

*FP* FLASHPOINT



Zoom Li-on X R2  
TTL Speedlight  
for Panasonic and Olympus  
Round Head Zoom with R2 Transceiver

FPLFSMZLXO

# Thank You for Choosing Flashpoint!

The new Flashpoint Zoom Li-on X TTL Speedlight for Panasonic and Olympus, with Integrated R2 Radio Transceiver is the on-camera speedlight fully compatible with the Panasonic and Olympus TTL system that delivers a more natural circular flash spread than ordinary rectangular speedlights.

The more pleasing light performance enjoys the benefits of an ingenious internal interchangeable 7.2V/2600mAh Lithium Ion battery boasting up to 480 without the irritation of cables to an external battery pack. The incredible amount of power produced by this compact and lightweight unit, as well as their integrated functions and features, make the Zoom Li-on X TTL the select choice of pro or amateur photographer.

Beneath the new Flashpoint Zoom Li-on X R2 refined Round Head sleek design, are capabilities that develop the potential of what you can shoot. As a wireless command center for the revered R2 System or as a lone on-camera TTL flash. The round zoom head brings a fresh, even distribution of flashpower that's sure to amaze, wherever your adventure. Well thought out menus, with simplicity and control at heart, keep you focused on the subject, not on tech. Direct Group access, Lithium recycle speed and dependency, every primed for action, reaching across space with a flash so beautiful you'll wonder how we did it.

The R2 Family. Multiple distinct members from mini speedlights to monster monolights. Each one the results of insight and refinement. Becoming a frontrunner does not occur by coincidence. Only by expertise.


# Features

- Round zoom head design delivers the smoothest, most pleasing light ever to grace a speedlight
- Magnetic round flash head rim holds a treasury of light modifiers
- Beautiful Powerful Flash with GN 92ft / 28m @ISO 100 (50mm)
- Uses an advanced Li-Ion Polymer battery for speedy recycle and longer life
- Full power recycle time of fewer than 1.5 seconds
- Approximately 480 full power flashes per charge
- Remote Panasonic and Olympus TTL power control with the Flashpoint R2 System built-in
- Complete compatibility with TTL system features like exposure compensation, EXIF inscription, flash value lock, and High Speed Sync
- R2 TTL communication flashes as a Master or Slave
- Control of 4 different wireless groups
- Slave Mode operates on 5 Groups
- Backlit Matrix LCD
- Multipurpose Buttons with Digital Marking for Faster Navigation
- Zooming 28-105mm head with automatic or manual control
- High Speed Sync for shutter speeds up to 1/8000 second
- Front or Rear Curtain Sync
- 10 Level SMD LED Modeling Lamp
- Regular and Intelligent Optical Slave Modes
- Stable color temperature at  $5600\pm200K$  over the entire power range
- 330-degree rotation and 120 degree tilt Head
- Perfect for on and off camera use
- Level Lock Hot Shoe Foot Clamp

## 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 "p.\*\*".
- The following alert symbols are used in this manual:

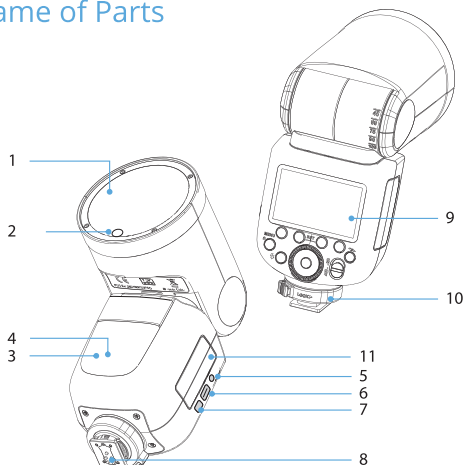
 The Caution symbol gives supplemental information.

 The Note symbol indicates a warning to prevent shooting.

