

FP FLASHPOINT



XPLOR 600 PRO TTL ^{R2}

The world is yours to XPLOR

FPLFX600PTB
Bowens Mount

We Celebrate Your Flashpoint R2 Wireless Radio Monolight Selection!

The XPLOR 600Pro TTL beckons. The compact 600ws marvel invites you to go beyond the straight of wire dependency and soar into the free and easy heights only R2 Radio tenders. True, accurate TTL, lithium powered mobile imaging that spurs your creative imagination to conquer distant vistas, solve the challenging lighting situation in any environment, adapt to multiple camera systems right out of the box. The unmatched R2 Radio System links Canon, Nikon, Sony, Fujifilm and Olympus/ Panasonic seamlessly for the ultimate to remote solutions. The sun is no match to this exceptional performer with superior HSS up to 1/8000s. And the broad spectrum of Bowens mount light modifiers available, contours every possible lighting occurrence from studio to peak.

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 XPLOR 600Pro TTL is the next evolution of the Flashpoint R2 radio system, compatible with the R2 Canon, Nikon, Sony, Fujifilm and Olympus/Panasonic TTL auto flash systems, for remote power control and shooting. With a focus on portable lighting, the R2 Family liberates you from the hassle and tangle of wired 600ws monolights - whether you are a wedding or event photographer, environmental portraiture shooter, freelance commercial studio illustrator, eager photojournalist, a wandering backpack adventurer, or fast action sports snapper.

- Studio Quality Light: Delivers 600ws, with a GN of 285ft/87m ISO 100, standard reflector.
- Wireless TTL Radio: Built-in Flashpoint 2.4G wireless R2 system, compatible with Canon, Nikon, Sony, FUJIFILM, Olympus and Panasonic TTL auto flash systems.
- Blazing fast Recycle time: 0.9s at Full Power rivals AC strobes.
- Precise power output: power adjusts 9 stops from full power 1/256 to 1/1 in 25 steps.
- Stable Color Temperature mode: color temperature guaranteed within $\pm 75^{\circ}\text{K}$ over the entire power range.
- LED Modeling Lamp: Brilliant 38W LED module with Proportional, Variable and Synced settings.
- HSS supremacy: Up to 1/8000s high-speed sync flash triggering overcomes sunlit challenges.
- Advanced functions: Mask Sequencing, Multi Flash, Slave Delay.
- Dot-matrix LCD panel: Clear and convenient operation.
- Modifier Accessories: Bowens mount ease for softbox, beauty dish, snoots, color gels, reflectors...

Take a deep breath. Your reach is now beyond your dreams.
XPLOR 600Pro TTL is reality.

Safety Instructions

- 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 impact or force. Electric shock may occur if you touch the internal parts.
- Do not use the flash unit in the presence of flammable gases, chemicals and ignitable materials. In certain circumstances, these materials may be sensitive to the strong light or electromagnetic interference emitted from this flash unit.
- Do not leave or store the flash unit if the ambient temperature reaches over 120°F/50°C (e.g. in a sun bathed automobile). Electronic parts may be permanently damaged.
- Do not use any power supply to charge the battery, other than the one included.
- 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. 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 reset the strobe by cycling the power off and then on again.
- 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.

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.
- 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.

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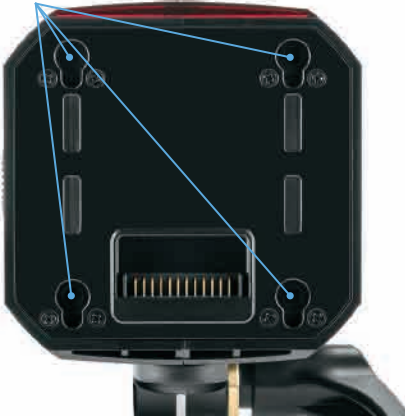
Name of Parts

