FP FLASHPOINT

Zoom Flash R2

Manual Power

FPLFSMZMSO

Thank you for choosing Flashpoint!

The new Flashpoint Zoom Speedlight with Integrated R2 Radio Transceiver is a hotshoe speedlight for on or off camera use. The incredible amount of power contained in these compact and lightweight units as well as their integrated functions and features make them the first choice of professional photographers. If you have any questions or concerns, please feel free to contact us at Brands@Adorama.com

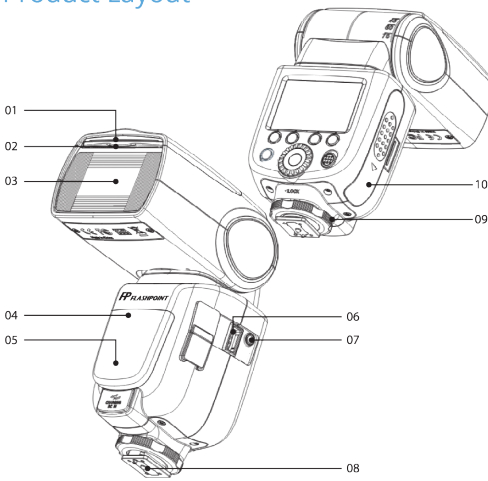
Features

- Extremely Powerful Flash with a GN of 127
- Remote Manual Power Control with the Integrated R2 Radio System's Built In Transmitter and Receiver
- Industry benchmark range and interference avoidance with the new **INTEGRATED** 2.4 gHz R2 Radio System
- Zooming Head for Even Coverage with manual control
- HSS for Shutter Speeds Up To 1/8000 Second (when used off camera)
- Regular and Intelligent Optical Slave Modes
- Backwards Compatible with The Flashpoint R1 Radio Control System for Manual Output Control and Triggering
- 360 degree rotation and 90+ degree tilt
- Stable color temperature at 5600±200K over the entire power range
- Backlit LCD
- Perfect for On and Off Camera Use
- Faster Recycle with the Flashpoint Blast Pack BP-960 with Canon cord
- AF Assist Lamp for faster focus
- 1 Year Warranty

For Your Safety

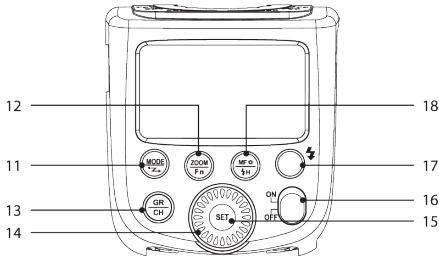
- Always keep this product dry. Do not use in rain or in damp conditions.
- This product contains high-voltage electronic parts. Touching the high-voltage circuit inside it may result in electric shock. Do not disassemble. Should repairs become necessary, this product must be sent to an authorized maintenance 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.
- Do not fire the flash 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 flash 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 flash 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 flash unit and fire may result. A whole new meaning to "Flashpoint".
- Do not leave or store the flash 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 supply other than the intended one to power the unit.
- Do not insert metal parts into any lighting equipment.
- Do not touch the electrical contacts on the flash or battery or contact them with any conductive materials.
- This flash has an over-heat protection circuit, rapid continuous firing will cause the flash to slow operation and trigger a "cool down" period. After this period, the flash will resume normal operation. You may also reboot the flash by cycling the power off and then on.
- Do not use selective coloring.
- Do not use the flash to support other equipment. For example, do not lift your camera by the flash.
- The flash has a locking pin to ensure secure operation. To avoid damage, completely unscrew the locking ring before removing the flash.
- 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.
- Store the flash with the batteries removed. Storing the flash with the batteries in it can lead to battery leakage.