# Contents

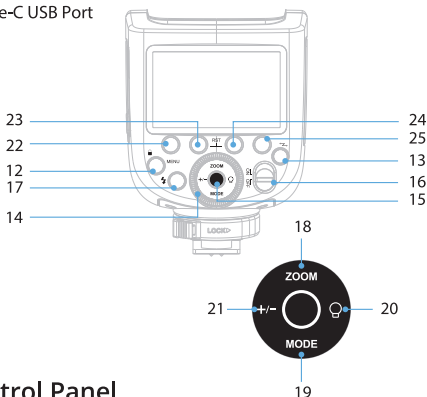
- 1 Foreword
- 2 Features
- 5 Name of Parts
  - Body
  - Control Panel
  - LCD Panel
- 8 Included Items
  - Separately Sold Accessories
- 9 Battery
- 10 LED Modeling Lamp
- 10 Attaching to a Camera
- 10 Power Management
- 11 Flash Mode — TTL Autoflash
  -  FEC (Flash Exposure Compensation)
  -  High-Speed Sync
  -  Second-Curtain Sync
- 13 M: Manual Flash
- 14 MULTI: Stroboscopic Flash
- 15 Wireless Flash Shooting: R2 Wireless Radio Transmission
  - Wireless Settings
  - Group Mode Selection
  - Setting the Communication Channel
  - Wireless ID Settings
  - Scan the Best Open Channel
  - TTL: Fully Automatic Wireless Flash Shooting
  - M: Wireless Flash Shooting with Manual Flash
  - MULTI: Wireless Flash Shooting with Manual Flash
- 22 Other Applications
  - Sync Triggering
  - Bounce Flash
  - ZOOM: Setting the Flash Coverage
  - Low Battery Indicator
- 23 C.Fn: Setting Custom Functions
- 24 Protection Function
- 25 Technical Data
- 26 Troubleshooting
- 26 Firmware Upgrade
- 27 Compatible Camera Models
- 27 Maintenance
- 28 FCC Warning
- 29 Two Year Flashpoint Limited Warranty

# Name of Parts



## Body

- |                             |                           |
|-----------------------------|---------------------------|
| 1. Flash Head               | 7. Battery Release Button |
| 2. LED Modeling Lamp(01~10) | 8. Hotshoe                |
| 3. Wireless Sensor          | 9. LCD Panel              |
| 4. Focus Assist Beam        | 10. Hotshoe Lock Lever    |
| 5. Sync Cord Jack           | 11. Lithium Battery       |
| 6. Type-C USB Port          |                           |



## Control Panel

- |  |   |
|--|---|
| 12. <b>&lt;MENU&gt;</b> Flash Menu Button/Lock Button    | 19. <b>&lt;MODE&gt;</b> Mode Selection Button |
| 13. <b>&lt;Z&gt;</b> Wireless Selection Button           | 20. <b>&lt;Q&gt;</b> Modeling Lamp Setting    |
| 14. Select Dial  | 21. <b>&lt;+/-&gt;</b> Power Output           |
| 15. Set Button   | 22. Function Button 1                         |
| 16. ON/OFF Power Switch                                  | 23. Function Button 2                         |
| 17. <b>&lt;F&gt;</b> Test Button / Flash Ready Indicator | 24. Function Button 3                         |
| 18. <b>&lt;ZOOM&gt;</b> Lens Focal Length                | 25. Function Button 4                         |

# LCD Panel

## (1) TTL Autoflash

**Zoom** : zoom display

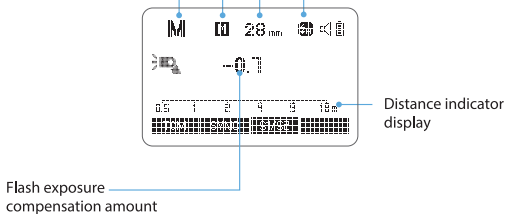
**A** : Automatic

**M** : Manual

**TTL** : TTL autoflash

Lens focal length

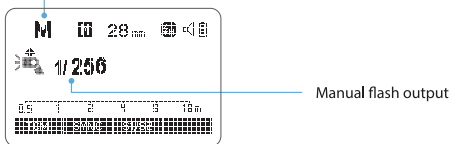
**Hi** : High-speed sync



- The display will only show the settings currently applied.
- The functions displayed above function buttons 1 to 4, such as **SYNC** and <M/A/B/C>, change according to settings' status.
- When a button or dial is operated, the LCD panel illuminated.

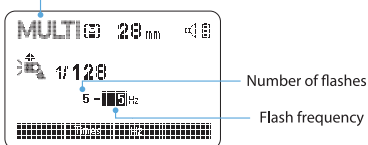
## (2) M Manual Flash

**M** : Manual flash



## (3) Multi (Stroboscopic) Flash

**MULTI** : Stroboscopic flash

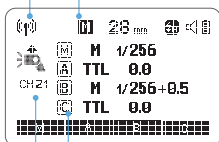


## (4) R2 Wireless Radio Photography

### • Master Unit

Flash mode

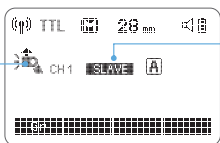
⏏ : R2 Radio transmission  
wireless shooting



