

FP FLASHPOINT



Studio 300/400 Monolight P2
with Built-in R2 2.4GHz Radio Remote System








FPLFS300B/ FPLFS400B

Thank You for Choosing Flashpoint!

The new Flashpoint Studio300 R2 and Studio400 R2 are 300 and 400 watt second monolights, designed to be compact AC studio members of the R2 Family of wireless radio controlled flashes. The small units deliver GN 190 (ft) / 58 (m) - Studio300, and GN 213 (ft) / 65 (m) - Studio400, respectively, with standard Bowens reflectors and modifiers. Add the pro quartz modeling light feature and the picture is complete. The incredible amount of power and control in these compact and lightweight flashes, make this design a first choice of all photographers with an eye for flexible multiple light set up in a studio or home environment. You can use them on household circuits without blowing fuses. And the same R2 Wireless Remotes that command the Flashpoint XPLORE600, Streaklights, Zooms, eVOLVE200, Rapid and Mini's, work in total harmony with the Studio Series to bring the same R2 ease of control to the studio based world of photography. The Studio300 R2 and Studio400 R2 have a max recycle times of 2.5 and 2 seconds, respectively, and reliability that only AC can guarantee.

Please feel free to contact us at Brands@Adorama.com .

CAUTION

-  Overheating will occur if it is used for more than 30 continuous full power flashes. Please allow the unit to cool down to prevent damage.
-  Do not keep using the modeling lamp for a long time without supervision. Flammable accessories attaching to the head, e.g. a softbox, may get toasty.
-  When using a snoot, do not keep the modeling lamp on for a long time or fire too frequently, not over six times per minute. Overheating may result in damage to the strobe housing or light.
-  Do not touch the two terminals of the tube outlet as there is high voltage inside. Wear insulated gloves before replacing the tube or modeling lamp.
-  Avoid sudden impacts as this can damage the flash tube and/or modeling lamp.
-  Do not flash directly in the face at close distances (especially those of babies), as it may cause visual impairment.
-  Disconnect from the power supply when it will not be used for an extended period.

For Your Safety

To prevent damage to the product or injury to you or to others, read the following safety precautions in their entirety before using this device. Keep these safety instructions where users can read them for ready reference.

Do not disassemble or modify

There are high-voltage components inside the unit. Failure to observe this precaution could result in electric shock or product malfunction. Should the product break open as the result of a fall or other accident, send the defective back to the authorized service center for inspection and maintenance.

Keep dry

Do not handle with wet hands, immerse in water, or expose to rain. Failure to observe this precaution could result in fire or electric shock.

Keep out of reach of children

This device contains small parts that may pose a choking hazard. Consult a physician immediately if a child swallows any part of this device.

Do not expose to high temperature

Do not leave the device in a closed vehicle in the sun or in other areas subject to extremely high temperature. Failure to observe this precaution could result in fire or damage to the housing or internal parts.

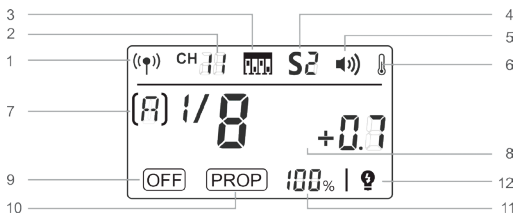
NAMES OF PARTS



1. AC Power Cord Socket
2. Sync Cord Jack
3. Power Switch
4. Open Flash Test Button
5. Modeling Lamp Button (ON/OFF)
6. Slave Model Button (S1/S2)
7. Group/Channel Selection Button
8. BUZZ (Audio Signal) Button
9. R1 Wireless Control Port
10. LCD Display

11. Optical Slave Light Sensor
12. Modeling Lamp Indicator
13. Power Ready Indicator
14. Select Dial + SET Button
15. Fuse
16. Stand Mount Knob
17. Umbrella Shaft Input
18. Head Tilt Lock

LCD Panel



1. R2 2.4G Wireless Transmission
2. Wireless Channel Selection
3. Wireless Channel Switch Code
4. Slave Model Indicator
5. Audio Beep
6. Temperature Alarm Display
7. Wireless Group Designation
8. Flash Output
9. Modeling Lamp is OFF
10. Modeling Lamp is in the PROP mode
11. Modeling Lamp shows the power in percentage
12. Modeling Lamp is OFF when the flash is triggered, ON upon recycle

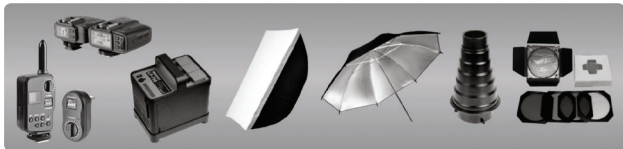
LCD Panel

1. Power Cord
2. Lamp Cover
3. Modeling Lamp
4. Instruction Manual



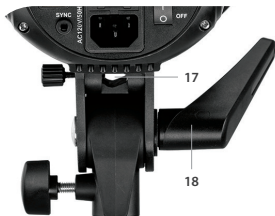
Separately Sold Accessories

The product can be used in combination with the following accessories sold separately, so as to achieve best great lighting: R2T or R1 remote control, AC Power Inverter, Glow Softbox, Umbrella, Light Stand, Barndoor, Snoot, etc.