Body





Battery Receiver Sockets



Battery Alignment Posts



Wireless Control
USB Port

Type-C
USB

3.5mm
Sync Cord
Port



Battery Charger
Port

Charge Level
Indicator

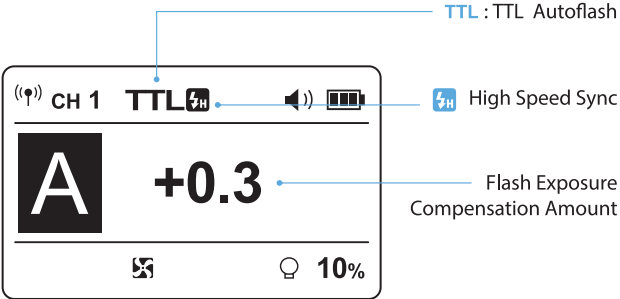
Battery Status
Button

Control Panel

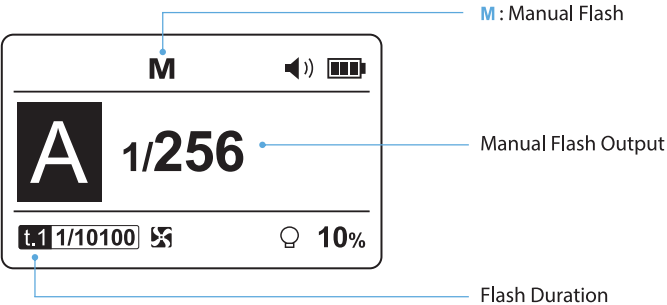


LCD Panel Guide

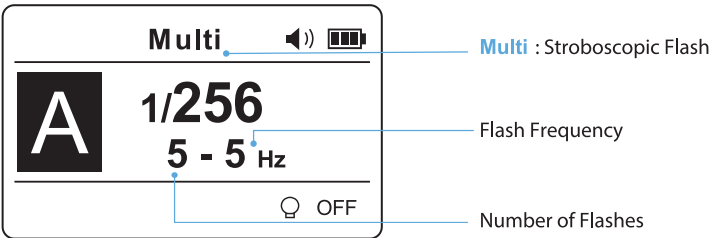
TTL Autoflash



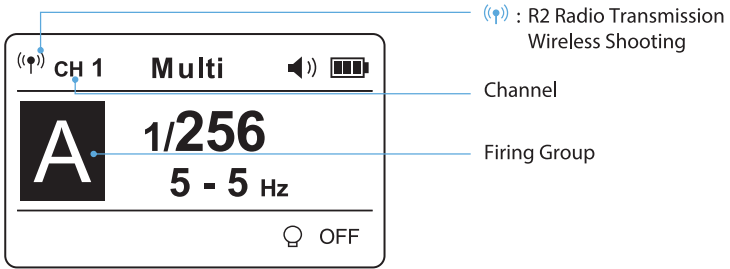
Manual Flash



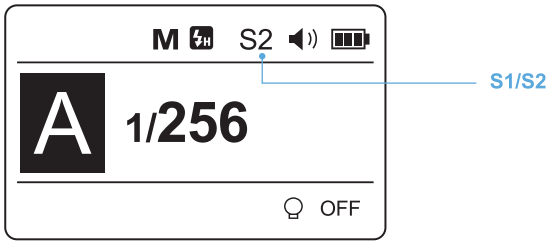
Multi Flash



R2 Radio Wireless



Optical Wireless



Included Items

1. Flashpoint XPLORE 600Pro TTL Monolight
2. Flash tube
3. Lithium battery pack
4. Battery charger
5. Power cord
6. Reflector
7. Instruction manual



Preparing the XPLOR 600 PRO TTL

Fast Track Instructions

The detailed operating instructions follow this short guide.

1. Charge the lithium battery pack.
2. Mount the battery.
3. Attach the Stand Adapter to a light support and secure it with the Stand Lock Knob.
4. Remove the protective transport cap from the Reflector.
5. Option: Mount Light Modifiers on the Accessory Mount.
6. Switch on the unit by pressing and holding the Power Button.
7. Set Modeling light setting with the Modeling Lamp Button.
8. Set the tilt position of the flash with the Tilt Adjusting Handle.
9. Select the Wireless Radio status with the Wireless Selection Button.
10. Select flash Mode by pressing the Mode Button.
11. Select flash light output with Select Dial.
12. Select the Group assignment; short presses on GR/CH Button.
13. Select the communication Channel; long press on GR/CH Button, Select Dial to display values, Set Button to choose Channel.
14. Select Ready signal setting with the Beep button.
15. Release a test flash by pressing the TEST button.
16. Option: Set Sync setting with the HSS button.
17. Go for it!

The Details

First Time Prep: Attaching the Flash Tube

1. Remove the reflector or other modifiers from the flash head.
2. Align the 4 Flashtube pins to match the protruding rings in the Tube Socket [4] surrounding the LED Modeling Lamp [3] on the XPLOR body. Push the flash tube in firmly until it is securely seated into the socket. The flashtube can be handled without protective gloves as the outer glass shields the actual flashtube.



Installing a Reflector (or Other Accessories or Modifiers)



The XPLOR 600 PRO TTL built-in reflector delivers an extremely even and generous light spread with great output efficiency.

The Bowens S-type is one of the most popular mounts in the world, with reflectors, softboxes, snoots and beauty dishes, and all compatible light shaping tools from Flashpoint and Glow, to expand your already amazing light into one of the best 600ws wireless flash sources you could have ever dreamt of.

1. Press down the Reflector/Modifier Lock Release lever.
2. Insert the reflector or any Bowens mount light modifier into the 3 tabs of the Reflector/Modifier Lock Release.
3. Turn clockwise to lock it into place.

Tilt Handle

The Tilt Lock Handle locks the angle of the flash tilt by rotating the lever clockwise and unlocks by rotating counterclockwise, to allow for positioning of the light.

The handle resting angle can be set to any degree by pulling the handle away from the body, and freely rotating it to your desired position. The handle springs back to act as a locking lever when released.

Battery Pack Module

Features

The Flashpoint XPLORE 600Pro TTL uses an advanced 28.8v/2600mah Li-ion polymer battery with exceptional performance. The available charge-and-discharge cycles exceed 300 times.

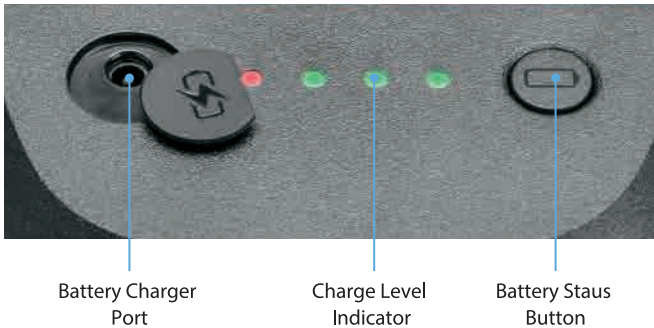
The battery pack is designed to be reliable and safe with circuitry to prevent overcharge, deep discharge, excess current, and short circuit. It takes only 2 hours to fully charge the battery by using the standard battery charger.