Product Layout



Body

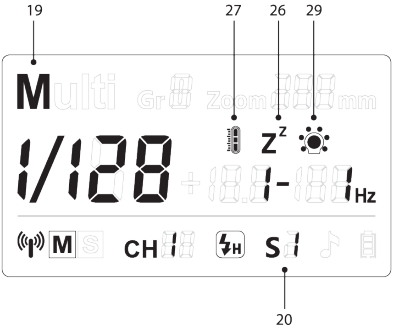
01. Retractable Catchlight Panel
02. Wide Angle Panel
03. Flash Head
04. Optical Control Sensor
05. Focus Assist Beam
06. R1 Wireless Control Port
07. Sync Port
08. Hotshoe
09. Lock Ring
10. Battery Compartment

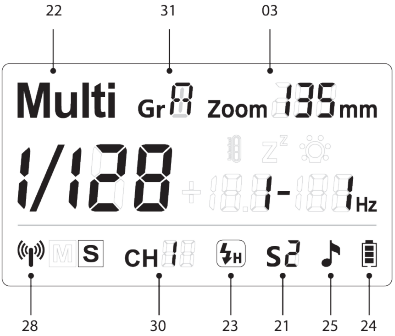


Control Panel

11. < MODE > Mode Selection Button / Wireless Mode Selection (Long Keypress)
12. < ZOOM Fn > Zoom / Custom Function Button (Long Keypress)
13. < GR CH > Group / Channel Setting (Long Keypress)
14. < ◎ > Select Dial
15. < SET > Set Button
16. ON/OFF Power Switch
17. < ϟ > Test Button / Flash Ready Indicator
18. < MF ⊙ $H > Focus Assist Beam / High Speed Sync Button (Long Keypress)

LCD Panel





19. < **M** > Manual Flash Mode
20. < **S1** > S1 Slave Flash Triggering
21. < **S2** > S2 Slave Flash Triggering
22. < **Multi** > Multi / Stroboscopic Flash Mode
23. < H > High Speed Sync Triggering (as a Receiver only)
24. < > Battery Level Indicator
25. < > Recycle Beep Indicator
26. < > Sleep Status
27. < > Overtemperature Indicator
28. < > Wireless Signal Master or Slave
29. < > Focus Assist Beam Indicator
30. Channel
31. Group

Included Accessories

1. Flash Unit 2. Mini Stand 3. Protective Case 4. Instruction Manual

Accessories

R2 Radios

R1 Radios

Flashpoint Blast Power Pack BP-960 with Canon Cord FPPPBP960CA

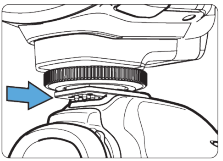
Flashpoint Grid for Speelight FPLFSMX02

Flashpoint Flash Diffuser FAFD60

Hexapop/Parapop rapid deployment Softboxes

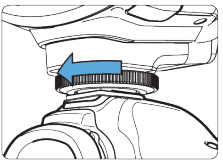
Flashpoint Speedlight Reflector FPLFSMX01

Attaching to a Camera



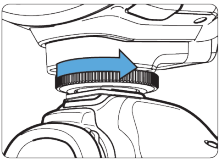
1 **Attach the Camera Flash.**

Slip the camera flash's mounting foot into the camera's hotshoe all the way.



2 **Secure the Camera Flash.**

Rotate the lock ring on the mounting foot until it is secure.



3 **Detach the Camera Flash.**

Rotate the lock ring on the mounting foot until it is fully loosened.

1.Power Management

Use ON/OFF Power Switch to power the flash unit on or off. Turn the flash off if it will not be used for an extended period of time. This flash unit has Sleep Function and will enter into sleep status when there is no operation.

> C.Fn Disabling Auto Power Off function is recommended when the flash is used off camera.
> See the Custom Function Menu section.
>
> C.Fn Slave Auto Power Off Timer is set to 10 minutes by default. Other options are available.
> See the Custom Function Menu section.

2.Flash Output

- Flash output can be varied from 1/128th power to 1/1 full power in 1/3 stop increments. To obtain a correct flash exposure, use a hand-held flash meter to determine the required flash output.
- Adjust the power output by rotating Select Dial. The following table makes it easier to see how the power changes in terms of f/stop when you increase or decrease the flash output:

Figures displayed when reducing flash output level→

1/1	1/1-0.3	1/1-0.7	1/2	1/2-0.3	1/2-0.7	1/4	.....	OF
	1/2+0.7	1/2+0.3		1/4+0.7	1/4+0.3		.....	

←Figures displayed when increasing flash output level

> ⚠ When "OF" is shown on the LCD display, it means flash firing is turned off.

