

FP FLASHPOINT



RAPID 600 Monolight **P2**
Bowens Mount

FPLFRP600B

Thank you for choosing Flashpoint!

The new RAPID 600 is a 600 Watt Second AC powered Rapid Recycle studio strobe, which is compatible with R2 radio system for remote power control and firing. The incredible amount of power and control in these compact and advanced units make the R2 System the first choice of professional photographers, and the RAPID 600 is the next evolution of that concept. With a focus on integrated lighting, the R2 family helps you focus less on your gear, and more on your subjects.

If you have any questions or concerns, please feel free to contact us at Brands@Adorama.com

RAPID 600 Features include:

- Greatest power in a compact package
- Rapid Recycle times for more client oriented session
- IGBT firing allows for shorter flash durations and HSS
- Color Consistency mode for perfect color, High Speed mode for shortest flash durations
- Advanced MASK mode for easy product cutouts
- Built in 2.4Ghz Flashpoint R2 radio system for full remote control. Functions as a controllable unit in a wireless flash group
- Backwards compatible with the Flashpoint R1 radio control system for manual output control and triggering
- Industry benchmark range and interference avoidance with the new INTEGRATED R2 Radio System
- Can also be triggered optically, or with a standard 1/4" sync cord
- Tilt head with integrated umbrella mount
- Vents and automatic fans for cooler, quieter running lights
- Many accessories available for the standard Bowens Mount
- Dot-matrix LCD panel with clear and convenient operation
- Power adjusts from full power to 1/128 in 1/10 stop increments
- Stable color temperature at 5600±200K over the entire power range
- 1/8000s high-speed sync flash
- Adjustable 150 watt modeling lamp with optional recycle notifications
- 1 Year Warranty

For Your Safety

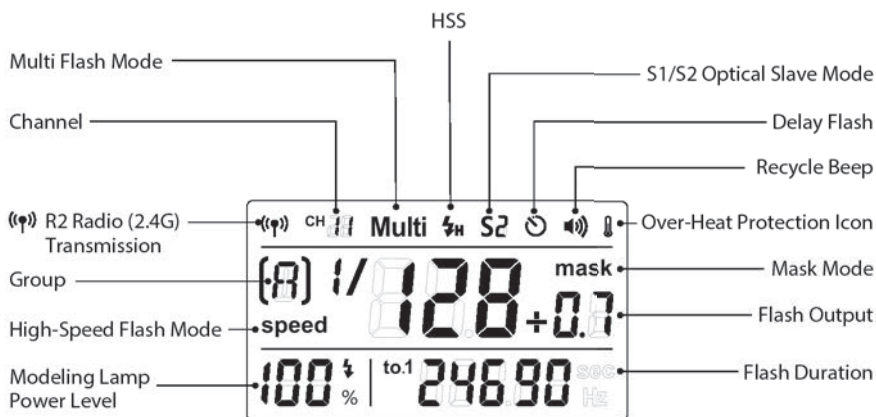
- Always keep this product dry. Do not use in rain or in damp conditions.
- This product contains high-voltage electronic parts. Touching the high-voltage circuit inside it may result in electric shock. Do not disassemble. Should repairs become necessary, this product must be sent to an authorized maintenance center.
- Stop using this product if it breaks open due to internal shifting, falling or strong impact. **STRONG** electric shock may occur if you touch the components inside it. You might DIE. Don't risk it. Reincarnation is not covered by the warranty.
- Never touch flashtubes with your bare hands, as oils from your skin can decrease flashtube life. We are not kidding.
- Do not fire the strobe directly into the eyes (especially those of babies and pets) within short distances. Otherwise visual impairment may occur. When taking pictures for babies, keep the strobe unit at least 1 meter (3.3 feet) away from them. Using bounce flash to reduce light intensity is also recommended. Plus it will make them look cuter. Because it creates softer light, and larger catchlights in the eyes. And makes them look more angelic. Which is good. Cause they are babies. They are SUPPOSED to look angelic! Also you won't get hard shadows from that ridiculous gigantic bow they decided to stick on the baby's head if you bounce your light.
- Do not use the strobe unit in the presence of flammable gases, chemicals and other similar materials. In certain circumstances, these materials may be sensitive to the strong light emitting from this strobe unit and fire may result. A whole new meaning to "Flashpoint".
- Do not leave or store the strobe unit if the ambient temperature reads over 50°C (e.g. in automobile in the sun). Otherwise the electronic parts may be damaged.
- Do not use any power source other than the a US 110~120V power outlet.
- If you power the strobe and your Desktop Computer from the same outlet and trip the breaker, your computer might shut down, losing all of the layers you just worked on for a long time in Photoshop. Always connect Desktop Computers to an Uninterrupted Power Supply. Saving your work is a good idea too.
- Do not insert metal parts into any lighting equipment.
- Do not touch the electrical contacts on the strobe or contact them with any conductive materials.
- This strobe has an over-heat protection circuit, rapid continuous firing will cause the strobe to slow operation and trigger a "cool down" period. After this period, the strobe will resume normal operation. You may also reboot the strobe by cycling the power off and then on.
- Do not use selective coloring.
- The strobe has a locking pin to ensure secure operation. To avoid damage, slide the release before removing any reflectors or accessories.
- In case of abnormal function, sparks, excessive heat, flames or smoke, immediately power off the unit and disconnect the battery if safely possible. Have it checked by an authorized technician.