Battery Precautions

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. Avoid 24 hours of continuous charging.
5. Store in a dry, cool, ventilated place.
6. Do not dispose into fire or incineration.
7. Dead batteries should be disposed according to local regulations.
8. Never leave a depleted battery in storage. It's best to recharge batteries every 3 months.

Charging the Battery Pack

Simply plug the post end of the worldwide charger in the socket on the top left of the lithium battery module, under the protective cover flap.



A complete full charge takes just 2 hours. Uncouple the charger in less than 24 hours to preserve the battery operation at peak performance.

Battery Level Indication

The status of the battery pack can be confirmed at any time, by pressing the Battery Status Button found on the top right of the module. When in use, attached to the XPLOR 600Pro, the battery level is displayed on the upper right corner of the LCD panel.

Battery Level Indication on the LCD Panel (Indicating battery level and management of the whole flash system)	LED Battery Level Indication on the Battery (Indicating battery level and management of non-loaded battery)	Meaning
3 bars	1 red lights +3 green lights	Full battery
2 bars	1 red lights +2 green lights	Medium battery
1 bars	1 red light +1 green light	Low battery
No bars	1 red light	Depleted battery. Please recharge.
Blinking Icon	No lights	The battery is empty. The flash will auto power off in 1 minute. Note: Please recharge the battery as soon as possible (within 2 days) or you risk shortening the cell usage.

Note: Please recharge the battery as soon as possible, within 10 days, to avoid deep discharge that weakens the cell's refresh abilities and life cycle.

Mounting and Releasing the Battery Pack

Battery Receiver Sockets



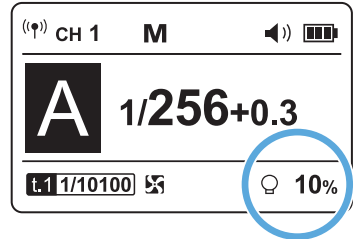
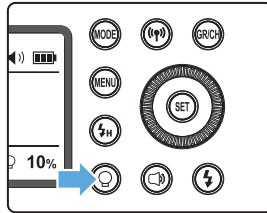
Battery Alignment Posts



To mount the battery pack, match the battery's 4 Alignment Posts with the main battery compartment's sockets on the rear of the XPLOR 600Pro. Slide the battery pack down until it is securely locked in place.

To release the battery, first turn off the power. Then, slide the Battery Release to the right while lifting the battery pack upward, out of the connection. The battery should be free to remove from the Receiver Sockets.

Modeling Lamp



The XPLOR 600Pro TTL is equipped with a brilliant 38W LED modeling lamp which has three modes: OFF, Percentage and PROP. Short press the Modeling Lamp Button, and the three modes will be displayed on the LCD panel in sequence.

OFF: the modeling lamp is off.

Variable: Set the brightness you want, from 10%~100%. Long press the Modeling Lamp Button for 2 seconds to manually adjust the percentage of modeling lamp from 10% to 100%, with Select Dial. The brightness level is displayed on the LCD panel.

To prevent overheating, the fan rotates at a low speed when the lamp is set to less than 30%, while a greater than 30% setting, puts the fan in high speed.

PROP: The modeling lamp's power changes in proportion to the flash's power. The stronger power the flash, the brighter the modeling lamp. To prevent overheating, the fan rotates in low speed under 1/64, while over 1/64, in high speed.

Umbrella Mounting

Umbrellas are easily mounted by sliding the umbrella shaft into the Umbrella holder located at the top of the Stand Adapter. The shaft is held firmly in place with a tension spring device. The umbrella is fixed properly in the clip when the umbrella shaft diameter is between 7 to 8mm.



Operation

Power Management

Long press the <ON/OFF> Power Switch for a few seconds to turn on the flash unit. The LCD Display illuminates and shows the memorized previous settings for Power, Radio Remote, Channel and Group designation. The flash is ready to use.

The XPLOR has an energy saving auto power off function. The flash will automatically power off the monolight in 30 to 120 minutes depending on your selection in the Custom Function / Standby menu. Turn off the power pack if the flash unit will not be used for an extended period. All of the current settings are stored for auto-recall when the flash is switched on again.



Flash Modes

Press the Mode Selection Button <MODE> to sequentially display the 3 flash modes on the LCD panel with each press.

The XPLOR 600Pro TTL flash has three flash modes: TTL, Manual (M), and Multi (Stroboscopic).

In R2 TTL mode, the camera with a R2 transmitter, and the XPLOR 600Pro TTL, will work together to calculate the correct exposure for the subject and the background.

Flash Mode – R2 TTL Wireless Radio Autoflash

R2 TTL Primer

The XPLORE 600Pro TTL 2.4G Wireless R2 system monolight, connects to the whole family of R2 transmitters and speedlights for R2 Canon E-TTLII, Nikon iTTL, Sony, Fujifilm and Olympus/Panasonic TTL systems. The flash responds instantly to match the various transmitters camera system without user intervention. Different camera systems signals can be used on the same channel simultaneously without failing to sync TTL properly.

