

FP FLASHPOINT



eVOLV 200^{FP}
200ws TTL Modular Flash
with integrated R2 radio Receiver

FPLFEV200

FLASHPOINT eVOLV 200 Flash Instruction Manual

Intro

Before using this product

Please read this user manual carefully in order to ensure your safety and the proper operation of this product. Keep for future reference.

Thank You for Choosing Flashpoint!

The new eVOLV200 is not just a mighty 200 watt second fully cordless TTL strobe, but an amazing miniaturized modular “SpeedMonoLight” system with interchangeable flash heads. You can snap in the best of traditional speedlite style Fresnel heads at GN170 (ft) or chose to use to the barebulb parabolic reflector head at GN 196 (ft) with super even spread, just by plugging it in. The incredible amount of power and control in these compact and lightweight flashes, make this design a first choice of professional photographers with an eye for flexible multiple light set up.

The eVOLV200 has a max recycle time of under 2 seconds and enough energy to cover at least 500 full power shots. That gives more flexibility and instant solutions for multiple off camera lighting while maintaining all of the investment in light modifiers in the Streaklight and ZoomLion models.

The battery recharge is a snap, too, using the external power charger to keep the action going without tying up the flash to re-energize. Add the pro LED modeling light feature and the picture is complete.

The eVOLV200 is the next evolution of the Flashpoint R2 radio system, totally compatible with the Canon, Nikon and Sony systems, for remote power control and shooting. With a focus on portable lighting, the R2 Family frees your camera to go out and shoot at will - whether you are a wedding or event photographer, environmental portraiture shooter, freelance commercial illustrator, photojournalist, a backpack adventurer, or fast action sports snapper.

Features of The eVOLV200

Lightweight and portable.

Greatest power in the most compact form, precluding the need for cords and AC powered strobes. Produces up to 200Ws, is up to 3 times powerful as speedlites in the same footprint.

Studio quality interchangeable modular flash heads.

Fresnel Head: Standard bar flash tube design with coverage of a smooth 35mm Fresnel lens spread. Incorporates a 20W LED modeling lamp. Accepts a barn door with grids for accent lighting and the ability to control light spill and flare, plus magnetized color gels for special effects. Fresnel speedlite flash head GN 170(ft)/52(m) ISO 100

Bare Flash Tube: Pro quality 360 degree Bare-bulb flash tube which accepts all modifiers and accessories from the Flashpoint Streaklight. Bare bulb flash head in reflector GN 197(ft)/60(m) ISO 100

Built-in R2 2.4G wireless radio TTL system.

Fully supports auto sensing and switching Canon E-TTL II, Nikon i-TTL, Sony TTL operating on R2 2.4G wireless family TTL systems. All R2 Family radio transmitted functions are received for over 330 feet from any R2 transmitter.

High Speed Sync.

The answer for using flash to control strongly lit sun drenched subjects and fill-flash even when shutter speeds exceed the standard sync your camera manufacturer recommends for proper sync. IGBT firing allows for shorter flash durations, 1/8000s high-speed sync flash, and TTL.

Sharp LCD display panel.

Super clear dot matrix info center and convenient display of all functions, flash state and warnings.

Interchangeable Battery Power.

Replaceable long-life Lithium, 14.4V/2900mAh power module, with 0.01- 2.1s recycling and up to 520 full power flashes.

Sync options.

Use R2 wireless radio, trigger as slave optically, or with a standard 3.5mm sync cord connected to your camera.

8 stop range.

Power adjusts from full power to 1/128 in 1/3 stop increments.

Stable color.

5600±200K color temperature at over the entire power range.

2 way stand mount.

Tilt head with umbrella mount to perch on top of any lightstand, grip or support with a 5/8" stud.

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 extrusion, falling or strong hit. Otherwise, electric shock may occur if you touch the electronic parts inside it.
- 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 or electromagnetic interference that may result.
- Do not leave or store the flash unit if the ambient temperature reads over 120°F/50°C (e.g. in sun drenched automobile). Otherwise the electronic parts may be damaged.
- Do not use any power supply other than the included one to charge the battery.
- Do not insert metal parts into any lighting equipment.
- Do not touch the electrical contacts on the strobe or battery or contact them with any conductive materials.
- Do not fire the flash directly into the eyes (especially those of babies) within short distances. Otherwise, visual impairment may occur. When taking pictures of babies, keep the flash unit at least 3.3 feet (1 meter) away from them. Using bounce flash to reduce light intensity is also recommended.
- 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.
- The strobe has a locking mechanism 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.