Product Layout

Body



LCD Panel



Included Accessories

1. Power Cord
2. Standard Reflector
3. Lamp Cover
4. Glass Protection Cover
5. Modeling Lamp
6. Instruction Manual



Optional Accessories

R2T32
Transmitter



R2 Radios



R1 Radios



Hexapop/Parapop
rapid deployment
Softboxes



Other Light
Modifiers



Operation

Flash Setup

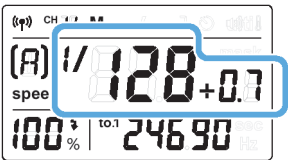
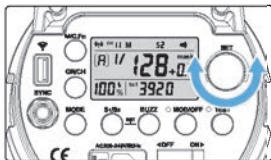
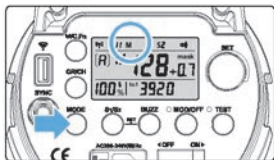
1. Remove the lamp cover. Install the modeling lamp and put on the glass protection cover and the reflector. (To remove the reflector, press the reflector release button on the flash head and turn the reflector counter-clockwise to remove it, as illustrated in the picture.)



2. Mount the strobe on an appropriate light stand. Make sure the stud is fully inserted, and that the mount screw is tightened and fixed. Use the angle adjustment handle to adjust the flash to a desired tilt.

M: Manual Flash


The flash output is adjustable from 1/1 (full power) to 1/128th power in 0.1 stop increments. To obtain a correct flash exposure, use a hand-held flash meter to determine the required flash output.



1 Press **<MODE>** button so that **<M>** is displayed.

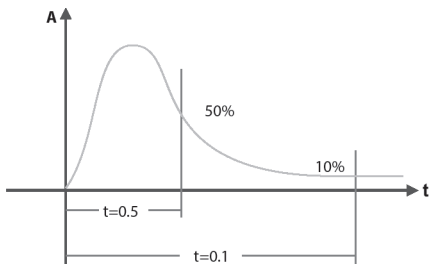
2 Turn the Select Dial to choose a desired flash output amount.

3 Push in the Select Dial (Set) to confirm.

 To remotely control the RAPID600 in 1/10 stop increments, use the R2T32 transmitter.

Display Flash Duration

Flash duration refers to the length of time from the flash's firing to reach the half peak at maximum. The half peak at maximum is usually expressed as $t=0.5$. In order to provide the photographer with more concrete data, this product adopts $t=0.1$. The difference between $t=0.5$ and $t=0.1$ is shown in the following picture.



 Flash duration will only be displayed in the M mode.

Stable Color Temperature Mode and High-Speed Flash (speed) Mode

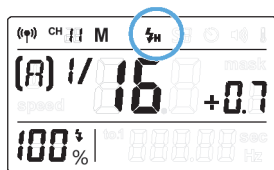
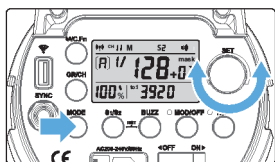
Stable Color Temperature Mode or High-Speed Flash (speed) Mode can be chosen in the C.Fn-F1 setting. These two modes are effective in M/Multi mode and ineffective in high-speed sync mode.

Stable Color Temperature Mode: color temperature ranges within $\pm 200\text{K}$, which is preferred by photographers who prioritize perfect color temperature.

High-Speed Flash (speed) Mode: the max flash duration is up to $t_{0.1} = 1/28984$, which is perfect for capturing frozen actions. As the color temperature is varied in this mode, please set the camera's white balance using a custom white balance.