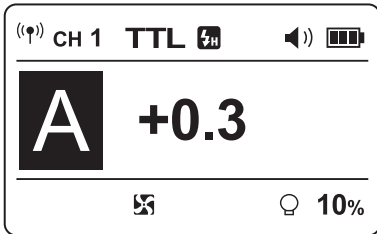
One Remote to Rule Them All.

As a slave unit, the Flashpoint XPLORE 600Pro TTL can be controlled by the following master units: Flashpoint Streaklight 360 TTL, Zoom Li-on Series, Zoom Manual's, Zoom Mini's, and the M1 Pro flashes, plus the R2 Pro and R2T series transmitters; Godox AD360II series, TT685 series, V860II series, XPro series, X1T series, TT600 series, and TT350 series.

The XPLORE 600Pro TTL operates primarily as a R2 wireless slave strobe, either with the XPLORE's built-in R2 wireless receiver or external R1 wireless connections. These 2 options are accessible through the Wireless Selection Button. When the ((P)) symbol appears on the LCD screen, R2 Radio is active and ready to sync. When switched off and no icon is present, the 'traditional' wired cable sync option, using the 3.5mm sync cord jack, or the built-in wireless IR Slave Eye sync, can trigger the flash. Press the Wireless Selection Button to switch the R2 Radio, on or off.

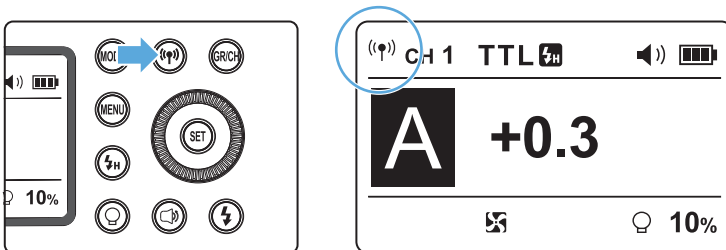
Getting Started with R2 TTL Wireless Flash:

First, press the Mode Selection Button <MODE > to enter TTL mode. The LCD panel will display <TTL>.



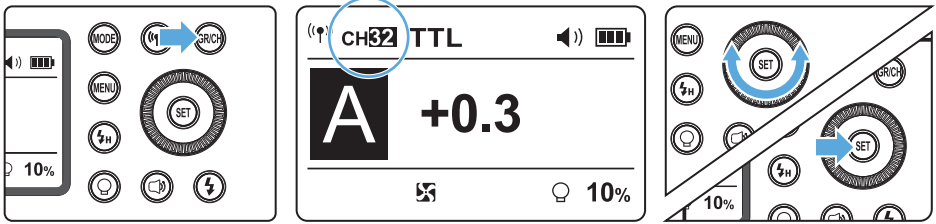
Wireless Settings

Press <((P)) > Wireless Setting Button until <((P)) > is displayed on the LCD panel.

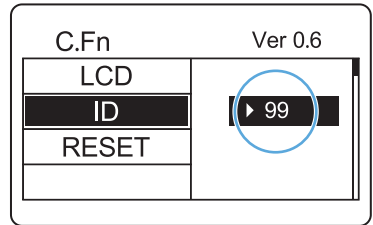


Setting the Communication Channel

You can select the channel values to prevent signal interference if there are other wireless flash systems nearby and assure connectivity strength. The channel value of the master units and the slave units must be set to the same number.



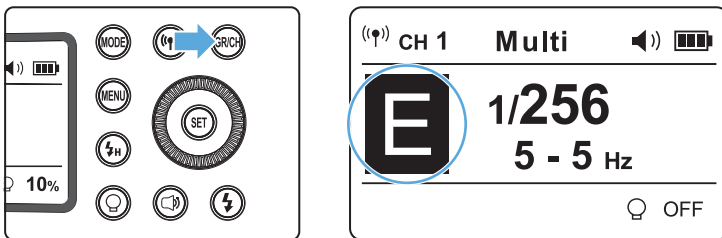
1. Long press the <GR/CH> Button for 2 seconds so that the Channels ID selection value is highlighted on the LCD panel.
2. Turn the Select Dial to choose a channel value from 1 to 32.
3. Press the <SET> button to confirm.
4. Wireless ID setting: press the MENU button to enter C.Fn-ID and choose from 01 to 99. Note: Wireless ID selection can only be achieved when the transmitter also has this function.



Currently, only the R2 Pro series transmitter has this feature.

Setting the Communication Group

1. Short press the <GR/CH> Button to choose group designation from A to E. Take care to note: Some R2 transmitting flashes are limited to only Groups A through C.

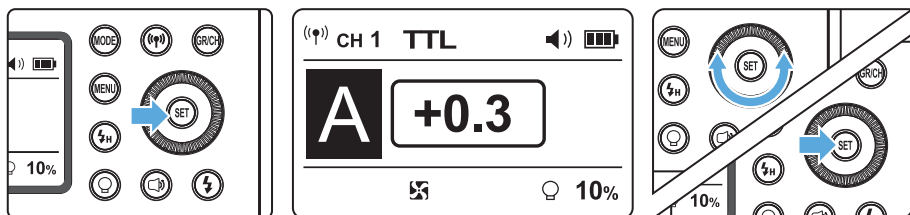


R2 Wireless TTL Flash Mastery Notes

- The master flash that is transmitting R2 wirelessly, determines all the exposure settings on the receiving XPLOR flash.
- Before shooting, perform a test flash and test shooting for proper links for modes and exposure.
- The transmission distance might be shorter than the ideal maximum range, depending on the conditions such as positioning of slave units, the surrounding environment influences and weather conditions.