Contents

Intro	2
For your safety	4
Name of Parts	6
Control Panel.....	7
LCD Panel.....	7
eVOLV200 kit contents.....	8
Separately Sold Accessories.....	8
Attaching Flash Heads	9
Battery	10
Power Management	11
Modeling Lamp	11
Flash Modes.....	11
Flash Mode— TTL Autoflash	11
FEC (Flash Exposure Compensation)	12
Flash Mode—M: Manual Flash	12
Slave Settings.....	12
Flash Mode—Multi/Stroboscopic Flash	13
High-Speed Sync.....	14
Wireless Flash Shooting: R2 Radio (2.4G) Transmission.....	15
Ratio Lighting Examples	16
Optical Wireless Control Function	16
Sync Triggering	16
C.Fn: Setting Custom Functions	17
MASK Custom Function 5.....	18
Troubleshooting.....	18
Temperature Protection Function.....	19
Technical Data	20
Firmware Upgrade.....	20
Maintenance	22
Warranty and Customer Service	23


Conventions used in this Manual

This manual is based on the assumption that both the camera and camera flash's power switches are powered on.

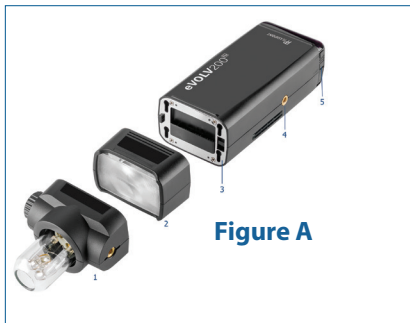
Reference page numbers are indicated by "Page ?/?".

The following alert symbols are used in this manual:

 The Caution symbol indicates a warning to prevent shooting problem.

 The Note symbol gives supplemental information.

Name of Parts



1. Barebulb Flash Head
2. Fresnel "Speedlite" Flash Head
3. Head Mounting System
4. Support Mounting Socket (1/4"x20 thread)
5. Power Switch



12. Lithium Battery



6. R2 Wireless Radio and Optic Light Sensor
7. LCD Control Panel
8. Battery Compartment
9. Battery Release Button
10. Wireless Control Port/USB Port and 3.5mm Sync Cord Jack
11. Head Release Button



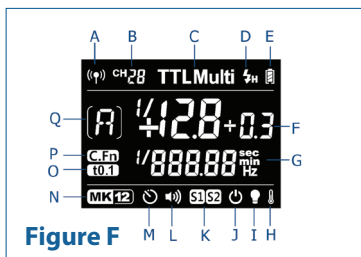
13. Barebulb Head Accessory Lock Knob
14. Mounting Socket (1/4"x20 thread)

Control Panel:



15. LCD Panel
16. **<GR/CH>** Group/Channel Button
(long press for 2 seconds)
17. Flash Ready Indicator, **<⚡ / C.Fn>**
Test Button/ C.Fn Button
(long press for 2 seconds)
18. Select Dial
19. **<SET>** Set Button
20. **<☀ / ⚡H>** Modeling Lamp Button/
High Speed Sync Button (long press for 2 seconds)
21. **<MODE / Z>** Mode Selection Button/
Wireless Selection Button
(long press for 2 seconds)

LCD Panel



- (A) R2 Radio Status
Radio Operation Pg 15
Manual Operation Pg 12
- (B) Channel Status Pg 15
- (C) MODE: TTL/Manual/Multi Flash Pg 11-13
- (D) High Speed Sync Pg 14
- (E) Battery Level Pg 10
- (F) TTL (FEC) Exposure Compensation /
Manual Power Setting Pg 12
- (G) Flash Duration / Multiflash Frequency /
Sleep Pg 13
- (H) Overheat Warning Pg 19
- (I) Modeling Lamp Pg 11
- (J) Sleep Status Pg 11
- (K) Optic Slave Pg 16
- (L) Audio Signal Pg 17
- (M) Timer Pg 17
- (N) Mask Status Pg 18
- (O) Flash Duration Symbol Pg 12
- (P) Custom Function Pg 17
- (Q) Group Pg 15-16