Firing group  
Channel

### • Slave Unit

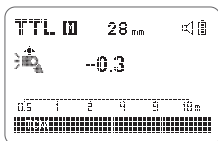
⏏ : Slave icon



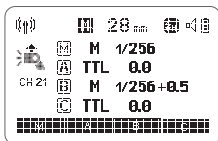
SLAVE : Slave

## LCD Panel in Three Modes

### • Attached to the Camera



### • R2 2.4GHz Radio Transmission: As a Master Unit



### • 2.4G 2.4GHz Radio Transmission: As a Slave Unit





## Included Items

1. Flash Unit
2. Lithium Battery
3. USB Battery Charger
4. USB Cable
5. Charger
6. Mini Stand
7. Protection Case
8. Instruction Manual



1



2



3



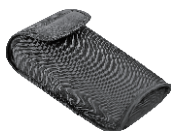
4



5



6



7

## Separately Sold Accessories

The product can be used in combination with the following accessories sold separately, so as to achieve best photography effects: Flashpoint R2 Pro Mark II & R2T II Wireless Transmitters and Round Head Flash Accessory Kit.



# Battery

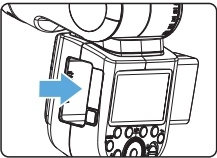
## Features

- 1. This flash unit uses Li-ion battery which has long runtime.  
The approximate charge-and-discharge times are 500.
- 2. Internal circuitry protects to cell from overcharge, overdischarge, overcurrent, and short circuit.
- 3. Take only 3.5 hours to fully charge the battery by using the standard battery charger.

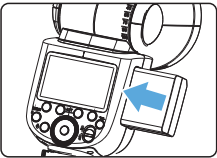
## Cautions

- 1. Do not short circuit.
- 2. Do not expose to rain or immerse into water. This battery is not waterproof.
- 3. Keep out of reach of children.
- 4. Do not charge for more than 24 hours.
- 5. Store in dry, cool, ventilated places.
- 6. Do not expose to fire or leave unattended.
- 7. Dead batteries should be disposed according to local regulations.
- 8. If the battery has not been used for over 3 months, a full recharge.

## Loading and Unloading the Battery



- 1** To unload the battery, hold down the battery release button and push the battery to the right to take it out.



- 2** Align the battery to the triangle sign on the battery pack, insert it into the compartment until the white knob locks the battery with a click sound.

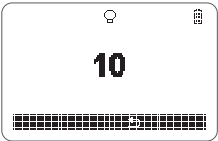
## Battery Level Indication

Make sure the battery pack is securely loaded in the flash. Check the battery level indication on the LCD panel to see the remaining battery level.

Battery Level Indication	Meaning
3 grids	Full
2 grids	Middle
1 grid	Low
Blank grid	Lower battery, please recharge it.
Blinking	The battery level is going to be used out immediately. And the flash will auto power off in 1 minute. Note: Please recharge the battery as soon as possible (within 10 days). Then, the battery can be used or stored for later use.

# LED Modeling Lamp

Press the Modeling Lamp Setting button to set the modeling lamp. Short press the Set Button to turn on or off the modeling lamp. When turning the modeling lamp on, turn the select dial to set its brightness. There are 10 levels(01~10) of brightness.



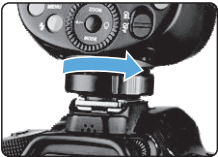
Once set, press the back arrow button to return to flash operation. Turn OFF the modeling Lamp by setting the value to "---" and pressing the SET Button.

## Attaching to a Camera



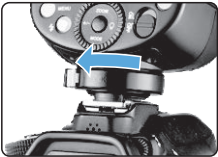
### 1 Attach the Camera Flash.

- Rotate the hotshoe lock lever to the left and insert the camera flash into the camera's hotshoe.



### 2 Secure the Camera Flash.

- Rotate the hotshoe lock lever to the right until it clicks into place.



### 3 Detach the Camera Flash.

- Press the button and rotate the hotshoe lock lever to the left until it is loosened.

## Power Management

Use ON/OFF Power Switch to power the flash unit on or off. Turn off the flash if it will not be used for an extended period of time. The Zoom Li-on X automatically goes into Sleep Mode after 90 seconds of inactivity when used as a Master or alone.

Pressing the camera shutter halfway or pressing any flash button will wake up the flash unit. As a slave flash, the unit will enter sleep mode after 60 minutes by default. The default times can be changed in the Menu Custom Functions. Pressing any flash button will wake it up.