FEC: Flash Exposure Compensation

With FEC function, the XPLORE 600Pro flash can fine tune TTL from -3 to +3 in 1/3rd stops. It is useful in situations where minor adjusting of the TTL system is needed based on environment and backlit subjects.

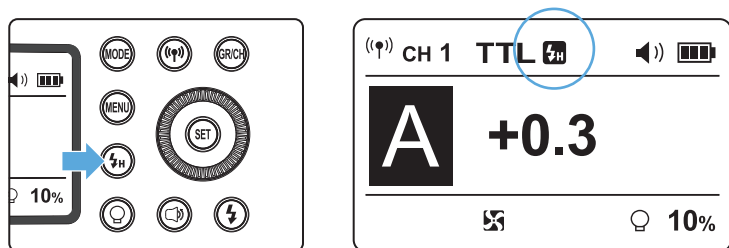



Setting FEC:

1. Press <SET> 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 step, “0.7” means 2/3 step.
 - To cancel the flash exposure compensation, set the amount to “+0”.
3. Press <SET > button again to confirm the setting.

High-Speed Sync

High Speed Sync (HSS) enables the flash to synchronize with all camera shutter speeds. The sun is no longer an impediment to masterful lighting outdoors. By being able to utilize shutter speeds as well as f-stops, to control exposure, the power of the flash can overcome the presence of too much sunlight or the impact of ambient light when shooting in bright environments. This is also convenient when you want to use aperture priority for fill-flash portraits.



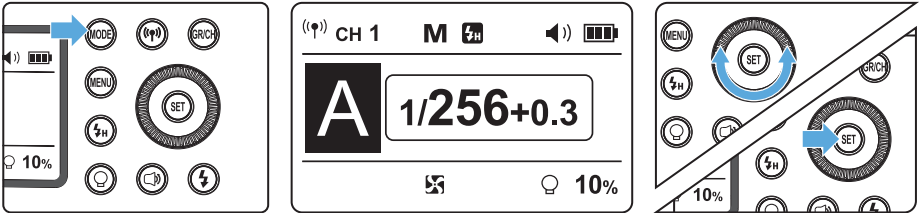
1. Press High Speed Sync Button so that  is displayed.
2. Use a Flashpoint R2 or R1 series transmitter to act as the master trigger.



• If you set a shutter speed that is the same as or slower than the camera's maximum flash sync speed, $\langle \text{H} \rangle$ will not be displayed in the viewfinder. With high-speed sync, the faster the shutter speed, the shorter the effective flash range. To return to normal flash, press $\langle \text{SYNC} \rangle$ button again. Then $\langle \text{H} \rangle$ will disappear. Multi flash mode cannot be set in high-speed sync mode. Over-temperature protection may be activated after 50 consecutive high-speed sync flashes.

Flash Mode M: Manual Flash

The flash output is adjustable manually from 1/1 (full power) to 1/256th power in 1/3rd stop increments. To obtain a precise flash exposure, use a hand-held flash meter to determine the required flash output.



1. Press $\langle \text{MODE} \rangle$ button so that $\langle \text{M} \rangle$ is displayed.
2. Turn the Select Dial to choose a desired flash output amount.
3. Press $\langle \text{SET} \rangle$ button again to confirm the setting.

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

Optical Slave Triggering - S1 Setting

The Optical Slave triggers the XPLOR to fire in tandem at the speed of light, upon sensing another flash exposure. This helps in creating multiple lighting very simply. As some flashes have more than one burst, S1 Slave is to be used for non-TTL strobes producing a single flash for each exposure.

In M manual flash mode, press the $\langle \text{MENU} \rangle$ button to enter C.FN-SLAVE to choose the S1 function, so that this strobe will fire immediately as a slave, or secondary flash, when the sensor sees another flash fire. Use this mode to trigger this flash with another manual flash, and in an area where no others are doing flash photography as well. It provides the same effect as that by the use of R2 radio triggers without the TTL exposure link.

Optical Slave Triggering – S2 Setting

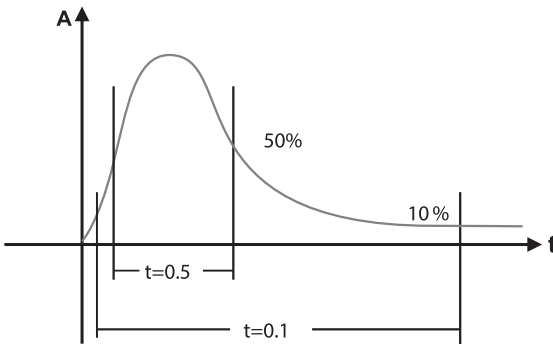
Press the <MENU> button to enter C.FN-SLAVE to choose the S2 function, so that this flash can also function as an optical slave S2, or secondary flash, for master flashes in TTL mode. They produce a single “pre-flash” that the S2 Slave setting will ignore and will only fire in response to the second, actual flash exposure, from the main unit. The S2 slave function provides the same effect as that by the use of R2 radio triggers but without the TTL exposure link. This helps in creating multiple lighting very simply.