eVOLVE200 part by part



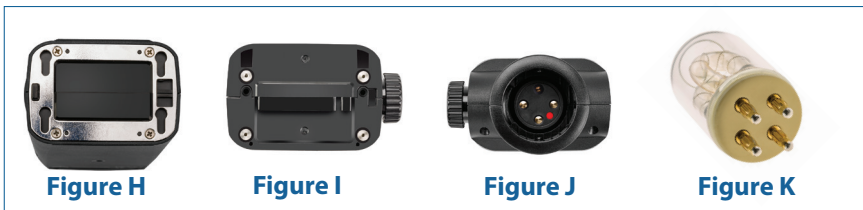
- 1- eVOLVE200 flash body
- 1- Barebulb Flashhead Module
- 1- Barebulb Flashtube
- 1- Fresnel Speedlite Flashhead Module
- 1- Stand/Umbrella holder
- 1- Battery charger
- 1- Lithium battery pack
- 1- Barndoor
- 1- Grid
- 4- Magnetized Color Gels
- 1- Protecting bag
- 1- Instruction manual

Optional Accessories

Your eVOLVE200 can be used in combination with the following accessories, sold separately, so as to achieve the best photography in any situation or assignment:

R2 Wireless Flash Trigger, R1 Remote Control, Softbox, Beauty Dish, Hexapop/Parapop Softboxes, Snoots, Light Stands, and the whole Glow line of light modifiers available at Adorama.com.

Speedlite and Bare Bulb Modular Flash Heads



Attaching the Bare Bulb Flash Head

1. Start with a removing an attached flash head by the sliding catch lock to the left (fig B / 11) and pulling gently on the head to slip it off the mounting plate of the eVOLV200 body.
2. Remove the reflector or other accessories from the flash head before mounting it on the eVOLV200 body.
3. The modular Barebulb flash head locks into the eVOLV200 body by lining up the pins on the head to the sockets of the eVOLV200 (fig H & I) and sliding the head down, engaging the head to the body. The lock automatically closes.
4. Take the Barebulb flashtube and align the pins of the tube carefully with the tube socket by matching the 3 pins on the base of the flash tube with the 3 sockets in the Tube Socket (fig J & K). Push the flash tube in until it is securely seated into the socket.
5. You have the option to attach a reflector or any Streaklight light modifier on to the Barebulb head socket surrounding the flashtube socket. The knob on the side of the module (fig J) locks and unlocks the add-on accessory with a twist right or left.

Attaching the Fresnel Speedlite Flash Head

1. Start with a removing an attached flash head by the sliding catch lock to the left (fig B / 11) and pulling gently on the head to slip it off the mounting plate of the eVOLV200 body.
2. The modular Fresnel Speedlite flash head locks into the eVOLV200 body by lining up the pins on the head to the sockets of the eVOLV (fig H & I) and sliding the head down, engaging the head to the body. The lock automatically closes.

Lithium Battery

Features

1. The Flashpoint eVOLV200 uses a high capacity Li-ion polymer battery which has long runtime. The available full power discharges are approximately 500 times.
2. Safety first. The internal circuits are designed to prevent overcharge, over discharge, current overrun, and short circuit.
3. It takes only 4 hours to fully charge the battery by using the included standard battery charger.

Battery Level Indicator

Make sure the battery pack is securely locked in the chamber of the flash. (fig D) Check the battery level indication on the LCD panel to see the remaining battery level (fig F/E).

Battery Level Indication on the LCD Panel	Meaning
3 bars	Full battery
2 bars	Medium battery
1 bar	Low battery
Blank symbol	Low battery, re-charge immediately.
Blinking symbol	The battery level depleting quickly and will immediately auto shutdown the flash in 1 minute. Please recharge the battery as soon as possible (within 10 days) to preserve the life of the battery.

Warnings and Advice

1. Do not short circuit.
2. Do not expose to rain or immerse into water. This battery is not water proof.
3. Keep out of reach of children.
4. No over 24 hours' continuous charging.
5. Store in dry, cool, ventilated places.
6. Do not expose the battery to high temperatures or into fire.
7. Dead batteries should be disposed according to local regulations.
8. If the battery has not been charged for a long time due to product idleness, please charge it to refresh the energy reserve.
9. If the battery had not been used for over 3 months, please recharge fully.