**C.Fn** Disabling Auto Power Off function is recommended when the flash is used off camera. (C.Fn-STBY)

**C.Fn** Slave Auto Power Off Timer is set to 60 minutes by default. Another option "30 minutes" is available. (C.FnSv STBY)

## Flash Mode: TTL Autoflash

This flash has three flash modes: **TTL**, Manual (**M**), and **MULTI** (Stroboscopic). In **TTL** mode, the camera and the flash will work together 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.

- \* Press **<MODE>** Mode Selection Button and three flash modes will display on the LCD panel one by one with each pressing.

### TTL Mode

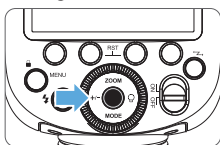
- \* Press **<MODE>** Mode Selection Button to enter TTL mode. The LCD panel will display.
- Press the camera release button halfway to focus. The aperture and effective flash range will be displayed in the viewfinder.
- When the shutter button is fully pressed, the flash will fire a preflash that the camera will use to calculate exposure and flash output the instant before the photo is taken.



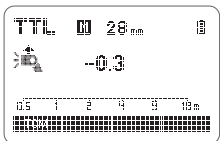
### FEC: Flash Exposure Compensation

With FEC function, this flash can adjust 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.

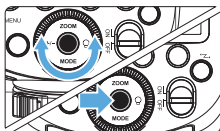
### Setting FEC:



- 1 Press Function Button 2  
Press the **<+/->** button. The icon **<FEC>** 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.

## High-Speed Sync

High Speed Sync (HSS/FP flash) enables the flash to synchronize with all camera shutter speeds. This is convenient when you want to use aperture priority for fill-flash portraits.

1. Set the flash to HSS. Press the **<SYNC>** soft button in TTL or M Mode.  is displayed on the LCD panel.
2. Press the OK or 'flash symbol' on an Olympus or the MENU button on a Panasonic camera to enter the Flash Mode submenu, and select 'Fill Flash'.
3. Set the camera shutter speed.



### NOTE for HSS Mode:

- The faster the shutter-speed, the shorter the effective flash range.
- Multi flash mode cannot be set in HSS.
- 15 consecutive HSS flashes may trigger Overheat Protection.
- Excessive HSS use will reduce the flash tube service life.
- Panasonic cameras may be out of sync in HSS with R2 wireless mode.



## Second-Curtain Sync

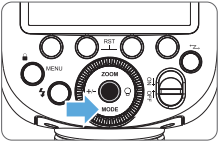
With a slow shutter speed, you can create a light train following the subject. The flash fires right before the shutter closes.

### Setting Second Curtain Sync:

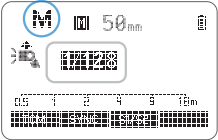
The Zoom Li-on X for Panasonic/Olympus cannot be used to set SCS. Second Curtain Sync must be set on the Olympus OK or 'flash icon' button and on a Panasonic camera with the MENU button. Within the Flash Setting submenu, find the Second Curtain mode. Set the camera shutter to capture a longer exposure.

# M: Manual Flash

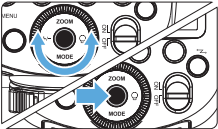
The flash output is adjustable from 1/1 full power to 1/256th power in 1/10th stop increments. To obtain a correct flash exposure, use a hand-held flash meter to determine the required flash output.



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



2 Press the < +/ - > button and turn the Select Dial to choose a desired flash output amount.



3 Press Set Button again to confirm the setting.

## Optic S1 Secondary Unit Setting

In M manual flash mode, press < **S1/S2** > button so that this flash can function as an optic S1 secondary flash with optic sensor. With this function, the flash will fire synchronously when the main flash fires, the same effect as that by the use of radio triggers. This helps create multiple lighting effects.

## Optic S2 Secondary Unit Setting

Press < **S1/S2** > button so that this flash can also function as an optic S2 secondary flash with optic sensor in M manual flash mode. This is useful when cameras have a pre-flash function. With this function, the flash will ignore a single "pre-flash" from the main flash and will only fire in response to the second, actual flash from the main unit.

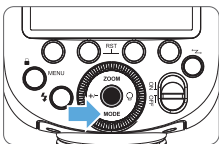


• S1 and S2 optic triggering is only available in M manual flash mode.

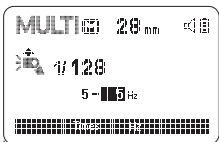
# MULTI: Stroboscopic Flash

With stroboscopic flash, a rapid series of flashes is fired. It can be used to capture a multiple images of a moving subject in a single photograph.

You can set the firing frequency (number of flashes per sec. expressed as Hz), the number of flashes, and the flash output.