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

Flash Duration

Flash duration refers to the length of time that from flash’s firing to reach the half peak at maximum output of the light burst. 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.

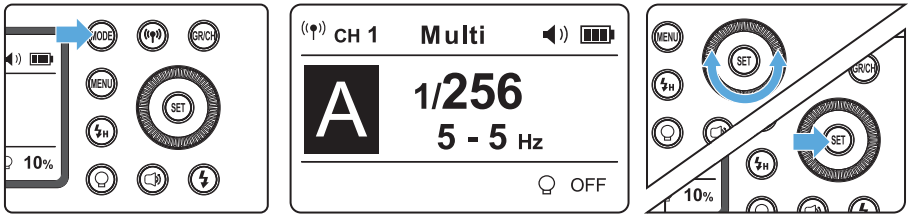


• The flash duration will only be displayed on the LCD panel in M mode.

Flash Mode Multi: Stroboscopic Flash

With stroboscopic flash, a rapid series of flashes are fired. The feature 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 second, 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.
 - After you finish the setting, press <SET> button and all the settings will be displayed.

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 your camera.

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 seconds.

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

- ℹ Stroboscopic flash is most effective with a highly reflective or a subject that has strong contrast against a dark background.
Use of 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 "Bulb", know as "Open Flash" technique.
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 below.

Maximum Stroboscopic Flashes

Flash Output \ Hz	1	2	3	4	5	6-7	8-9	10	11	12-14	15-19	20-50	60-100
1/4	7	6	5	4	4	3	3	2	2	2	2	2	2
1/8	14	14	12	10	8	6	5	4	4	4	4	4	4
1/16	30	30	30	20	20	20	10	8	8	8	8	8	8
1/32	60	60	60	50	50	40	30	20	20	20	18	16	12
1/64	90	90	90	80	80	70	60	50	40	40	35	30	20
1/128	100	100	100	100	100	90	80	70	70	60	50	40	40
1/256	100	100	100	100	100	90	80	70	70	60	50	40	40

Setting Custom Functions / C.Fn

The XPLOR 600 Pro TTL has a myriad of features that can be used for your creative control though the Custom Function settings.

1. Press <MENU> Button to enter C.Fn menu. The “Ver x.x” in the top-right corner refers to the Firmware version.
2. Select the Custom Function you wish to change, by turning the Select Dial to scroll through the Custom Functions headings.
3. Change the Setting.
 Press<SET> button to go to the sub settings. The choices are highlighted.
 Turn the Select Dial to set the desired setting. Press <SET> button to confirm the settings.
4. Exit C.Fn Menu.
 Press <MENU> Button to exit.

Setting Custom Functions [C.Fn]

Custom Function Signs	Functions	Setting Signs	Settings & Descriptions	Restrictions
COLOR	Stable color temperature	ON	ON	M Non high-speed mode
		OFF	OFF	
SLAVE	S1/S2 mode selection	OFF	OFF	M mode
		S1	S1 mode	
		S2	S2 mode	
MODEL	Modeling lamp	CONT	Continuous lighting	NO
		INTER	Off after finishing the flash recycle	
STANDBY	Auto power off	OFF	OFF	NO
		30min	Auto power off without any operation	
		60min		
		90min		
		120min		
LIGHT	Backlighting time	15sec	Off in 15 sec.	NO
		OFF	Always off	
		ON	Always lighting	
DELAY	Delay flash	OFF , 0.01~30S	Can be triggered as second curtain	M/Multi mode
UNITS	Total number of flashes	2~4	Use UNITS in combination with ALT: UNITS sets the total number of flashes; ALT sets the triggering times before flash's firing	M mode
ALT	Triggering times			M mode
LCD	LCD contrast	-3 ~ +3	7 levels	
ID	Wireless ID	OFF	off	Wireless mode
		01-99	Choose from 01 to 99	
RESET	Parameter resetting	NO		NO
		YES	Reset	

More Features

Stable Color Temperature Option

The function limits the maximum error of color temperature in full power to approximately +/- 100°K. To select this feature, enter MENU C.Fn-COLOR and select ON. The color temperature function is turned on and ready for Full Power color stability. When adjusting the power output from high to low in M mode, the ⚡ Flash Ready Indicator will blink, the audio beep will prompt for 10 times, indicating power bleed to stabilize the output. Press the Test Button to discharge and recycle the flash for normal balanced operation.



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

Masking Unit/Alt Feature - C.Fn

There are two main excellent uses for this superior function.

The first is for the product photography of items that have intricate edges, where you often want to mask out the background. This is especially valuable when the subject is difficult to trace with a clipping path or background erasure tools in image manipulation software, like Adobe Photoshop. By defining key lights as one Group, and your background lights as another Group, a series of shots will be produced, all in layer register. First, a shot of the subject, and second, a silhouette white/black background shot, perfect for defining a layer mask, in post-production composition.

The second valuable advantage is for sports and live action photographers that need to record rapidly developing events with flash to freeze motion, without the necessity to wait for a strobe to recycle. By forcing alternate firing among multiple Group Units, consecutive flashes result in the ability to fire 'bursts' of exposures very rapidly in sequence, depending on how many flashes you have set up in this manner.