Operations

1. Remove the lamp cover. Install the modeling lamp and attach a standard reflector.
To detach the standard reflector, press the release button on the flash head and turn the standard reflector counterclockwise.
2. Attach the flash unit onto an appropriate light stand. Adjust the mounting bracket (16) and make sure it is tightened. Use the (18) to adjust the flash to a desired direction. Umbrella shaft channel (17) Head tilt lock accommodates most umbrella diameters.



Power Connection

Firmly insert the power cord and connect the flash to an AC power source. Turn on the power switch (3).

Modeling Lamp

Short press the Modeling Lamp Button (5) to choose the modeling lamp's mode (OFF/ON, PROP and Percentage); and long press the Modeling Lamp Button (5) to set the lamp to INTERMITTENT Mode, linking the modeling lamp to indicate the completion of recycle of the flash. Modeling lamp will be turned off automatically after 4 hours, as a safety measure.



When there is flammable accessory mounted on the flash unit, do not keep the modeling lamp on for an extended time, as there is no internal fan. Without ventilation within the accessory, a cool down period is recommended.

Power Output Control

The Select dial (14) varies the power output, setting the light requirements as needed. The power is adjustable in thirds of a stop from 1/16 to 1/1, in increments of tenths of a stop, clearly shown on the LCD display (10). "--" on the display indicates that the flash triggering function is turned off. Press the Test button to discharge power quickly when the flash output is adjusted from high to low. The red ready light (13) flashes to indicate energy bleed status until the power setting is reached.

Test Button

To fire the flash without taking a picture, press the test button (4). It can also help adjust the flash brightness when combined with the select dial (14). Press the SET button and turn on the flash to sample the power of the light.

Sync Triggering

The sync cord jack (2) accepts a Φ 3.5mm plug. Insert a trigger cord plug to fire in sync to an attached camera's PC socket.

GR/CH Button

A short press on the GR/CH button can adjust the monolight's wireless group. When the group indicator on the LCD panel is blinking, turn the select dial to change. A long press on the GR/CH button adjusts the wireless channel. When the channel indicator on the LCD panel is blinking, turn the SELECT dial to change. Press the SET button (14) to set the value. Make sure that the Transmitter and Slave units have the same values.

Optical Slave Trigger Modes

Three optical slave triggering modes are available and can be set by pressing the slave mode button (6).

- **No optical slave control:** S1 or S2 is not displayed on the LCD panel, indicating the slave triggering function is shut down.
- **First Flash Trigger: S1** is displayed on the LCD panel, indicating the strobe will fire immediately when the sensor sees another flash fire. In this mode, the flash can function as an slaved lamp, offering various effects of light and shadow.
- **Intelligent Slave/Second Flash Trigger: S2** is displayed on the LCD panel, indicating the optical sensor will ignore the pre-flash sent by a TTL flash and fire on the second flash of a TTL speedlite. In this mode, the flash can function as an slaved light to a TTL based system. The light output is always set manually on this Studio 300/400 R2 monolight.

Buzz Function

The sound button (8) is used for turning on the audible tone for signaling the ready status of the flash after recycling. The sound symbol is displayed on the LCD panel when active. A brief tone is heard indicating ready to fire status.

Key Button Combinations

Pressing the the GR/CH button and the S1/S2 buttons simultaneously turns the built-in R2 wireless receiver ON or OFF. If there are no wireless and channel indicators displayed on the LCD panel, the built-in wireless receiver is off. The presence of a Channel indicates that the R2 wireless receiver is on. Press the S1/S2 and BUZZ buttons simultaneously to recover factory settings.

Alarm Display

E0 The temperature sensor is not connected.

E1 A recycle error related to capacitance and voltage regulation.

E2 Components are over safe temperature limits.

E3 Discharged capacitance and voltage rating $>+10\%$. Audible alarm sounds, ringing twice per second. Press SET button to stop alarm signal.

Memory Function

The device is equipped with a memory function for retaining all the settings, 3 seconds after you set it. When turning on the flash the next time, the panel setting will be set the same as the last use.

R1 Wireless Control Function

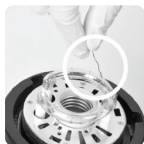
The flash unit has a built-in R2 2.4G wireless receiver, but R1 devices can be used with the Flashpoint R1 transmitter and receiver (FPRRSL) set.

- The flash unit has a Wireless Control Port (9) that can accept R1 remote control of the flash, modeling lamp and audio signal, as well as adjust the flash output level, and other functions.
- To control the flash wirelessly, you need the Flashpoint R1 Transmitter and Receiver remote control set (on-camera and on-flash). Insert the USB end into the Wireless Control Port (9) on the flash and insert the transmitter device into the camera hot shoe. Settings made on the hotshoe-mounted transmit and receive signals will be wirelessly communicated to the flash. The camera shutter-release button transmits your commands to trigger the flash.
- For full instructions on the use of R1 series remote control, see the The Flashpoint R1 Transmitter and Receiver Set (FPRRSL) user manual.