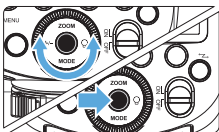


**1** Press **<MODE>** button so that **<MULTI>** is displayed.



**2** Set the flash frequency and flash times.

- Press the Function Button 2 **<Times>** to select the flash times. Turn the Select Dial to set the number.
- Press the Function Button 3 **<Hz>** to select the flash frequency. Turn the Select Dial to set the number.



**3** Press the **<+/->** button and turn the Select Dial to choose a desired flash output.

- After you 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.

### 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 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' rest for the camera flash.



- Stroboscopic flash is most effective with a 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 "bulb".
- 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	8	6	4	3	3	2	2
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
1/256	90	90	90	90	90	90	80

Flash output \ Hz	10	20-50	60-199
1/4	2	2	2
1/8	4	4	4
1/16	8	8	8
1/32	20	16	12
1/64	50	30	20
1/128	70	40	40
1/256	70	40	40

## Wireless Flash Shooting: R2 Wireless Radio Transmission

- You can set up five slave groups for TTL autoflash shooting. With TTL autoflash, you can easily create various lighting effects.
- Any flash settings for the slave units(auto flash, manual flash and stroboscopic flash) on the master flash in TTL mode will be automatically sent to the slave units. So the only thing you need to do is to set the master unit for each slave group without any operation for the slave units at all during the shooting.
- This flash can work in TTL/M/MULTI/OFF flash modes when set as a master unit.



Note:

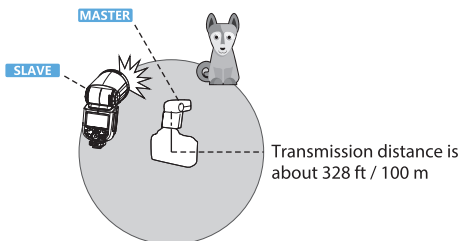
- Even with multiple slave units, the R2 series flash trigger can control all of them via wireless.
- In this user manual, “master unit” refers to the camera flash on a camera and “slave unit” will be controlled by the master unit.



## Positioning and Operation Range

(Example of wireless flash shooting)

- Autoflash Shooting with One Slave Unit

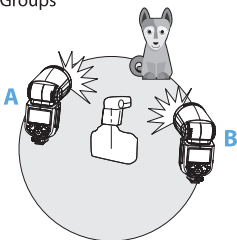


- Use the supplied mini stand to position the slave unit.
- Before shooting, perform a test flash and test shooting.
- The transmission distance might be shorter depending on the conditions such as positioning of slave units, the surrounding environment and weather conditions.

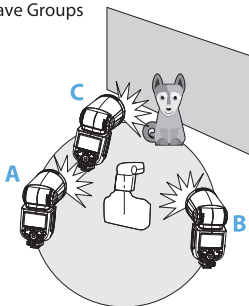
## Wireless Multiple Flash Shooting

You can divide 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 mode for each firing group, for up to 5 groups.

- Auto Shooting with Two Slave Groups



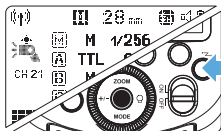
- Auto Shooting with Three Slave Groups



# 1. Wireless Settings

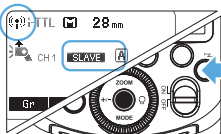
You can switch between normal flash and wireless flash. For normal flash shooting, be sure to set the wireless setting to OFF.

## Master Unit Setting



Press **<w>** button so that **<w>** is displayed on the LCD panel.

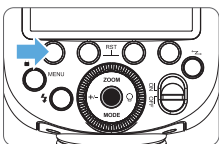
## Slave Unit Setting



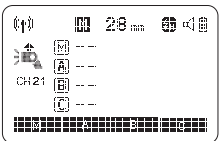
Press **<w>** button so that **<w>** or **SLAVE** are displayed on the LCD panel.

# 2. Group Mode Selection

When the master unit is set to OFF, only the slave units will fire a flash.



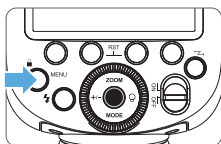
**1** Function Buttons 1/2/3/4 control the 4 Groups M/A/B/C. All 4 can be set to TTL/M/OFF. Choose one as the flash mode of the Master unit.



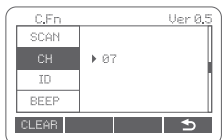
**2** Short press the **<MODE>** button to switch to the MULTI mode.

### 3. Setting the Communication Channel

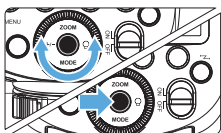
Select a unique wireless channel to avoid interference from other nearby 2.4GHz devices. The channel IDs of the master unit and the slave unit(s) must be set to the same.



