M1, M2, M3, M4, M5----------------switch back and forth with "Selector" knob
 CCT (color temperature): 2800-10000 K --------------------adjust using the"selector" knob
 GN:-1/+1---adjust using the "SAT" knob
 INT (intensity): 0-100% ---- --------------------------adjust using the "intensity" knob

2.HSI
 M1, M2, M3, M4, M5 ----------------switch back and forth with the "Selector"knob
 HUE: 0-360 ° ---- ------------------------------------adjust using the "Selector" knob
 SAT (saturation): 0-100% -------------------------adjust using the "SAT" knob
 INT (intensity): 0-100% ----------------------------- adjust using the "Intensity" knob

3.RGBW
 RGBW 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

4.Special Effect
Use the selector knob to highlight the desired effect, press the knob once to enter that effect. Use the
Selector, SAT 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
-----COL: R+B+W / B+W / R+B / B   INT: 0-100%
*Fire
-----SPD: 0-100%   INT: 0-100%
*Fireworks
-----FRQ(frequency): 0-100%   COL: COLOR / WHITE / C+W   INT: 0-100%
*Lightning
-----SPD: 0-100%   INT: 0-100%

5.Filters
 Filter reference table

Rosco	Description	Rosco	Description	Rosco	Description	Rosco	Description
R3202	CTB	3106	Tough MTY	4915	15 LAVENDER	365	Tharon Delft Blue
R3203	3/4 CTB	3102	Tough MT2	4930	30 LAVENDER	375	Cerulean Blue
R3204	1/2 CTB	4215	15 BLUE	4960	60 LAVENDER	376	Bermuda Blue
R3206	1/3 CTB	4230	30 BLUE	4990	90 LAVENDER	77	Green Blue
R3208	1/4 CTB	4260	60 BLUE	2001	Storaro Red	378	Alice Blue
R3216	1/8 CTB	4290	90 BLUE	2002	Storaro Orange	80	Primary Blue
R3220	2X CTB	4307	07 CYAN	2003	Storaro Yellow	381	Baldassari Blue
R3407	CTO	4315	15 CYAN	2004	Storaro Green	83	Medium Blue
R3411	3/4 CTO	4330	30 CYAN	2005	Storaro Cyan	87	Pale Yellow Green
R3408	1/2 CTO	4360	60 CYAN	2006	Storaro Azure	88	Light Green
R3409	1/4 CTO	4390	90 CYAN	2007	Storaro Blue	89	Moss Green
R3410	2X CTO	4415	15 GREEN	2008	Storaro Indigo	91	Primary Green
3420	1/8 CTO	4430	30 GREEN	2009	Storaro Violet	92	Turquoise
3441	CTS	4460	60 GREEN	2010	Storaro Magenta	93	Blue Green
3442	1/2 CTS	4490	90 GREEN	320	Peach	99	Chocolate
3443	1/4 CTS	4515	15 YELLOW	26	Light Red	2	Bastard Amber
3444	1/8 CTS	4530	30 YELLOW	33	No Color Pink	302	Pale Bastard Amber
3304	GREEN	4560	60 YELLOW	333	Blush Pink	6	No Color Straw
3315	1/2 GREEN	4590	90 YELLOW	34	Flesh Pink	8	Pale Gold
3316	1/4 GREEN	4615	15 RED	37	Pale Rose Pink	310	Daffodil
3317	1/8 GREEN	4630	30 RED	41	Salmon	12	Straw
3308	MAGENTA	4660	60 RED	42	Deep Salmon	16	Light Amber
3309	3/4 MAGENTA	4690	90 RED	44	Middle Rose	316	Gallo Gold
3313	1/2 MAGENTA	4715	15 MAGENTA	47	Light Rose Purple	17	Light Flame
3314	1/4 MAGENTA	4730	30 MAGENTA	51	Surprise Pink	18	Flame
3318	1/8 MAGENTA	4760	60 MAGENTA	60	No Color Blue	318	Mayan Sun
3310	Fluorofilter	4790	90 MAGENTA	360	Clearwater	21	Golden Amber
3150	Industrial Vapor	4815	15 PINK	62	Booster Blue	321	Soft Golden Amber
3152	Urban Vapor	4830	30 PINK	362	Tipton Blue	23	Orange
3107	Tough Y1	4860	60 PINK	364	Blue Bell	325	Henna Sky
3134	Tough MT 54	4890	90 PINK	65	Daylight Blue		

6.Scenes

Use the selector knob to highlight the desired mode, press the knob once to enter that mode. Use the Selector,
SAT 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

   -----(RGBW mode) Red: 0-100% Green: 0-100% Blue: 0-100% White: 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.

  Available DMX address range: 001-512

9.RMT settings (remote control settings)

Remote control operating instructions:

1.On the light, enter the RMT settings menu. Use the Selector knob to select the wireless receiving address from
0-511, press the knob once to set the address.

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

3.Ensure that the wireless receiving address on the light and remote are the same. The remote control can control
multiple lights.

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

*Note: After the wireless receiving address has been set on the light, it cannot be changed through the remote control.
The address can only be manually adjusted through the menu system on the light.

10.Factory reset

To perform a factory reset on the light or remote control:

Press the menu button the appropriate device for 4 seconds or longer. The entire device will reset to the factory defaults.

11.DMX connection

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

DMX 512 console
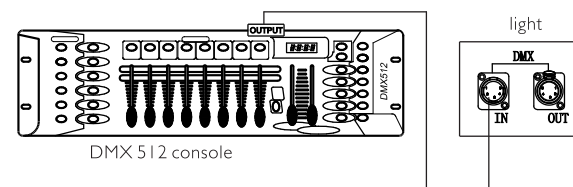
light

DMX single light connection diagram

DMX 512 console

light 1   light 2   light 3
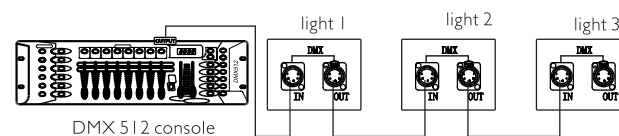
DMX multiple light connection diagram

12.DMX control: Enter the DMX control interface on the light.
*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.