3. ZOOM: Setting the Flash Coverage

The flash coverage can be set to match the lens focal length or for spotlighting effect from 24 mm to 200 mm. Press < ZOOM > button and rotate Select Dial < ◎ > to change the flash coverage.

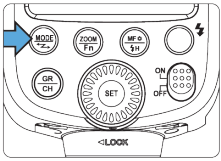
> ⚠ When setting the flash coverage, make sure it covers the lens focal length so that the picture will not have dark edges.

4. M Mode: Manual Mode

Press MODE Selection Button < MODE > to enter M mode. In this mode, you can set the flash unit onto your camera hot shoe or use the sync port or a trigger hot shoe for firing. Before shooting, adjust the flash power output. When the camera's shutter is pressed, the flash will fire. R2 Radio triggering mode is not available in M mode. Optical slave options can be used in M mode.

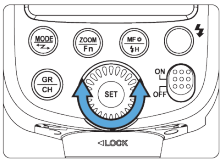
5. Multi Mode: Stroboscopic Flash

Press Mode Selection Button < MODE > to enter Multi mode (Stroboscopic flash). With stroboscopic flash, a rapid series of flashes is fired. It can be used to capture 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 the Mode Selection Button < MODE > so that " Multi " is displayed.

2 Press Set Button < SET > to select the item to be set. The item blinks.



3 Rotate Select Dial < ◎ > to set a desired number.

Calculating the Shutter Speed

During stroboscopic flash, the shutter should remain open until the firing stops. Use the provided formula to calculate the shutter speed required to capture the full sequence of flashes:

Number of Flashes / Flash Frequency = 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 sec.

- Stroboscopic flash is most effective with a highly reflective subject against a dark background.
- Using a tripod and a remote shutter is recommended.
- A flash output of 1/1 or 1/2 cannot be set for stroboscopic flash.
- Stroboscopic flash can be used with "Bulb".

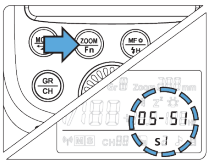
Maximum Stroboscopic Flashes:

Flash Output \ Hz	1	2	3	4	5	6-7	8-9
1/4	7	6	5	4	4	3	3
1/8	14	14	12	10	8	6	5
1/16	30	30	30	20	20	20	10
1/32	60	60	60	50	50	40	30
1/64	90	90	90	80	80	70	60
1/128	100	100	100	100	100	90	80

Flash Output \ Hz	10	11	12-14	15-19	20-50	60-199
1/4	2	2	2	2	2	2
1/8	4	4	4	4	4	4
1/16	8	8	8	8	8	8
1/32	20	20	20	18	16	12
1/64	50	40	40	35	30	20
1/128	70	70	60	50	40	40

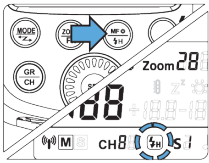
⚠ To avoid overheating and deteriorating the flash head during stroboscopic flash, do not use stroboscopic flash more than 10 times in succession.

6. S1/S2 Optical Slave Triggering Modes



- Long Press < ZOOM Fn > button for 2 seconds to enter the custom menu and press < SET > button to choose OS (Optical Slave). Then, turn the Select Dial to choose OFF/S1/S2.
- In S1 mode, the flash will fire simultaneously when the main flash fires. Use this mode when firing another manual powered flash, and in areas where no one else is doing flash photography.
- In S2 mode, this flash can be triggered as an intelligent optical slave. This is useful when triggering with a TTL flash. In this mode, the flash will ignore a single "preflash" from the main flash 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.

7. Hi-Speed Sync Triggering

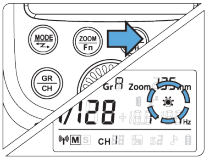


- To enter ⚡H mode, long press < MF ⊙ S/H > button and hold for 2 seconds.
- To exit ⚡H mode, press Mode Selection Button or long press < MF ⊙ S/H > button and hold for 2 seconds again.
- In < ⚡H > hi-speed sync triggering mode, you can use a hi-speed sync trigger to have your flash unit synchronized with all shutter speeds of cameras (max. 1/8000 second). This is convenient when you want to use aperture priority for fill-flash portraits or use shutter speed to overpower ambient light.