**1** Press **<MENU>** Button to enter C.Fn CH setting.

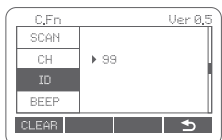


**2** In C.Fn CH, turn the Select Dial to choose channel ID from 1 to 32.



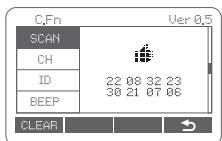
**3** Press the Set Button to confirm.

### 4. Wireless ID Settings



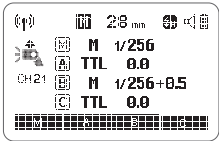
Change the wireless ID to avoid interference. The wireless IDs of the master unit and the slave unit must be set to the same value. Press the **<MENU>** button to enter C.Fn ID. Press the Set Button to highlight the OFF setting, and choose any figure from 01 to 99.

### 5. Scan for the best Channel



The strongest and clearest channel values can be found by performing a scan. Enter the C.Fn settings and find the SCAN option. The Scan will display the 8 best choices for Channel value selection.

## 6. TTL: Fully Automatic Wireless Flash Shooting Using Automatic Wireless Flash with a Single Slave Unit



### 1 Master Unit Setting

- Attach a Zoom Li-on X camera flash on the camera and set it as the master unit.
- M/A/B/C can be set as TTL mode independently.



### 2 Slave Unit Setting

- Set the Zoom Li-on X flash to be controlled as the wireless slave unit.
- The slave unit can be set as A/B/C/D/E.

### 3 Check the communication channel.

- If the master unit and slave unit(s) must be set to the same channel.


### 4 Position the camera and flashes.

- Position the camera and flashes as the picture shows.

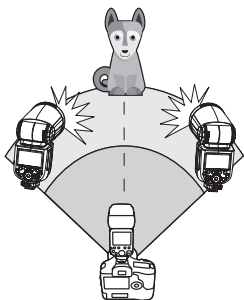
### 5 Check that the flash is ready.

- Check that the master flash ready indicator is lightened.

### 6 Check the flash operation.

- Press the master unit's Test Button  .
- Then, the slave unit will fire. If not, adjust the slave unit's angle toward the master unit and distance from the master unit.

## Using Automatic Wireless Flash with Multiple Slave Units



When stronger flash output or more convenient lighting operation is needed, increase the number of slave units and set it as a single slave unit.

To add slave units, use the same steps as setting “automatic wireless flash with a single slave unit”. Any flash group can be set (A/B/C/D/E).

When the number of slave units is increased and the master unit flash firing is ON, automatic control is implemented to make all groups of flashes fire the same flash output and ensure the total flash output up is to standard exposure.

- If the slave unit's auto power off function is workable, press the master unit's test button to power it on. Please note that test firing is unavailable during the camera's regular metering time.
- The effective time of slave auto power off is changeable. (C.Fn-Sv STBY)

## Using Fully Automatic Wireless Flash

The FEC and other settings that set on the master unit will also be appeared on the slave unit automatically. The slave unit does not need any operation. Use the following settings to make wireless flashes according to the same methods with normal flash shooting.

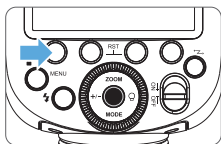
- Flash Exposure Compensation <  >

## About Master Unit

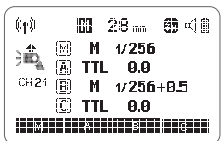
Use two or more master units. By preparing several cameras that with master units flash attached, cameras can be changed in shooting while keeping the same lighting source (slave unit).

## 7. M: Wireless Flash Shooting with Manual Flash

Wireless Manual Mode for multiple slaved flash Groups with different settings for Mode and Power. Set all parameters on the master unit.

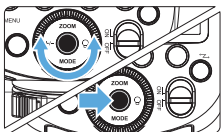


**1** Setting the flash mode to <M>.



**2** Setting flash output.  
1/2/3/4<M/A/B/C>

- Press Function Button 3 <Gr>. Turn the Select Dial to set the flash output of the groups. Press Set Button to confirm.



**3** Taking the picture.

- Each group fires at the set flash ratio.

### Setting <M> Flash Mode

You can directly operate the slave unit to manually set the manual flash or stroboscopic flash.

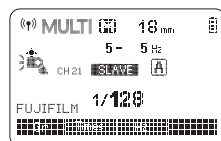


**1** Setting the slave unit.

**2** Setting flash mode to <M>.

- Press <MODE> button so that <M> is displayed.
- Set the manual flash output.