What a real benefit to serious shooters.

The C.Fn/UNITS menu has 3 choices that allow you to designate the number of flashes that will be used to create the masking exposures. By setting the UNIT/ALT Custom Function carefully, you can specify Groups and the firing sequence for those Groups with multiple lights. The flash senses the order of the triggering of the camera shutter and fires a different group of lights each time, according to the assigned numeral order. All lights must be in M mode. The term UNIT/ALT refers to the assigning of flash 'UNIT's, Group sequence, masking them from firing simultaneously, and 'ALT', because the Group firing alternates or rotates between the Groups.

Here's How to Do It:

1. On the XPLOR 600Pro TTL, go to the Menu button, scroll with the Select Wheel to Custom Function UNITS feature. You will see 3 values with how many Groups of lights that can be assigned firing sequence to cycle through: 2 MASK, 3 ALT, or 4 ALT.
2. Make the selection for the Groups.
3. Exit UNITS by rotating the Select Dial and highlight ALT.
4. Now, enter the ALT submenu by pressing the Set button.
5. The ALT value sets to which particular Group this XPLOR is assigned: for example, 1, 2, or 3, displayed as circles corresponding to the number of UNITS selected.
6. Make a designation by highlighting the display number, rotate the Select Wheel to change the value, and pressing Set to fix the selection. The circle related to the number value darkens with a 'bolt' symbol within.
7. Once everything is set, firing rotates through the defined Groups of lights in sequence. So, "1" UNITS lights fire first, then on the next shot, the "2" UNITS lights fire, and so on.

Example with 2 Groups and 3 images combined in layered file:

Shot 1 / Units 1 Group



Shot 2 / Units 2 Group



Combined Layers in PS



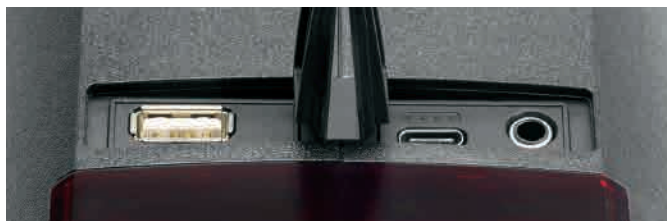
R1 Wireless Control Function

This 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 with a R1 (non R2) Flashpoint transmitters.

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 $\Phi 3.5\text{mm}$ plug. Insert a trigger plug to the port and the other end to the sync terminal on your camera. While no data is transferred, the flash will be fired in synchronization with the camera shutter.

Protection Features

Over-Temperature Protection

To avoid overheating and deteriorating the flash head, do not fire more than 100 continuous flashes in fast succession at 1/1 (full power). After 100 continuous flashes, allow an idle time of at least 5 minutes.

If you fire more than 100 continuous flashes and then fire more flashes in short intervals, the over-temperature protection function may be activated and, as a precaution, performance is limited, slowing the recycling time down to over 10 seconds. If this occurs, give the poor flash a break, and allow a rest time of about 5 minutes. Your great flash unit will then return to normal duty.

When the over-temperature protection is triggered,  is shown on the LCD display.

Number of flashes that will activate over-temperature protection:

Power Output Level	Number of Flashes
1/1	100
1/2 (+0.3,+0.7)	150
1/4 (+0.3,+0.7)	200
1/8 (+0.3,+0.7)	300
1/16 (+0.3,+0.7)	400
1/32 (+0.3,+0.7)	500
1/64 (+0.3,+0.7)	1000
1/128 (+0.3,+0.7)	
1/256 (+0.3,+0.7)	

Number of flashes that will activate over-temperature protection in HSS High-Speed Sync triggering mode:

Power Output Level	Number of Flashes
1/1	50
1/2 (+0.3,+0.7)	60
1/4 (+0.3,+0.7)	75
1/8 (+0.3,+0.7)	100
1/16 (+0.3,+0.7)	150
1/32 (+0.3,+0.7)	200
1/64 (+0.3,+0.7)	
1/128 (+0.3,+0.7)	300
1/256 (+0.3,+0.7)	

LCD Error Messages

When something needs your attention, the system provides real-time protection to secure the device and your safety. The following lists LCD error prompts for your reference:

Prompts on LCD Panel	Meaning
E1	A failure occurred on the recycling system so that the flash cannot fire. Please restart the flash unit. If the problem still exists, please send this product to a maintenance center.
E2	The system gets excessively hot. Please allow an idle time of 10 minutes before firing.
E3	The voltage output to the flash tube is too high. Please send this product to a maintenance center.
E9	There are errors that occurred during the update process. Please update again with care to use the correct firmware and upgrade method.