Power Management



The ON/OFF Power Switch (**fig L**) controls the state of the flash unit. Turn off the power pack if the flash unit will not be used for an extended period. The automatic hibernation feature puts the power supply to sleep when there is no operation for 30 minutes. You can alter the designated time in Custom Function (**C.Fn-F3**) 3 to 30, 60, or 90 minutes, before the flash will automatically hibernate. You can choose to disable the sleep mode entirely to facilitate use remotely off camera.

Modeling Lamp

A short press the modeling lamp button (**fig E/20**) will turn the 20W LED modeling lamp on or off. An icon appears on the LCD panel to confirm the status.

The LED Modeling light is only featured on the Fresnel speedlite style flash head. The modeling lamp will automatic turn off after 1 hour.

Flash Modes



This flash has three flash modes: TTL (Auto), Manual (M), and Multi (Stroboscopic). Press the **<MODE>** Mode Selection Button and three flash modes will display on the LCD panel one by one in sequence each time the button is pressed.

TTL Mode

Press **<MODE >** Selection Button to enter TTL mode. The LCD panel will display "TTL". In TTL mode, the camera and the flash will work together "through-the-lens" to calculate the correct exposure for the subject and the background. In this mode, multiple TTL functions are available: FEC, HSS, second curtain sync, modeling flash, which can be controlled with the camera's menu screen.

The TTL connection is accomplished with R2 Wireless Radio technology and the eVOLV200 will sense the Canon, Nikon or Sony camera automatically upon receiving a transmission from any R2 Family transmitter or flash. It will even switch automatically between several different camera manufacturers, which are on the same channel/group, on demand.

FEC: Flash Exposure Compensation

With FEC function, the eVOLV200 can adjust the auto exposure bias from -3 to +3 in 1/3rd stops. It is useful in situations where minor adjusting of the TTL system is needed based on the environment.

Setting FEC:

1. Press the <SET> Function Button and flash exposure compensation amount will be highlighted on the LCD panel.
2. Set the flash exposure compensation amount.
 - Turn the Select Dial to set the amount.
 - "0.3" means 1/3 stop, "0.7" means 2/3 stop.
 - To cancel the flash exposure compensation, set the amount to "+0".
3. Press <SET> button again to confirm the setting.

M: Manual Flash

Press <MODE> Selection Button to enter Manual mode. The LCD panel will display "M". The flash output is adjustable from 1/1 (full power) to 1/128th power in 1/3rd 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.

Flash Output Range

The following table makes it easier to see how the stop changes in terms of f/stop when you increase or decrease the flash output. For example, when you decrease the flash output to 1/2, 1/2-0.3, or 1/2-0.7, and then increase the flash output to more than 1/2, 1/2+0.3, 1/2+0.7, and 1/1 will be displayed.

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

<--- Figures displayed when increasing flash output level

S1 Optical Slave Setting

In M manual flash mode, press the <C.Fn> button for 2 seconds to enter the menu. Select the C.FN-F2 and choose the S1 function, so that this flash can function as an optically triggered S1 secondary slave flash with the built-in optic sensor. With this function, the flash will fire in synch when the main flash fires, the same 'real-time' response that is realized by R2 radio triggers. This creates multiple lighting effects without the use of radio systems.

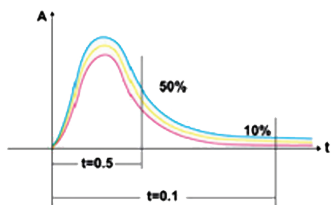
S2 Optical Slave Setting

Long press on the <C.Fn> button for 2 seconds to enter the menu. C.FN-F2 to choose S2 function, so that this flash can also function as an optically triggered S2 secondary slave flash with the built-in optic sensor while in M manual flash mode. This is useful when strobes have pre-flash function. With this function, the optical sensor on the eVOLV200 will ignore a single "preflash" from the main (master) flash and will only fire in response to the second, actual flash from the main unit.

ⓘ • S1 and S2 optic triggering is only available in M manual flash mode.


Flash Duration Display

Flash duration refers to the length of time that from 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.



Display Flash Duration Operation:

1. Long press the C.Fn button for 2 seconds to enter C.FN function.
2. Adjust the Select Dial to F6, the t0.1 icon will be displayed on the LCD panel.
3. Press <SET> button to enter the adjustment condition.
4. Turn the Select Dial to choose the ON/OFF.

-  • The flash duration will only be displayed on the LCD panel in M mode.