## 8. MULTI: Wireless Flash Shooting with Manual Flash



**Setting <MULTI> stroboscopic flash.**

- Press <MODE> button so that <MULTI> is displayed.
- Set the stroboscopic flash.

## Other Applications

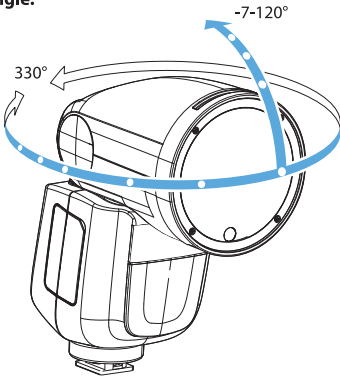
### Sync Triggering

The Sync Cord Jack is a  $\Phi 2.5\text{mm}$  plug. Insert a trigger plug here and the flash will be fired synchronously with the camera shutter.

### 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.

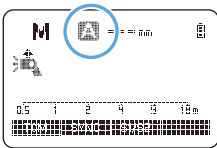
**To set the bounce direction, hold the flash head and turn it to a effective angle.**



- 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.

### ZOOM: Setting the Flash Coverage

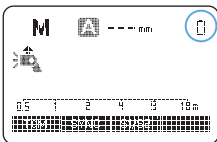
The flash coverage can be set automatically or manually. It can be set to match the lens focal length from 28mm to 105mm.



**In Manual Zoom mode, press the <ZOOM> button.**

- Turn the Select Dial to change the flash coverage.
- If <A> is displayed, the flash coverage will be set automatically.

- If you set the flash coverage manually, make sure it covers the lens focal length so that the picture will not have a dark periphery.



### Low Battery Warning

If the battery power is low, <BATT> will appear and blink on the LCD panel. Please replace the battery immediately.

## C.Fn: Setting Custom Functions

The following table lists the available and unavailable custom functions of this flash.


C.Fn Custom Functions			
Custom Function Signs	Function	Setting No	Settings & Description
m/ft	Distance indicator	m	m
		ft	feet
AF	AF-assist beam	ON	ON
		OFF	OFF
STBY	Auto sleep setting	ON	ON
		OFF	OFF
Sv STBY	Slave auto power off timer	60min	60min
		30min	30min
SCAN	Scan for the strongest	OFF	OFF
		START	Start to find the strongest channel
CH	Channel setting	01-32	Choose channels from 01-32
ID	Wireless ID	OFF	OFF
		01-99	Choose any figure from 01-99
BEEP	Audio tone	ON	ON
		OFF	OFF
LIGHT	Backlight time	12sec	Off in 12 sec.
		OFF	Always off
		ON	Always lighting
LCD	LCD contrast ratio	-3~+3	7 levels
ZOOM	Zoom display	APS	APS System
		135	135 System

1. Press **<MENU>** Button until C.Fn menu is displayed. The "Ver x.x" in the top-right corner refers to the software version.
2. Select the Custom Function No.
  - Turn the Select Dial to select the Custom Function No.
3. Change the Setting.
  - Press Set Button and the Setting No. blinks.
  - Turn the Select Dial to set the desired number. Pressing Set Button will confirm the settings.
  - After you set the Custom Function and press **<MENU>** button, the camera will be ready to shoot.
4. In the C.Fn states, long press the "Clear" button for 2 seconds until "OK" is displayed on the panel, which means the values in C.Fn can be reset.



# Protection Function

## 1. Over-Temperature Protection

- To avoid overheating and deteriorating the flash head, do not fire more than 30 continuous flashes in fast succession at 1/1 full power. After 30 continuous flashes, allow a rest time of at least 10 minutes.
- If you fire more than 30 continuous flashes and then fire more flashes in short intervals, the inner over-temperature protection function may be activated and make the recycling time over 10 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	30
1/2 +0.7	40
1/2 +0.3	50
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 )	
1/256 ( +0.3,+0.7 )	

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

Power Output	Times
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)	
1/256(+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
E1	Issue detected with 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 is too hot. Please allow a rest time of 10 minutes.
E3	The voltage of the flash tube is too high. Please send this product to a maintenance center.
E9	Some errors occurred during the upgrading process. Please using the correct firmware upgrade method.