Technical Data

Flashpoint Model		XPLOR 600 Pro TTL	
Power		600ws	
Guide Number		285 ft /87 m ISO100 - with standard reflector	
Compatible cameras under R2 Radio transmission as slave		Compatible with Canon E-TTL II, Nikon i-TTL, Sony, Olympus, Panasonic and Fujifilm	
Wireless Slave Unit Mode		Compatible with Canon E-TTL II, Nikon i-TTL, Sony, Olympus, Panasonic and Fujifilm.	
Flash Mode		Wireless off	M/Multi
		Slave Unit of R2 radio transmission	TTL/M/Multi
Power Output		9 Stops: 1/256~1/1	
Flash Duration		1/220 to 1/10000 seconds	
Stroboscopic Flash		Up to 100Hz	
Flash Exposure Compensation (FEC)		Manual. Adjustable ± 3 stops in 1/3 stop increments.	
Sync Mode		High Speed Sync (up to 1/8000 second), First-Curtain Sync, and Second-Curtain Sync	
Delay Feature		0.01~30 seconds	
Color Temperature		5600 \pm 75 $^{\circ}$ K	
Mask		Yes	
Fan		Yes	
Beeper		Yes	
Modeling Lamp (LED)		38W	
Optical Slave Sensor		S1/S2	
Direct Sync		3.5mm Sync cord and Optical Slave Sensor	
Flash Duration Indication		Yes	
Display		Dot-matrix LCD Panel	
• R2 Wireless Flash (2.4G Wireless Transmission)			
Wireless Flash Function		Slave, off	
Controllable Slave Groups	2.4Ghz	5 (A, B, C, D, and E)	
Transmission Range (approx.)	2.4Ghz	262ft / 80m	
Channels	2.4Ghz	32 (1~32)	
Wireless ID	2.4Ghz	Yes. Both the Channels and Wireless ID of the XPLOR must match the Master transmitter.	
• Power Supply			
Power Supply		Lithium Battery pack (28.8v/2600mah)	
Full Power Flashes		370	
Recycle Time		Approximately 0.01-0.9s	
Battery Indicator		Yes	
Power Indication		Power off automatically after approximately 30~120 minutes of idle operation. User selectable in Custom Functions	
• Dimensions			
Dimension (with battery)		10x9.65x5" / 250x245x125 mm (sans flash tube & reflector)	
Net Weight (with battery)		6.6lb / 3kg	

Troubleshooting

Refer to this troubleshooting guide to self-service these rare circumstances when something happens that you did not expect.

Problem: The flash exposure is underexposed or overexposed.

Solution 1: You used **HSS** high-speed sync.

When using high-speed sync, the effective flash range is shorter due to the changes in power. Make sure the subject is within the effective flash range displayed.

Solution 2: You used **Manual Flash** mode without a flash meter.

Set the flash mode to TTL or modify the flash output after taking a reading.

Firmware Upgrade



The XPLOR supports firmware upgrade through the USB Port located just to the left of the Sync Port. It is important to keep the firmware up to date to assure proper operation and to add features that may be added as we continue to innovate. Update information is released and made available for download on our official online Flashpoint website. Carefully follow the instructions that accompany the update.



• A USB-C connection cable necessary for the firmware updates is not included with this product.

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 unnecessary.

Maintenance of the flash must be performed by our 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 operational failures or was subjected to moisture, do not use it until it is serviced by professionals. Changes made to the specifications or designs may not be reflected in this manual.

Learn More About R2

Now you have the information. Absorb it well, and the mighty lighting tool you have just acquired will become a beacon of power in your arsenal of creative photography. As we mentioned on the onset of this journey, R2 Radio is one of the most exacting wireless systems available to the world of professional and amateur photographers. This XPLOR 600Pro TTL can be linked and synced to be triggered wirelessly in complete TTL operation with any R2 transmitting member of the R2 Family: The prodigious Flashpoint models of Streaklight 360, Zoom Speedlights, R2T and R2Pro Remote Transmitters – all work seamlessly to clear the path onto the challenge of mastering the light, wherever you go.

R2. One Remote to Rule Them All

The R2 TTL Wireless Flash System is the advanced 2.4GHz radio remote that adds camera TTL dedicated custom functions to your multi flash experience. Easy to use buttons command a full range of functions like reliable channel triggering, group mode selectivity, HSS, all with powerful signal strength and exceptional stability to your selected camera flash language. LED panels clearly display the status of all remotely linked R2 compliant strobes so you always have control of group lighting mastery. R2 wireless communication gives speed of light response to on camera or off camera R2 Family devices for a spectacular advantage on the shoot in any environment.

The proprietary TTL and HSS enabled 2.4GHz **R2 Radio Remote System** transmits atop a modern DSLR body with reliable TTL and pass-through to speedlights, plus laser AF assist. R2 transmitters work with the complete family of Flashpoint Zoom Speedlights, XPLOR600 Monolights and Streaklight Strobes with **R2 TTL radio transceivers built right in**. Add a R2 receiver to any legacy flash with a sync port and it too becomes part of the R2 Family! The incredible range of these compact and lightweight units as well as their integrated functions and features make them the first choice of professional photographers.

The new **Flashpoint R2 Pro** wireless flash trigger, the ultimate dedicated light master for The R2 Family of Flash. Boasting sparkling innovations that make the art of photography easier than ever, at the touch of a button. Like the essential TTL tool, TCM. TCM fusion takes TTL to a new level, overcoming the exposure fluctuations that may occur in TTL shooting by saving the successful exposure value to Manual settings for repeat capture accuracy. The R2 Pro is just one of the innovative R2 Family traits! Come meet the whole clan!

Expect more from Flashpoint.

The journey has just begun.

[R2. World Passport to Everywhere.](#)

Three Year Flashpoint Limited Warranty

Flashpoint warrants to the original purchaser that your Flashpoint XPLOR 600 Pro TTL monolight shall be free from defects in material and workmanship for the period of three (3) years 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.

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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