- Hi-speed sync triggering mode is effective only when the flash unit is used together with the following flash triggers.
- Flashpoint R1 HSS transceiver for Canon / Nikon with receiver.
- Flashpoint R2 TTL wireless flash triggers.
- Hi-speed sync triggering mode is not available when this flash is mounted onto the camera.

⚠ To avoid overheating or deteriorating the flash head during high speed sync flash, the over-temperature protection function will be activated automatically after 10 continuous high-speed flashes.

8. Custom Function--Focus Assist Lamp



- Under poorly-lit or low-contrast conditions, you can press < MF ⊙ S/H > button to turn on the focus assist beam in order to make it easier to autofocus.
- The beam will automatically go out a designated time after the flash is fired. The time between the last fire and the auto shutdown of focus assist beam is called Focus Confirm Time. The time is user adjustable and set to 10 seconds by default.
- Press < ZOOM Fn > button and hold for 2 seconds to enter the Custom Function Menu. Then press "SET" button to enter "FC" mode. The LCD panel displays "FC" (Auto shutdown of focus assist lamp) and "Focus Confirm Time". Rotate Select Dial < ◎ > to set a desired time for the flash. Press < ZOOM Fn > button to return.

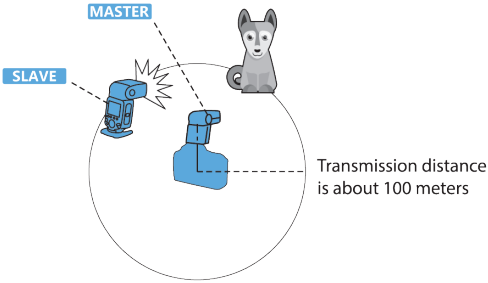
No-Flash Time	Meaning
10 seconds	10 seconds after the last fire, focus assist lamp will automatically go out.
20 seconds	20 seconds after the last fire, focus assist lamp will automatically go out.
30 seconds	30 seconds after the last fire, focus assist lamp will automatically go out.

9. Recycle Beep

- To turn the beep function on or off, press < ZOOM Fn > button and hold for 2 seconds to enter Custom Function.
- Then press "SET" button to enter "bp" mode. The LCD displays "ON" means beep is turned on while "OFF" means beep is turned off.
- When the Recycle Beep is turned on, < ♪ > is shown on the LCD display.

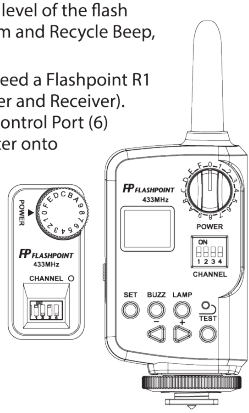
10. Wireless Flash Shooting: R2 (2.4G) Transmission

- The Flashpoint Zoom M features integrated R2 2.4G radio transmission (Master/Slave)
- **Wireless mode setting:** Long press < MODE > button and hold for 2 seconds until < (((•))) > icon is blinking. Turn the Select Dial to set from OFF/Master(M)/Slave(S) mode.
- **Channel setting:** Long press < GR CH > button and hold for 2 seconds until the figure besides the CH is blinking. Turn the Select Dial to choose the channel from 1~32.
- **Group setting:** Short press < GR CH > button to select group. In Master mode, groups can be selected from M/A/B/C/D/E; while in Slave mode, groups can be selected from A/B/C/D/E.
- When set to Master, "M" group refers to the output of the unit on the camera (the Master). Changing the displayed group using the GR button allows the master unit to change the settings on the off camera R2 units.
- The Flashpoint Zoom M features an integrated R2 radio, and is compatible with the full Flashpoint R2 system.
- The Flashpoint Zoom M R2 radio does not require line-of-sight, and has an operating range of over 100 meters.



11. R1 Wireless Control Function

- The flash unit features a Wireless Control Port (6) so that you can wirelessly adjust the power level of the flash and even disable it, focus assist beam and Recycle Beep, as well as trigger the flash.
- To control the flash wirelessly, you need a Flashpoint R1 series remote control set (Transmitter and Receiver). Insert its receiver into the Wireless Control Port (6) on the flash and insert the Transmitter onto 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.