Multi: Stroboscopic Flash

With stroboscopic flash, a rapid series of flashes is fired. It can be used to dramatically 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 frequency. Turn the Select Dial to set the number.
 - Press <SET> button to select the flash times. Turn the Select Dial to set the number.
 - After finish the setting, press <SET> button and all the settings will be displayed.

Calculating the Shutter Speed

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

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

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.



To avoid overheating and deteriorating the flash head, do not use stroboscopic flash more than 10 times in succession. After 10 times, allow the camera flash to rest for at least 15 minutes. If you try to use the stroboscopic flash more than 10 times in succession, the firing might stop automatically to protect the flash head. If this happens, allow at least 15 minutes of rest for the camera flash.



- Stroboscopic flash is most effective with a carefully lit or highly reflective subject against a dark background.
- Using a tripod and a remote control is recommended.
- A flash output of 1/1 and 1/2 cannot be set for stroboscopic flash.
- Stroboscopic flash can be used with the "bulb" setting on the shutter speed dial of your camera.
- 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
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	90	90	90	90	90	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	20	20	20
1/64	50	40	40	35	30	20
1/128	70	70	60	50	40	40

High-Speed Sync

High Speed Sync (FP flash) enables the flash to synchronize with virtually all camera shutter speeds. This is convenient when you want to use aperture priority for fill-flash portraits, outdoor brightly lit subjects or to overpower the sun as the main source of light.

1. Long Press Function Button <  > for 2 seconds so that <  > is displayed.
2. Please use the R2 Family of flashes or transmitters to trigger in perfect sync with a Canon, Nikon or Sony camera.



- With high-speed sync, the faster the shutter speed, the shorter the effective flash range.
- Multi flash mode cannot be set in high-speed sync mode.
- Over-temperature protection may be activated after 40 consecutive high-speed sync flashes.

R2 Wireless Flash Operation


The eVOLV200 adopts the R2 2.4G wireless radio system, which has absolute compatibility with other R2 Family flashes and transmitters. As a slave unit, the eVOLV 200 senses and switches automatically to be compatible with Canon, Nikon, and Sony R2 TTL according to the master unit employed.


Nikon cameras (use R2T-N), Canon cameras (use R2T-C) and Sony cameras (use R2T-S) can use one or more eVOLV 200-TTL flashes simultaneously.

The EVOLV200 can only be set as slave unit (R2 receiver or Optical S1/S2). Long press the wireless selection button (figE/21) for 2 seconds to switch the radio transmission function on or off. See the Manual Flash Operation section for Optical Slave instructions.

Wireless Mode	Flash Mode
OFF	M / Multi
Radio Transmission	TTL / M / Multi

A. R2 Wireless Settings

Long press <  > button for 2 seconds to switch wireless function **ON/OFF**.

Turn the wireless function on, the <  > icon will be displayed on the LCD panel.

When using the R1 remote control or others trigger, please turn off the wireless function.

B. Setting the Communication Channel

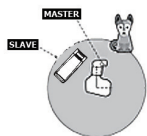
In order to prevent signal interference from other wireless flash systems nearby, you can change the channel IDs. The channel IDs of the master unit and the slave unit(s) must be set to the same value.

1. Long press the < **GR/CH** > Button for 2 seconds, so that the icon will be displayed on the LCD panel.
2. Turn the Select Dial to choose a channel ID value from 1 to 32.
3. Press the < **SET** > button to confirm.

Setting the Communication Group

Short press the < **GR/CH** > button to choose group ID value from A to E.

Positioning and Operation Range (Examples of R2 wireless flash setup)



TTL Auto flash with one slave unit

Transmission distance is about 230ft/70m

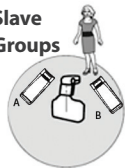


- Before shooting, perform a test flash and test exposure for ratios.
- The transmission distance might be shorter depending on the conditions such as positioning of slave units, the surrounding environment and weather conditions.
- When frequent interruption or interference of the R2 wireless signal, please change the wireless channel.

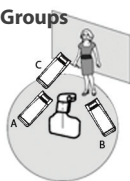
R2 Wireless Multiple Flash Shooting

You can assign the slave units into two or three groups and perform TTL autoflash while changing the flash ratio (factor). In addition, you can set and shoot with a different flash modes for each firing group, for up to 5 groups.