High-Speed Sync Mode

In this mode, you can set the flash output from 1/1 full power to 1/16th power in 0.3 stop increments. High Speed Sync enables the flash to synchronize with all camera shutter speeds. This is convenient when you want to use aperture priority for fill-flash portraits outdoors.



1 Press the **<MODE>** Button so that **<H>** is displayed.

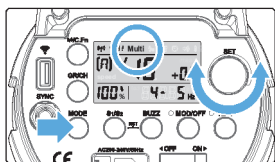
2 Turn the Select Dial to set the flash output power.

3 Trigger the light using an R2 series trigger for your camera brand.

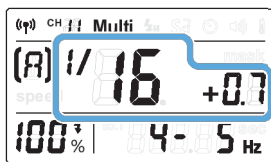
- With high-speed sync, the faster the shutter speed, the shorter the effective flash range and power.
- Multi flash mode cannot be set in high-speed sync mode.
- With high-speed sync, the color temperature is lower (decrease around 700K) because of tube's characteristics. Please set the camera to a Custom White Balance and/or shoot RAW.

Multi: Stroboscopic Flash

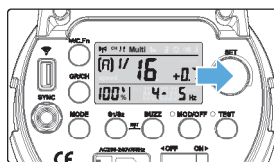
In this mode, you can set the flash output from 1/128th power to 1/8th power in 0.3 stop increments. With stroboscopic flash, a rapid series of flashes is fired. It can be used to capture a multiple images of a moving subject in a single photograph. You can set the firing frequency (number of flashes per sec. expressed as Hz), the number of flashes, and the flash output.



1 Press **<MODE>** button so that **<Multi>** is displayed.



2 Turn the Select Dial to choose a desired flash output.



3 Set the flash frequency and flash times.

- Press **<SET>** Button to select the flash times. Turn the Select Dial to set the number.
- Press **<SET>** Button to select the flash frequency. Turn the Select Dial to set the number.

Calculating the Shutter Speed

During stroboscopic flash, the shutter should remain open until the firing stops. Use the formula below to calculate the shutter speed and set it on the camera.

$$\text{Number of Flashes} / \text{Flash Frequency} = \text{Shutter Speed}$$

For example, if the number of flashes is 10 and the firing frequency is 5 Hz, the shutter speed should be at least 2 seconds.



- Stroboscopic flash is most effective with a light colored subject against a dark background.
- Using a tripod and a remote shutter is recommended.
- A flash output of 1/1 and 1/2 cannot be set for stroboscopic flash.
- If the number of flashes is displayed as "--", the firing will continue until the shutter closes or the battery is exhausted. The number of flashes will be limited as shown by the following table.

Maximum Stroboscopic Flashes:

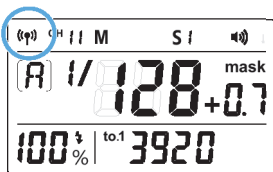
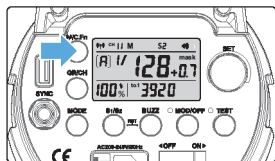
Flash Output \ Hz	1	2	3	4	5	6-7	8-9	10	11	12-14	15-19	20-30
1/8	7	6	5	4	4	3	3	2	2	2	2	2
1/16(+0.3, +0.7)	14	14	12	10	8	6	5	4	4	4	4	4
1/32(+0.3, +0.7)	30	30	30	20	20	20	10	8	8	8	8	8
1/64(+0.3, +0.7)	60	60	60	50	50	40	30	20	20	20	18	16
1/128(+0.3, +0.7)	99	99	90	80	80	70	60	50	40	40	35	30

Wireless Flash Shooting: R2 Radio (2.4G) Transmission

The FLASHPOINT RAPID 600 features the built-in 2.4G wireless R2 system, which is compatible with other Flashpoint R2 enabled radios and strobes, for manual power control and triggering.

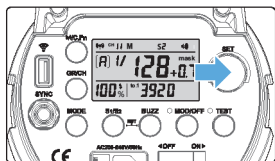
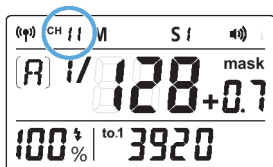
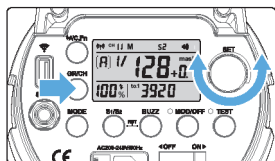
Wireless Settings

Press **<M/C.Fn>** Wireless Button so that **<W>** is displayed, entering the R2 Wireless Mode.