12.Sync Triggering

The Sync Cord Jack (7) is a Φ3.5mm plug. Insert a trigger plug here and the flash will be fired simultaneously with the camera shutter.

13. Custom Function----Sleep Function

- This product is equipped with Sleep Function to avoid battery drain when the flash unit is idle.
- Press < ZOOM Fn > button and hold for 2 seconds to enter the sleep time adjustment Mode. The LCD panel displays "SL" (Sleep) and "Sleeping Time". Idle time before entering Sleep Mode is 10 minutes by default. Rotate Select Dial < ◎ > to set a desired time for the flash or to turn off Sleep Function.
  Press < ZOOM Fn > button to return.

Idle Time	Meaning
OF	Sleep Function is turned off. The flash unit will not automatically enter sleep mode.
3	Idle time before entering Sleep Mode is set to 3 minutes.
10	Idle time before entering Sleep Mode is set to 10 minutes.
30	Idle time before entering Sleep Mode is set to 30 minutes.
60	Idle time before entering Sleep Mode is set to 60 minutes.

- When the flash enters sleep mode, the LCD panel displays a " Z^z " icon.
- To wake up the flash unit, press any button on the flash unit, or press the camera release button, or press the trigger TEST button.

Setting a shorter Idle Time will ensure longer battery life in the event the flash is not in constant use or is mistakenly left on.

14. C.Fn Setting Custom Functions

Custom Function Signs	Function	Options & Description
SL	Sleeping Time Setting	Settable Time: <3> 3 minutes <10> 10 minutes <30> 30 minutes <60> 60 minutes <OF> (OFF)
FC	(Focus Confirm) Auto Power OFF Time Setting of Auto Focus Assist Lamp	<10> 10 seconds <20> 20 seconds <30> 30 seconds
bp	Beep Setting	<ON> On <OF> Off
bL	Backlight Setting	Backlight can be set as follows : <ON>: Always lighting <12>: Off in 12 sec. <OF>: Off
OS	Optical Slave Mode	<OF> Off <S1> S1 mode <S2> S2 mode

Protection Functions

1. Over-Heat Protection

- To avoid overheating and deteriorating the flash head, do not fire more than 20 continuous flashes in fast succession at 1/1 full power. After 20 continuous flashes, allow a rest time of at least 10 minutes.
- If you fire more than 20 continuous flashes and then fire more flashes in short intervals, the inner over-temperature protection function may be activated and make the recycling time about 10 to 15 seconds. If this occurs, allow a rest time of about 10 minutes, and the flash unit will then return to normal.
- When the over-temperature protection is started, is shown on the LCD display.

Number of flashes that will activate over-temperature protection:

Power Output Level	Number of Flashes
1/1	20
1/2 +0.7	30
1/2 +0.3	40
1/2	60
1/4 (+0.3,+0.7)	100
1/8 (+0.3,+0.7)	200
1/16 (+0.3,+0.7)	300
1/32 (+0.3,+0.7)	500
1/64 (+0.3,+0.7)	1000
1/128 (+0.3,+0.7)	

Number of flashes that will activate over-temperature protection in high-speed sync mode:

Power Output Level	Number of Flashes
1/1	15
1/2 (+0.3,+0.7)	20
1/4 (+0.3,+0.7)	30
1/8 (+0.3,+0.7)	
1/16 (+0.3,+0.7)	40
1/32 (+0.3,+0.7)	
1/64 (+0.3,+0.7)	50
1/128 (+0.3,+0.7)	

2. Other Protections

The system provides real-time protection to secure the device and your safety. The following lists prompts for your reference:

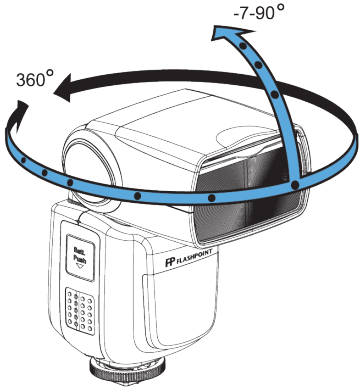
Prompts on LCD Panel	Meaning
E0	A failure occurred in the temperature sensor. Please send the unit to a maintenance center.
E1	A failure occurred in the recycling system so that the flash cannot fire. Please restart the flash unit. If the problem persists, please send the unit to a maintenance center.
E2	The system has excessive heat. Please allow a rest time of 10 minutes.
E3	The voltage on two outlets of the flash tube is too high. Please send the unit to a maintenance center.