TTL Auto with Two Slave Groups



TTL Auto with Three Slave Groups



① When using the eVOLV200 and any R2 family flash trigger together, the R2 transmitter unit can control the flash function such as:

- Flash Mode: TTL, M, Multi
- Sync Mode: First-curtain sync, second-curtain sync and High-speed sync
- Control the power level
- Modeling Lamp: turn on or off
- Audio Signal: turn on or off

Optical Wireless Flash Mode

See the Manual Mode section on page 12 for Optical Slave instructions.

R1 Wireless Remote Control Function

The flash unit is built in with a 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 both on-camera and on the eVOLV200. Insert the receiver end into the Wireless Control Port on the flash (fig B/6) and insert the R1 transmitter onto the camera hot shoe. Settings made on the hotshoe-mounted transmitter will be wirelessly communicated to the flash with the R1 receiver. Then you can press the camera shutter release button to trigger the flash. You can also hold the transmit end at hand to control your off-camera flash.



- For full instructions on the use of R1 series remote control, see its user manual.
- Turn off the eVOLV200 wireless function.

Sync Triggering

The Sync Cord Jack is a $\Phi 3.5$ mm plug. Insert the trigger cord plug into the socket and the flash will be fired synchronously with the camera shutter.

C.Fn: Setting Custom Functions

Custom Function Display Number	Functions	Setting Display	Setting & Descriptions	Limitations
F1	Beeper	ON	ON	NO
		OFF	OFF	
F2	S1/S2 mode selection	OFF	OFF	M mode
		S1	S1 Mode	
		S2	S2 Mode	
F3	Auto hibernate	OFF	OFF	NO
		30 min	Auto hibernate without any operation	
		60 min		
		90 min		
F4	Delay flash	OFF,	Can be triggered as second curtain	M/Multi mode
F5	Mask	OFF	OFF	M mode
		N1	ON: Trigger 2 times for 1 cycles, 1st flash of trigger.	M mode
		N2	ON: Trigger 2 times for 1 cycles, 2nd flash of trigger.	
F6	t0.1 display flash duration	ON	Display	M mode
		OFF	No Display	

1. Long press <C.Fn> button for 2 seconds to enter the C.Fn menu.
2. Select the Custom Function. • Turn the Selection Dial to select the Custom Function. An icon appears on the lower portion of the LCD screen to represent the Custom Function selected.
3. Change the setting. • Press <SET> button and the Setting No. blinks. • Turn the Select Dial to set the desired feature. Press <SET> button will confirm the settings.
4. Exit C.Fn menu • Press <Mode> button to exit.

MASK Custom Function 5

The MASK Custom Function 5, adds the power of creating photographic digital masks that can be used in layers within photo editing software, to mask subjects, isolating them from backgrounds without the use of special computer based post production techniques. A great time saver.

You need to establish the link from the transmitting R2 Rapid or XPLOR 600 Custom Function corresponding to the MASK feature. The concept is simple, while one set of flashes fire for the main subject, the other set flashes

immediately after in sequence to make 2 different exposures. The execution is precise when you follow the linking process on each flash, assigning the N1 or N2 designation as needed.

There are two settings for the Custom Function on the eVOLV200.

N1: Mask function is on: when the camera fires 2 shots rapidly, the units linked will trigger on the first shot.

N2: Mask function is on: when the camera fires 2 shots rapidly, the linked units will trigger on the second shot.

Troubleshooting

If there is a problem, refer to this Troubleshooting Guide.

The flash exposure is underexposed or overexposed.

- There was a highly reflective object (e.g. glass window) in the picture.

- > Use FE lock (FEL).

- You used high-speed sync.

- > With high-speed sync, the effective flash range will be shorter. Make sure the subject is within the effective flash range displayed.

- You used Manual Flash mode.


- > Set the flash mode to TTL or modify the flash output using a flash meter for accurate exposure.

Other LCD Error Messages

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

Prompts on LCD Panel	Meaning
E1	A failure occurred on the recycling system that prevents the flash from firing. Please restart the flash unit. If the problem still exists, please send this product to our maintenance center.
E2	The system is excessively hot. Please allow a rest time of 10 minutes.
E3	The voltage on two outlets of the flash tube is too high. Please send this product to our maintenance center.
E9	There are some errors that occurred during the upgrading process. Please try again using the correct firmware upgrade method.