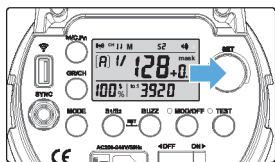
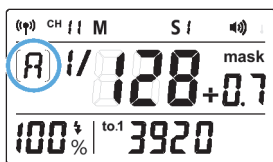
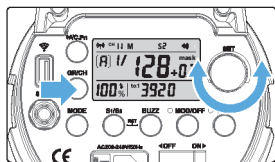
Setting the Channel

If there are other wireless flash systems nearby, you can change the channel IDs to prevent signal interference. The channel IDs of the master unit and the slave unit(s) must be the same.



- 1 Long press the **<GR/CH>** Button for 2 seconds until the channel IDs is blinking.
- 2 Turn the Select Dial to choose the channel from 1 to 32.
- 3 Press the **<SET>** Button to confirm.

Setting the Communication Group

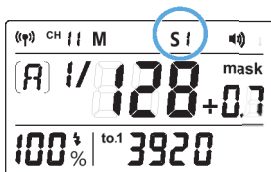
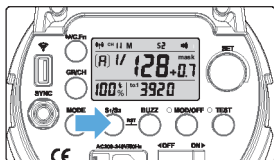


- 1 Short press the **<GR/CH>** Button for 2 seconds until the group IDs is blinking.
- 2 Turn the Select Dial to choose the group from 0 to F. (R2 speedlights and TTL transmitters may only control groups A-E)
- 3 Press the **<SET>** Button to confirm.

Optical Slave Trigger Mode

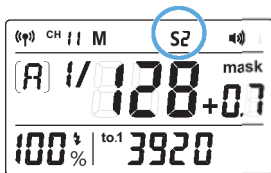
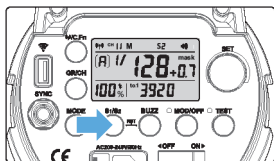
Optical S1 Slave Mode

In M manual flash mode, press < S1/S2 > button so that this flash can function as an Optical Slave, triggered by the Optical sensor. With this function, the flash will fire simultaneously when the main flash fires, the same effect as that by the use of radio triggers. This helps create multiple strobe setups. Use this mode when firing another manual powered flash, and in areas where no one else is doing flash photography.



Optical S2 Intelligent Slave Mode

Press < S1/S2 > button so that this flash can also function as an Intelligent Optical slave. This is for triggering the strobe in manual power with a TTL speedlight. In this mode, the flash will ignore a single "preflash" from the speedlight and will only fire in response to the second, actual flash from the main unit. Use this mode when firing a TTL speedlight, and in areas where no one else is doing flash photography.



Modeling Lamp

This strobe has a 150W modeling lamp which offers 5% to 100% light adjustment and 2 constant lighting modes.

Turning on and setting the Modeling lamp:

1. When the modeling lamp is OFF, short press the Modeling Lamp Button to turn it on.
2. When the modeling lamp is ON, short press the Modeling Lamp Button to set the light brightness. With the lighting amount blinking, turn the Select Dial to choose.

• Turn off the Modeling Lamp

Long press the Modeling Lamp Button for 2 seconds to turn it off.

• Choose the Modeling Lamp's Modes

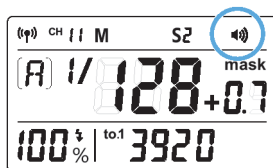
1. Long press the C.Fn Custom Button for 2 seconds until Fn menu is displayed.
2. Press the SET Button to choose F4.
3. Turn the Select Dial to choose the Modes:
ON: the modeling lamp will remain lit while strobe is firing.
OFF: the modeling lamp will turn off when the strobe fires, and turn on when it has recycled.



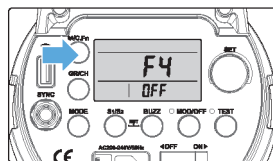
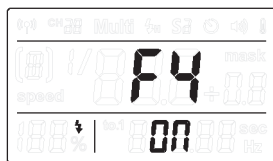
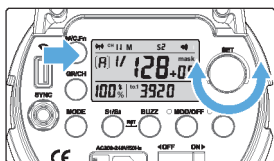
Recycle Beep

The Buzz Button is used to decide whether there is sound notification when the flash has recycled. When the recycle beep indicator is displayed on the LCD panel, it means the sound notification is turned on; if not displayed, the sound notification is turned off.