Other Features

Bounce Flash

By pointing the flash head toward a wall or ceiling, the flash will bounce off the surface before illuminating the subject. This can soften shadows behind the subject for a more natural-looking shot. This is called bounce flash.

To set the bounce direction, hold the flash head and turn it to the desired angle.

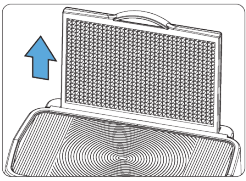


- If the wall or ceiling is too far away, the bounced flash might be too weak and result in underexposure.
- The wall or ceiling should be a plain, white color for high reflectance. If the bounce surface is not white, a color cast may appear in the picture.

Other Features

Creating a Catchlight

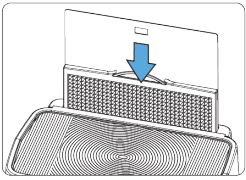
With the catchlight panel, you can create a catchlight in the subject's eyes to add life to the facial expression.



1 Point the flash head upward to 90°.

2 Pull out the wide angle diffusion panel.

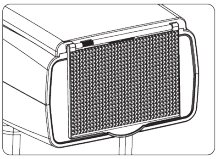
The catchlight panel will come out at the same time.



3 **Push the wide angle diffusion panel back in.**

- Push in only the wide angle diffusion panel.
- Follow the same procedures as for bounce flash.

⚠
- Point the flash head straight ahead and then upward to 90°. The catchlight will not appear if you swing the flash head left or right.
- For best catchlight effect, stay 1.5m/4.9ft away from the subject.



Using the Wide Angle Diffusion Panel

Pull out the wide angle diffusion panel and place it over the flash head as shown. The flash coverage will then be expanded to 14 mm.

- The catchlight panel will come out at the same time. Push the catchlight panel back in.
- The **< ZOOM/C.FN >** button will not work.

Technical Data

Product Model	FPLFSMZMSO
Guide no. (1/1 output @ 200mm)	127 Ft, 34 Meters @ ISO 100 200mm zoom
Flash coverage	20 to 200mm (14mm with wide Angle Diffusion panel)
	• Manual zoom
	• Rotating/tilting flash head (bounce flash): 0 to 360° horizontally and -7° to 90° vertically
Flash duration	1/300 to 1/20000 second
• Wireless Flash	
Wireless flash function	Master, Slave, Off
Controllable slave groups	5 (A, B, C, D, and E)
Transmission range (approx.)	100m
Channels	32 (1~32)
Slave-ready indicator	Two red blinking indicators
• Auto Focus Assist Beam	
Effective range (approx.)	Center: 0.6~10m / 2.0~32.8 feet
	Periphery: 0.6~5m / 2.0~16.4 feet
• Power Supply	
AA batteries 1.5v	Ni-MH batteries (recommended) or 4*LR6 alkaline batteries
Recycle time	Approx. 0.1-2.6 seconds
Full power flashes	Approx. 230 (2500mA Ni-MH batteries)
Power saving	Auto power off after 3, 10, 30, or 60 minutes, or disabled. 10 minutes by default
External power	Flashpoint Blast Power Pack BP-960 with Canon Cord FPPPBP960CA
• Sync Triggering Mode	Hotshoe, 3.5mm sync line, R1 Wireless control port
• Color Temperature	5600±200k
• Dimensions	
W x H x D	64 x 76 x 190 mm
Weight without battery	410g
Weight with battery	530g

Maintenance

- Shut down the device immediately should abnormal operation be detected.
- Avoid sudden impacts, and the product should be dusted regularly.
- It is normal for the flash tube to be warm when in use. Avoid continuous flashes if possible.
- Maintenance of the flash must be performed by an authorized maintenance department which can provide original accessories.
- This product, except consumables e.g. flash tube, is supported with a one-year warranty.
- Unauthorized service will void the warranty.
- If the product had failures or was wet, do not use it until it is repaired by professionals.
- Changes made to the specifications or designs may not be reflected in this manual.