Temperature Protection Function

- To avoid overheating and deteriorating the flash heads, do not fire more than 100 continuous flashes in fast succession at 1/1 full power. After 100 continuous flashes, allow a rest time of at least 10 minutes.
- If you fire more than 100 continuous flashes and then fire more flashes in short intervals, the inner over-temperature protection function may be activated and alter the recycling time to over 10 seconds to protect the circuitry. If this occurs, allow a rest time of about 10 minutes, and the flash unit will then return to normal operation.
- When the overheat protection is triggered by high temperatures,  icon is shown on the LCD display.

Number of flashes that will activate over-temperature protection:

Power Output Level	Number of Flashes	
	Speedlite Flash Head	Bare bulb Flash Head
1/1	40	60
1/2 (+0.3,+0.7)	50	80
1/4 (+0.3,+0.7)	60	100
1/8 (+0.3,+0.7)	100	150
1/16 (+0.3,+0.7)	200	200
1/32 (+0.3,+0.7)	300	300
1/64 (+0.3,+0.7) 1/128 (+0.3,+0.7)	500	500

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

Power Output Level	Number of Flashes	
	Speedlite Flash Head	Bare bulb Flash Head
1/1	40	50
1/2 (+0.3,+0.7)	50	60
1/4 (+0.3,+0.7)	60	75
1/8 (+0.3,+0.7)	75	100
1/16 (+0.3,+0.7) 1/32 (+0.3,+0.7)	80	150
1/64 (+0.3,+0.7) 1/128 (+0.3,+0.7)	100	200

Firmware Upgrade

This flash supports firmware upgrade through the USB port.

Update information will be released on our official website.



A USB cord is not included in this product.
The USB port is a standard Micro USB socket.

Note: Press < **MODE** > button and turn the flash on, the firmware update version (e.g. Version 1.0 will read U-1.0) will be displayed on the panel.

Technical Data

Model	eVolv200	
Wireless Slave Unit	*Radio transmission mode (compatible with Nikon & Canon & Sony)	
Flash Mode	Wireless off	M/Multi
	Slave unit of radio transmission	TTL/ M/Multi
Compatible Cameras under Radio Transmission (as slave unit)	Nikon cameras (R2N as master unit) Canon EOS cameras (R2C as master unit) Sony cameras (R2S as master unit)	
Guide No. (ft/m ISO 100)	Speedlite flash head: 170ft/52m (ISO 100) 35mm coverage Bare bulb flash head: 196ft/60m (ISO 100, with the standard reflector)	
Flash Duration	Speedlite flash head: 1/220 to 1/13000 seconds Bare bulb flash head: 1/220 to 1/11300 seconds	
Power Output	200W	
Power Range	8 steps: 1/128~1/1	
Stroboscopic Flash	up to 90 times, 99Hz	
Flash Exposure Compensation (FEC)	Manual. FEB: ±3 stops in 1/3 stop increments.	
Sync mode	High-speed sync (up to 1/8000 seconds), first-curtain sync, and second-curtain sync	

Technical Data (Continued)

Delay Flash	0.01~30 seconds
Mask	√
Beeper	√
Modeling Lamp (LED)	√
Optic Slave Flash	S1/S2
Flash Duration Indication	√
Wireless Flash	
Wireless Flash	R2 2.4G radio and optical reception
Wireless flash function	Slave, Off
Controllable slave groups	5 (A, B, C, D, and E)
R2 Radio reception range (approx.)	330ft/100m
Channels	32 (1~32)
Power Supply	Lithium battery pack (14.4V/2900mAh)
Full Power Flashes	520
Recycle Time	Approx. 0.01-2.1s
Battery Indicator	√
Power Indication	Power hibernate automatically after approx. 30 minutes of idle operation.
Sync Triggering Mode	3.5mm sync line, Wireless control port
Color Temperature	5600±200k
Dimension	168x75x50mm (flash head not included)
Net Weight	560g (flash head & battery not included)

Maintenance

- Shut down the device immediately once abnormal operation be detected.
- Avoid sudden impacts.
- The product should be clean and be dust-free.
- It is normal for the flash tube 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 and expert service.
- This product, except consumables (e.g. flash tube), is supported with a one-year warranty.
- Unauthorized service will void the warranty.
- If the product has problems such as electronic failure or was exposed to moisture, cease use until it is repaired by our professionals.
- 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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TWO YEAR FLASHPOINT LIMITED WARRANTY

Flashpoint warrants to the original purchaser that your Flashpoint eVOLV200 shall be free from defects in material and workmanship for the period of one (2) 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.