1. A sound will be heard when it's fully charged.
2. A sound will be heard when the button and the select dial echo each other.



C.Fn Changing the Strobe Options Using the Custom Function Menu



- 1 Long press the C.Fn Custom Button for 2 seconds until **<Fn>** menu is displayed.

- 2 Press the **<SET>** Button to choose Fn function signs.

- 3 Turn the Select Dial to change the settings. Short press the C.Fn Custom Button to exit.

Custom Function Signs	Function	Setting No.	Settings & Description
F1	Choose high-speed flash	ON	High-Speed Flash (speed) Mode
		OFF	Stable Color Temperature
F2	Delay flash	OFF, 0.01~30S	Trigger as second curtain
F3	Mask function	OFF	Mask function is off
		N1	Mask function is on: when the camera fires 2 shots rapidly, this unit will trigger on the first shot.
		N2	Mask function is on: when the camera fires 2 shots rapidly, this unit will trigger on the 2nd shot.
F4	Modeling lamp mode	ON	The modeling lamp will not change its status when the strobe fires.
		OFF	The modeling lamp will turn off when the strobe fires.

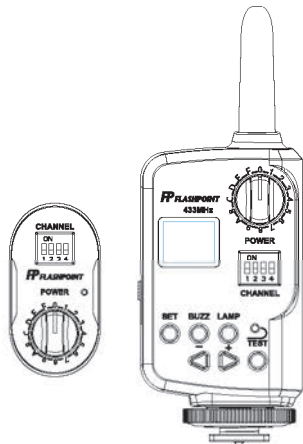
Other Features

R1 Wireless Control Function

The flash unit is designed with a R1 Wireless Control Port so that you can wirelessly adjust the power level of the flash and the flash triggering.

To control the flash wirelessly, you need a R1 remote control set (Transmitter and Receiver). Insert the receiver into the Wireless Control Port on the flash and insert the transmitter into the camera hot shoe. Settings made on the hotshoe-mounted transmitter will be wirelessly communicated to the flash. Then you can press the camera shutter release button to trigger the flash.

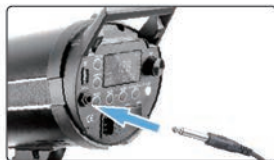
You can also hold the transmitter in your hand to control your off-camera flash.



For full instructions on the use of R1 series remote control, see its user manual.

Sync Triggering

The Sync Cord Jack is a 1/4" plug. Insert a trigger plug here and the flash will be fired simultaneously with the camera shutter.



Tube Replacement

Shut down the power and remove the power cord before replacing the flash tube and wear insulated gloves. Then, loosen the center wire on the tube, take a balanced hold on the two feet of the flash tube and pull out the old tube gently. Remove the foot casings from the old tube and put them on the new one. Hold two feet of the new tube, and align them directly towards the two copper outlets, then push them slightly in. Twine the center wire on the stainless steel hooks to secure the flash tube.



Technical Data

Model		FLASHPOINT RAPID 600
Flash Mode		M/Multi/Hss(high-speed sync)
Guide Number in 1/1 full power (m ISO 100, using standard reflector)		76
Flash Duration (t0.1)	High-Speed Flash (speed) Mode	1/316s - 1/28984s
	Stable Color Temperature Mode	1/316s - 1/4246s
Color Temperature	Stable Color Temperature Mode	5600±200K
	High-Speed Flash (speed) Mode	5400K~9000K
	High-Speed Sync Flash (speed) Mode	4600K~5000K
Power		600WS
Recycle Time		Approx. 0.05-0.9s
Output Range	M	1/128~1/1
	Hss	1/16~1/1
	Multi	1/128~1/8
Multi Flash		Yes (max. flash times: 99; max. flash frequency: 30)
Sync Mode		High-speed sync (up to 1/8000s), first curtain sync, second curtain sync
Delay Flash		0.01~30s
MASK Function		√
Fan		√
Recycle Beep		√
Modeling lamp		150W
Slave Trigger Model		S1/S2
Display Flash Duration		√
• Radio (2.4G) Transmission (R2 system)		
Wireless Function		Receiver ON/OFF
Controllable Slave Options		16 groups: 0~9, A,B,C,D,E,F
Transmission Range (approx.)		50m
Channel		32: 1~32
Sync Triggering Mode		¼" sync line, R1 wireless control port