# Technical Data

Model	Flashpoint Zoom Li-on X for Panasonic and Olympus
Compatible Cameras	Panasonic and Olympus cameras (TTL autoflash)
Power (1/1 output)	76Ws
Flash Coverage	<div>28 to 105mm</div> <div>• Auto zoom (Flash coverage set automatically to match the lens focal length and image size)</div> <div>• Manual zoom</div> <div>• Swinging/tilting flash head (bounce flash): 0 to 330° horizontally and -7° to 120° vertically</div>
Flash Duration	1/300 to 1/20000 seconds
• Exposure Control	
Exposure control system	TTL autoflash and manual flash
Flash exposure compensation (FEC)	Manual. FEB: ±3 stops in 1/3 stop increments (Manual FEC and FEB can be combined.)
Sync mode	High-speed sync (up to 1/8000 seconds), first-curtain sync, and second-curtain sync
Multi flash	Provided (up to 90 times, 100Hz)
• Wireless Flash	
Wireless flash function	Master, Slave, Off
Master groups	M, A, B, C
Controllable slave groups	A, B, C, D, E (Group D/E can be controlled by R2 series flash trigger)
Transmission range (approx.)	328ft / 100m
Channels	32 (1~32)
ID	01~99
Modeling flash	Fired with camera's depth-of-field preview button
• LED Modeling Lamp	
Power	2W
Color Temperature	3300K±200K
• Power Supply	
Power source	7.2V/2600mAh Li-ion battery
Recycle time	Approx 1.5 seconds. Green LED indicator will light up when the flash is ready.
Full power flashes	Approx. 480
Power saving	Power off automatically after approx. 90 seconds of idle operation. (60 minutes if set as slave)
• Sync Triggering Mode	Hotshoe, 2.5mm sync line
• Color Temperature	5600±200k
• Dimensions	
W × H × D	3.0 × 3.6 × 7.75" / 76 × 93 × 197mm
Weight without battery	14.8oz / 420g
Weight with battery	18.8oz / 534g
2.4G Wireless Frequency Range	2413.0MHz-2464.5MHz
Max. Transmitting Power of 2.4GHz Wireless	5dbm

## Troubleshooting

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

### **The Camera Flash does not fire.**

- The camera flash is not attached securely to the camera.  
→ Attach the camera's mounting foot securely to the camera.
- The electrical contacts of the Camera Flash and camera are dirty.  
→ Clean the contacts.

### **The power turns off by itself.**

- After 90 seconds of no operation, auto power off took effect on a flash set as the Master.  
→ Press the shutter button halfway or press any flash button to wake up.
- After 60 minutes (or 30 minutes) of idle operation, the flash unit will enter sleep mode if it is set as slave.  
→ Press any flash button to wake up.

### **Auto zoom does not work.**

- The camera flash is not attached securely to the camera.  
→ Attach the camera flash's mounting foot to the camera.

### **The flash exposure is underexposed or overexposed.**

- 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.

### **Photos have dark corners or only parts of the target subject are illuminated.**

- The focal length of lens exceeds the flash coverage.  
→ Check the flash coverage you set. This flash unit has the flash coverage between 28 and 105mm.

## Firmware Upgrade

- The USB port is a Type-C USB socket. Type-C USB connection line is applicable.
- Please download and install the "Flashpoint G3 firmware upgrade software" before upgrading. Then, choose the related firmware file from our upgrade website.


## Compatible Camera Models

This flash unit can be used on the following

**Panasonic and Olympus camera models:**

**Olympus:** E-M10II, E-M5II, E-M1, E-PL8, E-PL7, E-PL6, E-PL5, E-P5, E-P3, PEN-F

**Panasonic:** DMC-GX85, DMC-G7, DMC-GF1, DMC-LX100, DMC-G85, DMC-GH5, DMC-GH4, DMC-FZ2500GK

-  This table only lists the tested camera models, not all Panasonic and Olympus cameras. For the compatibility of other camera models, a self-test is recommended.  
Rights to modify this table are retained.

## Maintenance

- Shut down the device immediately should abnormal operation be detected.
- Avoid sudden impacts and the product should be dedusted 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 two year warranty.
- Unauthorized service will void the warranty.
- Flashes that have errors or have been subjected to water should not be used until serviced by professionals.
- Changes made to the specifications or designs may not be reflected in this manual.

## FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- ▶ Reorient or relocate the receiving antenna.
- ▶ Increase the separation between the equipment and receiver.
- ▶ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- ▶ Consult the dealer or an experienced radio/TV technician for help.

### **\*RF warning:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 8 inches / 20 cm between the radiator & your body.

## Two Year Flashpoint Limited Warranty

Flashpoint warrants to the original purchaser that your Flashpoint Zoom Li-on X be free from defects in material and workmanship for the period of two (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.

### 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](mailto: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 website contains a wide range of Support and FAQ pages with valuable technical assistance.**

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