Flashtube Replacement

Turn off the power and remove the power cord before replacing the flash tube. Note the ground wire wrapped on the flashtube. Wear gloves to loosen the metal wire on the tube. Keep a firm hold on the two contact prongs of the flash tube and pull out the tube gently. Remove the contact prong sleeves from the old tube and put them on the new one. Hold two prongs of the new tube, and carefully directly towards the two copper socket outlets on the body, then push them carefully and firmly into place. Replace the ground wire on the flash tube as on the original tube.



TECHNICAL DATA

Flashpoint Model	Studio 300 Monolight	Studio 400 Monolight
Max Power (Ws)	300Ws	400Ws
Guide Number(ISO 100)	190ft / 58m	213ft / 65m
Color Temperature	5600±200k	
Operating Voltage	AC200-240V/50Hz or AC100-120V/60Hz	
Power Output Control	From 1/16 (6.0) to 1/1 (10.0) full power in tenths of a stop increments	
Modeling Lamp (W)	150W	
Modeling Lamp Level	5%~100%	
Recycle Time	0.4~2.5s	0.4~2s
Triggering Methods	R2 Wireless built-in, Sync cord, Test button, Optical slave triggering, R1 Wireless USB port	
Flash Duration	1/2000~1/800s	
Fuse	5A	
Dimension	Flash diameter Φ 5.0in/12.7cm. 8.1in/20.6cm Length 13.4in/34cm	Flash diameter Φ 5.0in/12.7cm. 9.1in/23.2cm Length 15in/38cm
Net Weight	Approx. 4.1lb / 1.9kg	Approx. 4.6 lb / 2.1 kg
Groups	16 [A-F and 0-9]	
Channels	32	
R2 2.4GHz Radio Range	328ft/100m	

MAINTENANCE

Turn off the device and disconnect it from mains immediately when it works abnormally and find out the reason, for the malfunction.

Avoid sudden impacts.

The unit should be kept should be kept dust free.

It is normal for the lamp to be warm when in use. Avoid continuous flashes if unnecessary.

Maintenance of the flash must be performed by our authorized maintenance department which can provide original accessories. The flashtube and the modeling lamp are user-replaceable.

Replacement tubes and lamps can be obtained from the Adorama/Flashpoint.

This product, except consumables e.g. flash tube and modeling lamp, is supported with a one-year warranty.

Unauthorized service will void the warranty.

If the product had failures or was exposed to moisture, do not use it until it is repaired by professional.

Disconnect the power when cleaning the flash or when changing the flashtube / modeling lamp.

Changes made to the specifications or designs may not be reflected in this manual.

Question about our product line? Need Product Support?

We are proud of our products and celebrate our customers. We are with you, from product selection to everyday use. Be secure with your purchase and reach us as you need.

Email us: brands@adorama.com

Call: 212-647-9300

Address: Adorama Brands, 42 West 18th Street, New York, NY 10011

You can always contact us at BRANDS@ADORAMA.COM for personal technical support.

Our web site contains a wide range of Support and FAQ pages with valuable technical assistance.

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ONE YEAR FLASHPOINT LIMITED WARRANTY

Flashpoint warrants to the original purchaser that your Flashpoint Studio 300/400 R2 Monolight shall be free from defects in material and workmanship for the period of one (1) year from the date of purchase (or delivery as may be required in certain jurisdictions), or thirty (30) days after replacement, whichever comes later.

Flashpoint's entire liability and your exclusive remedy for any breach of warranty shall be, at Flashpoint's option, to repair or replace the hardware, provided that the hardware is returned to the point of purchase or such other place as Flashpoint may direct with a copy of the sales receipt or dated itemized receipt. Flashpoint may, at its option, replace your product, offer to provide a functionally equivalent product, or repair any product with new, refurbished or used parts as long as such parts are in compliance with the product's technical specifications. Any replacement hardware product will be warranted for the remainder of the original warranty period or thirty (30) days, whichever is longer, or for any additional period of time that may be applicable in your jurisdiction. If the product has been discontinued, the warranty provider reserves the right to replace it with a model of equivalent quality and function.

This warranty does not cover problems or damage resulting from accident, abuse, misapplication, or any unauthorized repair, modification or disassembly, improper operation or maintenance, normal wear and tear, or usage not in accordance with product instructions or connection to improper voltage supply, use of consumables, such as replacement batteries, not supplied by Flashpoint, except where such restriction is prohibited by applicable law.

Except where prohibited by applicable law, this warranty is nontransferable and is limited to the original purchaser and the country in which the product was purchased. This warranty gives you specific legal rights, and you may also have other rights, including a longer warranty duration that may vary under local laws.

To start a warranty claim contact the Flashpoint Customer Service Department to obtain a return merchandise authorization ("RMA") number, and return the defective product to Flashpoint, along with the RMA number and proof of purchase.

